

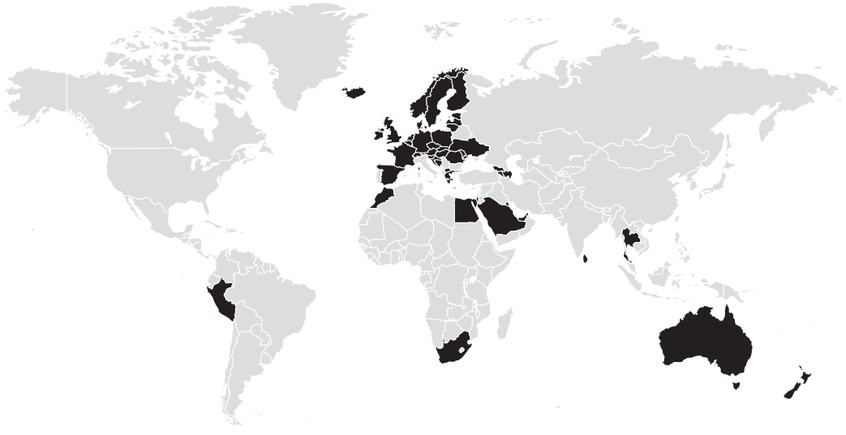
Exterior

VIZULO

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About



VIZULO is a technology driven lighting producer with a focus on smart city concept development. Research and development of high-quality products are the priority of the company and the VIZULO engineering team has been formed as a result of great cooperation with Riga Technical University – a number of researchers holding a doctoral degree are employed in the company. Since its establishment in 2012, the company has grown rapidly – there are 140 people working today in VIZULO group and our lighting products are exported to 45 countries all over the world.

Armenia, Australia, Austria, Azerbaijan, Belgium Croatia, Bosnia and Herzegovina, Czech Republic, Cyprus, Denmark, Egypt, Estonia, Finland, France, Georgia, Germany, Great Britain, Greece, Hungary, Iceland, Ireland, Israel, Italy, Lithuania, Moldova, Morocco, New Zealand, North Macedonia, Norway, Malta, Peru, Poland, Portugal, Saudi Arabia, Serbia, Slovakia, Slovenia, South Africa, Spain, Sri Lanka, Sweden, Switzerland, Thailand, The Netherlands, Ukraine, United Arab Emirates.

Note: This product catalogue gives information on standard product range offered by VIZULO in the market. In the other tender documents VIZULO, according to its usual practice, offers modified products, which are designed and will be manufactured to correspond to the specific tender requirements. Accordingly, for the evaluation of the technical characteristics of the products offered in the Lots A and E, the contracting authority shall use the specific technical specifications submitted in the tender rather than this product catalogue.

This product catalogue reflects only some possible standard product modifications and therefore is rather informative. If the Contracting authority will require any additional products from the standard product catalogue, VIZULO is ready to agree on additional modifications to the standard products in order to satisfy the Contracting authorities needs.

Certificates

Coming soon

Awards

LIAA 2015 & 2016

The Investment and Development Agency of Latvia (LIAA) and the Ministry of Economics organise the annual Export and Innovation Award, celebrating the leading exporters and most innovative companies in Latvia.
Innovative product 2015 – 2nd place.
Industrial design 2016 – 3rd place.

Swedish business awards

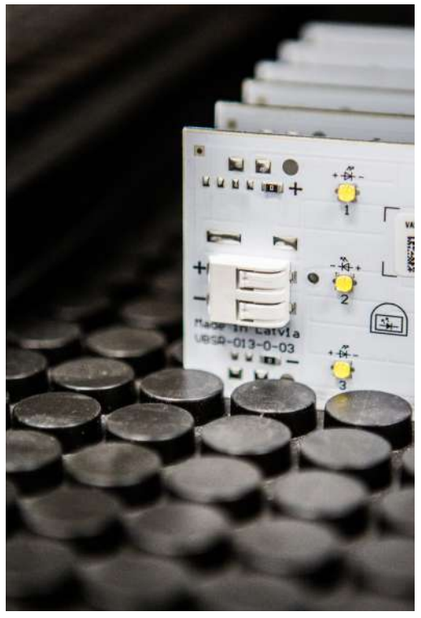
Nomination - New entrepreneur.
The project aims to provide positive examples for international establishments and business development by highlighting the success of cooperation, emphasising innovativeness, outstanding business achievements and the importance of contributions to society.

"The Red Jackets 2017"

Export Excellence Award Winner.
The Red Jackets goal is to create the strongest export brand and identify what the Latvian export image currently is.

Electronical production line

VIZULO employs hi-tech automated electronic production lines – high speed surface mount technology line and selective soldering line. This gives a great flexibility in specific LED module development and custom made production just as possibility to produce any other electronics devices – like surge protection devices and different smart sensors.





Metal work division

Variety of metal working equipment have been installed in 2016 – large size CNC mill, sheet metal punching machine, sheet metal folding machine and other machines for indoor and outdoor luminaire production.





High speed powder coating line



High speed 400 m^2 large luminaire powder coating conveyor system is employed to achieve excellent quality of coating process.



Luminaire assembly line

When metal working and powder coating process is finished, mechanical parts arrive to luminaire assembly line – where LED modules from electronic production line are assembled with other parts. Thus majority of luminaire production process is held in-house.





Quality and testing

Photometric tests – light distribution, colorimetric testing and photo biological safety testing.
Quality tests of different type coatings including powder coatings – neutral salt spray testing (NSST), Machu tests, coating layer thickness measurements.
IP class testing, IK class testing, temperature testing, vibration and shock testing, EMC testing is organised in cooperation with well-known and reputable certification bodies in Europe.







Dimming

DALI

Digital Addressable Lighting Interface – digital signal interface specially developed for lighting applications. DALI network consists of a controller and one or more lighting devices (e.g., electrical ballasts, LED drivers and dimmers) that have DALI interfaces. The controller can monitor and control each light by means of a bidirectional data exchange. DALI requires a single pair of wires to form the bus for communication to all devices on a single DALI network.

0 - 10 V

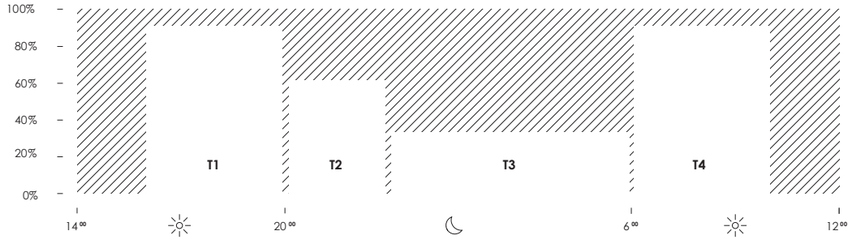
Analog signal interface with no feedback from driver. The maximum level is still 100%, but the minimum level for DC0-10V is 5.7% in case the dimming signal is given at 0.57V. In case the dimmer is giving lower than 0.57V, the LED driver will cut off the output current resulting in no light output in the LED module.

1 - 10 V

Analog signal interface with no feedback from driver. For this dimming interface 100% is the maximum of driver and 10% is the minimum level. The output status is not guaranteed when the dimming signal is less than 1V. The output of LED driver could be completely switched off or there is still some light coming out of LED module. If application requirement is to completely turn off the driver, then additional switch at AC mains of driver is required.

Midnight dimming

Midnight dimming provides multi-stage night-time power reduction based on an internal timer referenced to the power on/off time. There is no need for an external control infrastructure. The unit automatically performs a dimming profile based on the predefined scheduled reference to the midpoint, which is calculated based on the power on / off times.



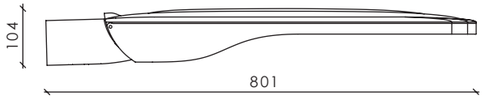
Stork

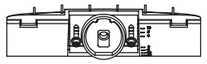


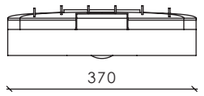


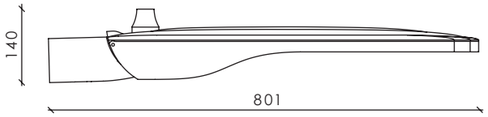
RAL9006 DB703 RAL9005

Other colors
available on request





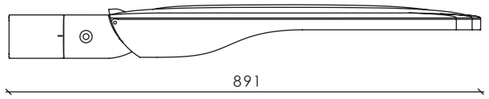




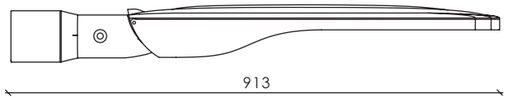
Dimensions with RF antenna



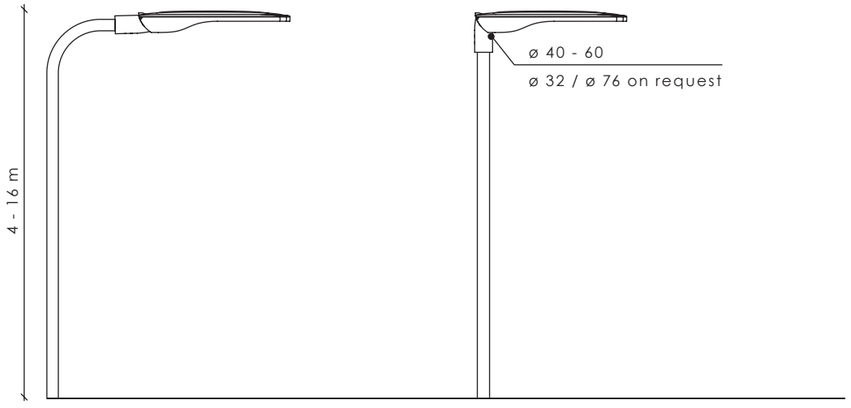
Dimensions with 2 Zhaga connectors

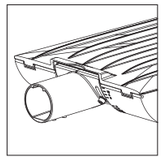


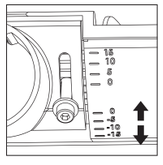
Dimensions with adjustable console ±90°, 60 mm



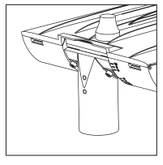
Dimensions with adjustable console ±90°, 76 mm

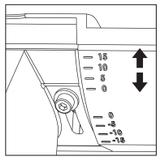






Horizontal entry ≤ -15 ... 0





Vertical entry ≤ 0 ... 15

Technical information

V	220 - 240
Hz	50 - 60
W	5 - 280
lm	555 - 41000 [1]
lm/W	110 - 161
K	2700 / 3000 / 4000 [2]
°C	-40 to +50 (up to 240 W)
	-40 to +35 (240 - 280 W)
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L80B10C10) [4]
100 000 h (L95B10C10) [5]

Surge protection:	3; 6; 10 kV (optional) [6]
Spigot:	ø 40 - 60, with accessories ø 32; ø 76
Intelligent light control system:	Radio frequency / Power line [7]
Socket:	Zhaga / NEMA
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,047

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Tunable white option available (2700 - 6500 K);
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] Standard / High Density at Ta = 25 °C, this value is only informative and may change according to selected article

[6] 10 kV (L-N; L/N-PE) surge protection device available on request

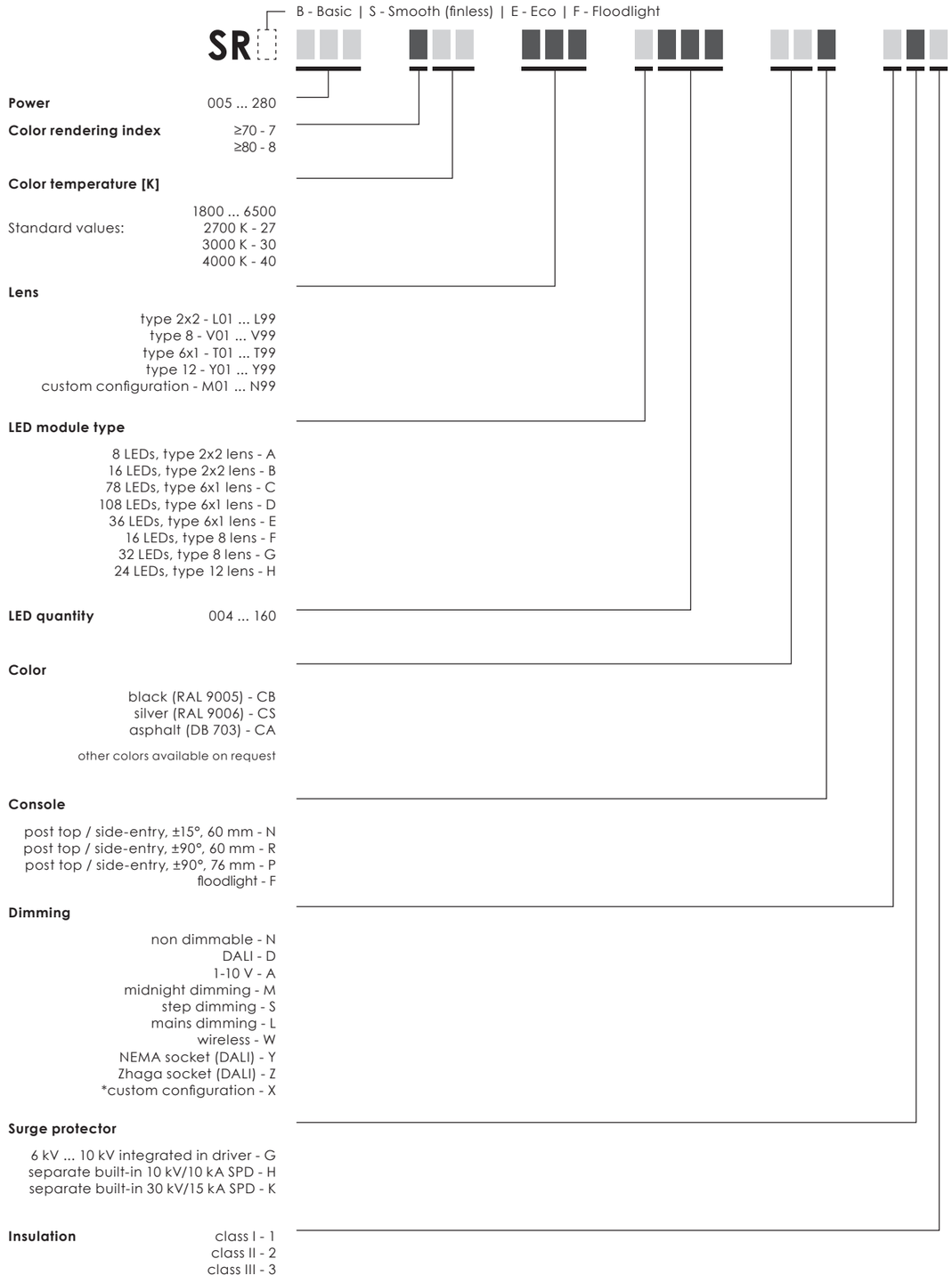
[7] Optional. Available only with DALI ; 1 - 10 V

[8] Coming soon

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles



EXAMPLE SRB 250 730 V01 G128 CSN DG1

*** CUSTOM CONFIGURATION EXAMPLE**

NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		16			32			48	
Nominal current, mA	280	500	760	280	500	750	270	500	690
Power, W	15	26	39	28	50	75	40	75	102
Luminous Flux, lm	2180	3600	5300	4500	7550	10650	6360	11000	14800
Efficacy, lm/W	145	138	136	161	151	142	159	147	145
Power factor, PF	0,83	0,94	0,98	0,81	0,93	0,97	0,89	0,93	0,96

Number of LED's		64			80	
Nominal current, mA	250	500	700	250	500	780
Power, W	50	98	137	60	120	190
Luminous Flux, lm	8000	15000	19800	9650	18200	26600
Efficacy, lm/W	160	153	145	161	152	140
Power factor, PF	0,84	0,96	0,98	0,86	0,96	0,98

Luminaire efficacy				
	2700 K	15 - 190 W	1850 - 23000 lm	117 - 140 lm/W
	3000 K	15 - 190 W	2000 - 25000 lm	128 - 152 lm/W
	5000 K	15 - 190 W	2180 - 26600 lm	136 - 161 lm/W
	5700 K	15 - 190 W	2180 - 26600 lm	136 - 161 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		32			48			64			80	
Nominal current, mA	280	500	750	270	500	690	250	500	700	250	500	780
Power, W	28	50	75	40	75	102	50	98	137	60	120	190
Luminous Flux, lm	4300	7400	10110	6300	11200	14500	7600	14000	18850	9600	18200	26600
Efficacy, lm/W	154	148	135	158	149	142	152	143	138	160	152	140
Power factor, PF	0,81	0,93	0,97	0,89	0,92	0,96	0,84	0,96	0,98	0,86	0,96	0,98

Number of LED's		96			128			160	
Nominal current, mA	260	500	710	260	500	720	260	500	610
Power, W	75	145	205	102	195	280	120	200	280
Luminous Flux, lm	11600	21000	28000	16000	29000	39300	19000	30500	41000
Efficacy, lm/W	155	145	137	157	149	140	158	153	146
Power factor, PF	0,90	0,97	0,98	0,85	0,96	0,98	0,86	0,96	0,98

Luminaire efficacy				
	2700 K	28 - 280 W	3600 - 35000 lm	116 - 138 lm/W
	3000 K	28 - 280 W	3900 - 39000 lm	129 - 152 lm/W
	5000 K	28 - 280 W	4300 - 41000 lm	137 - 161 lm/W
	5700 K	28 - 280 W	4300 - 41000 lm	137 - 161 lm/W

ECO

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		8			16			24			32	
Nominal current, mA	220	470	700	280	490	700	270	500	700	250	500	700
Power, W	12	25	38	28	50	74	40	75	110	50	100	144
Luminous Flux, lm	1670	3300	4600	4100	6700	9100	6000	9700	13500	7500	13300	17500
Efficacy, lm/W	139	132	121	146	134	123	150	129	123	150	133	122
Power factor, PF	0,78	0,93	0,98	0,81	0,93	0,97	0,89	0,97	0,97	0,84	0,96	0,98

Number of LED's		48			64			80	
Nominal current, mA	270	500	700	270	500	680	270	500	560
Power, W	78	150	211	107	200	280	130	250	280
Luminous Flux, lm	12000	20000	25500	15700	25300	32100	19400	32700	35600
Efficacy, lm/W	154	133	121	147	127	115	149	131	127
Power factor, PF	0,97	0,97	0,99	0,95	0,96	0,98	0,88	0,97	0,97

Luminaire efficacy				
	2700 K	12 - 280 W	1560 - 33300 lm	108 - 142 lm/W
	3000 K	12 - 280 W	1620 - 34600 lm	112 - 148 lm/W
	5000 K	12 - 280 W	1670 - 35600 lm	115 - 154 lm/W
	5700 K	12 - 280 W	1670 - 35600 lm	115 - 154 lm/W



Carnikava | Latvia



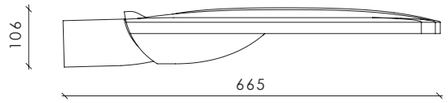
Budapest | Hungary

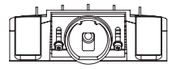
Stork little brother

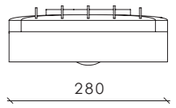


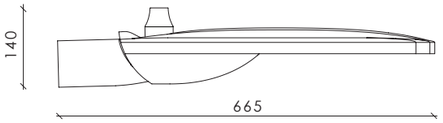


RAL9006 DB703 RAL9005 Other colors available on request

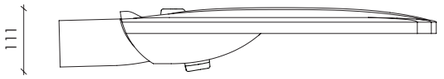




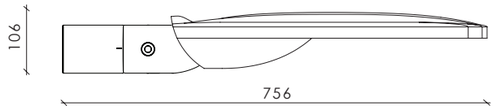




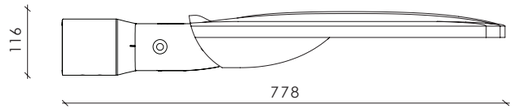
Dimensions with RF antenna



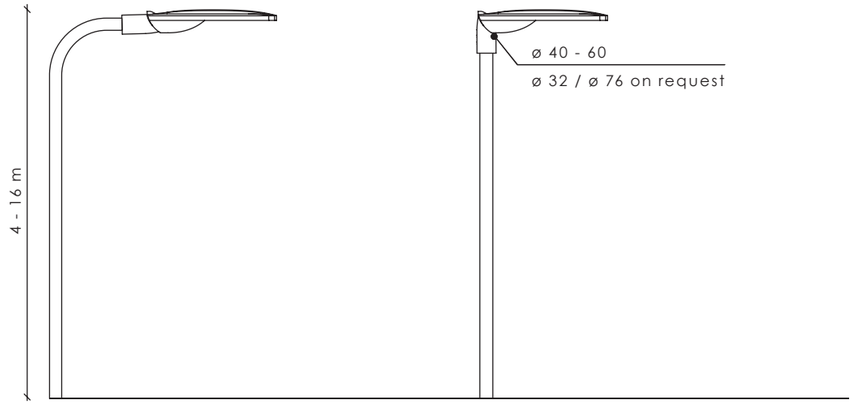
Dimensions with 2 Zhaga connectors

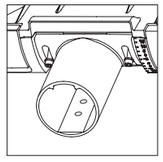


Dimensions with adjustable console ±90°, 60 mm

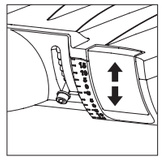


Dimensions with adjustable console ±90°, 76 mm

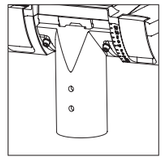




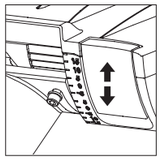
Horizontal entry



≤ -20 ... 5



Vertical entry



≤ -5 ... 20

Technical information

V	200 - 240
Hz	50 - 60
W	5 - 178
lm	487 - 26000 [1]
lm/W	98 - 161
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L80B10C10) [4]
100 000 h (L95B10C10) [5]

Surge protection:	3; 6; 10 kV (optional) [6]
Spigot:	ø 40 - 60, with accessories ø 32; ø 76
Intelligent light control system:	Radio frequency / Power line [7]
Socket:	Zhaga / NEMA
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,04

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Tunable white option available (2700 - 6500 K);
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] Standard / High Density at Ta = 25 °C, this value is only informative and may change according to selected article

[6] 10 kV (L-N; L/N-PE) surge protection device available on request

[7] Optional. Available only with DALI ; 1 - 10 V

[8] Check SundaHus web page for product assessment results

[9] Coming soon

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles

B - Basic | F - Flood (flood light) | S - Smooth (finless) | E - Eco

SRL [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Power 005 ... 178

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values:
2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 6x1 - T01 ... T99
type 12 - Y01 ... Y99
type 1 - Z01 ... Z99
custom configuration - M01 ... N99

LED module type
8 LEDs, type 2x2 lens - A
16 LEDs, type 2x2 lens - B
36 LEDs, type 6x1 lens - E
16 LEDs, type 8 lens - F
32 LEDs, type 8 lens - G
24 LEDs, type 12 lens - H
4 LEDs, type 1 lens - P

LED quantity 004 ... 128

Color
black (RAL 9005) - CB
silver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Console
post top / side-entry, ±15°, 60 mm - N
post top / side-entry, ±90°, 60 mm - R
post top / side-entry, ±90°, 76 mm - P
flood light - F

Dimming
non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
step dimming - S
mains dimming - L
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z
*custom configuration - X

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation
class I - 1
class II - 2
class III - 3

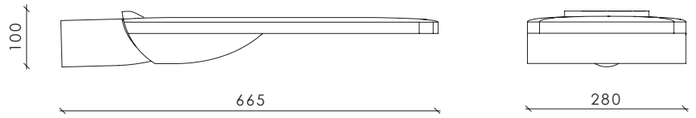
EXAMPLE SRLB 005 730 L01 A004 CSN NG1

*** CUSTOM CONFIGURATION EXAMPLE**

NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Stork little brother smooth





RAL9006

DB703

RAL9005

Other colors
available on request

Technical information

V	200 - 240	1 - 10 V; DALI; Midnight dimming	
Hz	50 - 60	Chromaticity tolerance (initial MacAdam): 5	
W	5 - 178	Warranty 5 years	
lm	487 - 26000 [1]	100 000 h (L80B10C10) [4]	
lm/W	98 - 161	100 000 h (L95B10C10) [5]	
K	2700 / 3000 / 4000 [2]		
°C	-40 to +35	*Surge protection:*	3; 6; 10 kV (optional) [6]
CRI	>70 / >80 [3]	*Spigot:*	ø 40 - 60, with accessories ø 32; ø 76
		Intelligent light control system:	Radio frequency / Power line [7]
		Socket:	Zhaga / NEMA
		Body:	Die-cast aluminium
		Max. wind load area, SCd, m²:	0,04

[1] Lumen output indicated at CRI > 70
[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Tunable white option available (2700 - 6500 K);
Amber option available
[3] Luminaries with color rendering index (CRI): Ra > 90 on request
[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*
[5] Standard / High Density at Ta = 25 °C, this value is only informative and may change according to selected article
[6] 10 kV (L-N; L/N-PE) surge protection device available on request
[7] Optional. Available only with DALI ; 1 - 10 V
[8] Check SundaHus web page for product assessment results
[9] Coming soon

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		8			16			32	
Nominal current, mA	140	500	700	280	500	760	280	500	750
Power, W	5	14	19	15	26	39	28	50	75
Luminous Flux, lm	570	1900	2540	2180	3600	5300	4500	7550	10650
Efficacy, lm/W	114	136	134	145	138	136	161	151	142
Power factor, PF	0,69	0,89	0,94	0,83	0,94	0,98	0,81	0,93	0,97

Number of LED's		48			64	
Nominal current, mA	270	500	690	250	500	700
Power, W	40	75	102	50	98	137
Luminous Flux, lm	6360	11000	14800	8000	15000	19800
Efficacy, lm/W	159	147	145	160	153	145
Power factor, PF	0,89	0,93	0,96	0,84	0,96	0,98

Luminaire efficacy				
	2700 K	5 - 137 W	487 - 17000 lm	98 - 140 lm/W
	3000 K	5 - 137 W	540 - 18500 lm	108 - 152 lm/W
	5000 K	5 - 137 W	570 - 19800 lm	114 - 161 lm/W
	5700 K	5 - 137 W	570 - 19800 lm	114 - 161 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		24			32			48			64	
Nominal current, mA	270	500	780	280	500	750	270	500	690	250	500	700
Power, W	21	38	59	28	50	75	40	75	102	50	98	137
Luminous Flux, lm	3100	5500	8000	4300	7400	10110	6300	11200	14500	7600	14000	18850
Efficacy, lm/W	148	145	136	154	148	135	158	149	142	152	143	138
Power factor, PF	0,87	0,95	0,98	0,81	0,93	0,97	0,89	0,92	0,96	0,84	0,96	0,98

Number of LED's		80			96			128	
Nominal current, mA	270	500	710	270	500	740	270	370	480
Power, W	64	120	170	76	120	178	102	140	178
Luminous Flux, lm	10000	17800	24000	12000	17700	25000	16000	21000	26000
Efficacy, lm/W	156	148	141	158	148	140	157	150	146
Power factor, PF	0,87	0,96	0,98	0,90	0,96	0,98	0,85	0,97	0,98

Luminaire efficacy				
	2700 K	21 - 178 W	2700 - 10000 lm	119 - 138 lm/W
	3000 K	21 - 178 W	2970 - 11000 lm	129 - 152 lm/W
	5000 K	21 - 178 W	3100 - 26000 lm	136 - 158 lm/W
	5700 K	21 - 178 W	3100 - 26000 lm	136 - 158 lm/W

ECO

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		8			16			24			32	
Nominal current, mA	280	490	700	280	490	700	270	500	700	250	500	700
Power, W	15	26	38	28	50	74	40	75	110	50	100	144
Luminous Flux, lm	2100	3400	4730	4100	6700	9100	6000	9700	13500	7500	13300	17500
Efficacy, lm/W	140	131	124	146	134	123	150	129	123	150	133	122
Power factor, PF	0,83	0,94	0,98	0,81	0,93	0,97	0,89	0,97	0,97	0,84	0,96	0,98

Number of LED's		36			48			64	
Nominal current, mA	270	500	700	270	500	680	270	390	460
Power, W	60	110	160	78	150	178	107	150	178
Luminous Flux, lm	9500	15500	20000	11000	19500	22000	16500	21600	25000
Efficacy, lm/W	158	141	125	141	130	124	154	144	140
Power factor, PF	0,95	0,95	0,98	0,93	0,97	0,99	0,97	0,97	0,98

Luminaire efficacy				
	2700 K	15 - 178 W	1960 - 23100 lm	115 - 148 lm/W
	3000 K	15 - 178 W	2040 - 24600 lm	121 - 154 lm/W
	5000 K	15 - 178 W	2100 - 25000 lm	122 - 158 lm/W
	5700 K	15 - 178 W	2100 - 25000 lm	122 - 158 lm/W



Gothenburg | Sweden



Hafnarfjordur | Iceland

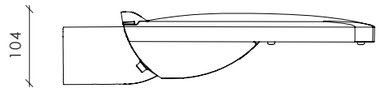
Stork little sister

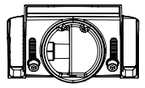


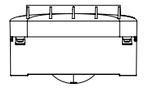


RAL9006 DB703 RAL9005

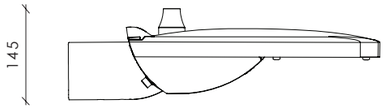
Other colors
available on request



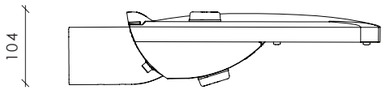




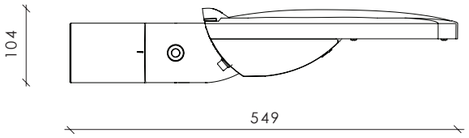




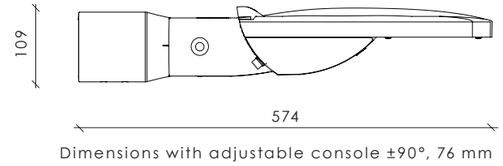
Dimensions with RF antenna



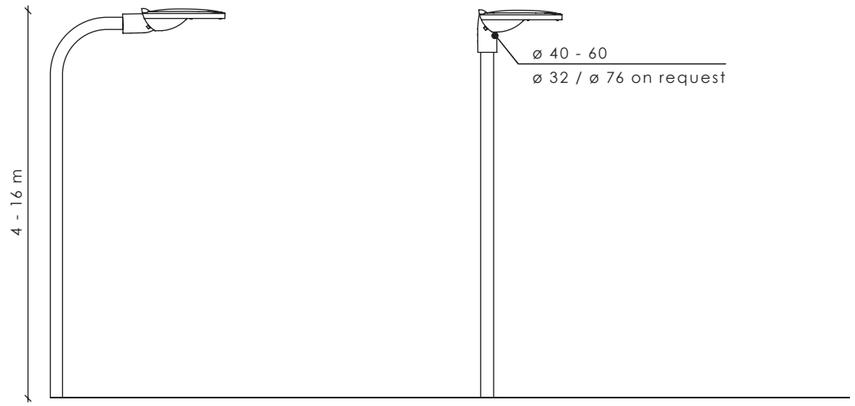
Dimensions with 2 Zhaga connectors

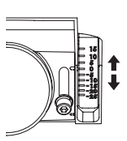


Dimensions with adjustable console ±90°, 60 mm

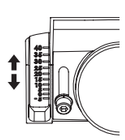


Dimensions with adjustable console ±90°, 76 mm





≤ -25 ... 15
Side entry



≤ -5 ... 40
Vertical entry

Technical information

V	198 - 264
Hz	50 - 60
W	5 - 80
lm	430 - 10500 [1]
lm/W	86 - 150
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L90B10C10) [4]
100 000 h (L95B10C10) [5]

Surge protection:	6; 10 kV (optional) [6]
Spigot:	ø 40 - 60, with accessories ø 32; ø 76
Intelligent light control system:	Radio frequency / Power line [7]
Socket:	Zhaga / NEMA (configurations with Zhaga socket up to 65 W)
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,033

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request

Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] Standard / High Density at Ta = 25 °C, this value is only informative and may change according to selected article

[6] 10 kV (L-N; L/N-PE) surge protection device available on request

[7] Optional. Available only with DALI ; 1 - 10 V

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles

F - Flood (flood light) | S - Smooth (finless) | E - Eco

SRU [ ]

Power 005 ... 080

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values: 2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 1 - Z01 ... Z99
custom configuration - M01 ... N99

LED module type
8 LEDs, type 2x2 lens - AA
16 LEDs, type 8 lens - AF
32 LEDs, type 16 lens - AQ
32 LEDs, type 2x2 lens - AS
2 LEDs, type 1 lens - AP

LED quantity 004 ... 032

Color
black (RAL 9005) - CB
silver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Console
*side-entry / post top, 60 mm - N
side-entry / post top, ±90°, 60 mm - R
side-entry / post top, ±90°, 76 mm - P
flood light - F

Dimming
non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
midnight dimming (DALI) - R
step dimming - S
mains dimming - L
power line communication - P
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z
**custom configuration - X

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation
class I - 1
class II - 2

EXAMPLE SRU 080 730 L01 AA016 CSN NG1

**Console regulation range - side entry: +15° ... -25° | post top: +40° ... -5°*

** CUSTOM CONFIGURATION EXAMPLE:
NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's	4			8			16		
Nominal current, mA	270	500	730	140	500	700	280	490	770
Power, W	5	8	11	5	15	19	15	25	39
Luminous Flux, lm	500	890	1250	560	1900	2500	2150	3500	5300
Efficacy, lm/W	100	111	114	112	127	132	143	140	136
Power factor, PF	0,83	0,89	0,93	0,70	0,89	0,94	0,90	0,97	0,98

Luminaire efficacy	2700 K	5 - 39 W	430 - 4400 lm	86 - 119 lm/W
	3000 K	5 - 39 W	470 - 4800 lm	94 - 130 lm/W
	5000 K	5 - 39 W	500 - 5300 lm	100 - 143 lm/W
	5700 K	5 - 39 W	500 - 5300 lm	100 - 143 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's	16			32		
Nominal current, mA	280	490	770	270	500	810
Power, W	15	25	39	27	50	80
Luminous Flux, lm	2150	3500	5300	4000	7100	10500
Efficacy, lm/W	143	140	136	148	142	131
Power factor, PF	0,90	0,97	0,98	0,94	0,93	0,97

Luminaire efficacy	2700 K	15 - 80 W	1820 - 8900 lm	113 - 127 lm/W
	3000 K	15 - 80 W	2000 - 9900 lm	126 - 141 lm/W
	5000 K	15 - 80 W	2150 - 10500 lm	131 - 148 lm/W
	5700 K	15 - 80 W	2150 - 10500 lm	131 - 148 lm/W

ECO

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's	4			8			12			16		
Nominal current, mA	140	490	670	280	500	710	280	500	710	280	500	710
Power, W	5	14	19	15	26	38	22	39	56	28	50	74
Luminous Flux, lm	550	1600	2200	2200	3700	5100	3100	5100	6600	4200	7100	9600
Efficacy, lm/W	110	114	116	147	142	134	141	131	118	150	142	130
Power factor, PF	0,69	0,89	0,94	0,90	0,97	0,98	0,91	0,95	0,98	0,95	0,97	0,98

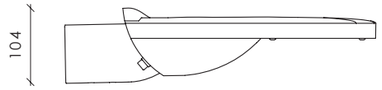
Luminaire efficacy	2700 K	5 - 74 W	500 - 9000 lm	100 - 143 lm/W
	3000 K	5 - 74 W	540 - 9300 lm	108 - 146 lm/W
	5000 K	5 - 74 W	550 - 9600 lm	110 - 150 lm/W
	5700 K	5 - 74 W	550 - 9600 lm	110 - 150 lm/W

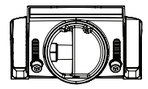
Stork little sister smooth

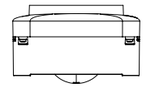




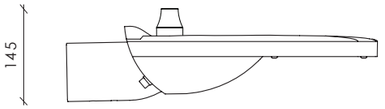




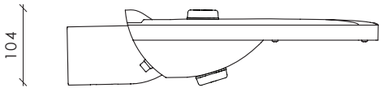




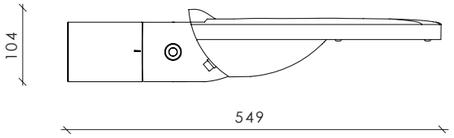




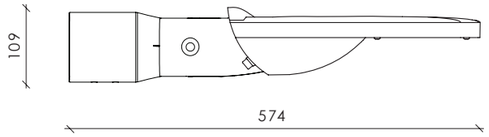
Dimensions with RF antenna



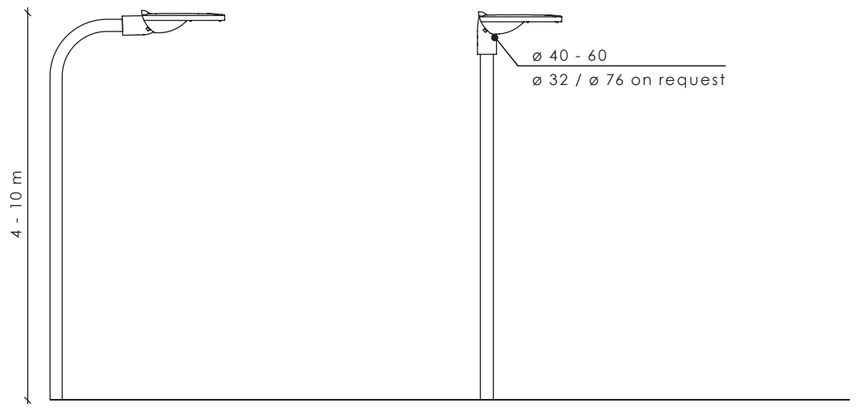
Dimensions with 2 Zhaga connectors

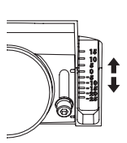


Dimensions with adjustable console ±90°, 60 mm

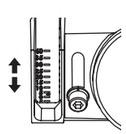


Dimensions with adjustable console ±90°, 76 mm





≤ -25 ... 15
Side entry



≤ -5 ... 40
Vertical entry

Technical information

V	198 - 264
Hz	50 - 60
W	5 - 50
lm	430 - 7100 [1]
lm/W	86 - 148
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L90B10C10) [4]
100 000 h (L95B10C10) [5]

Surge protection:	6; 10 kV (optional) [6]
Spigot:	ø 40 - 60, with accessories ø 32; ø 76
Intelligent light control system:	Radio frequency / Power line [7]
Socket:	Zhaga / NEMA (configurations with Zhaga socket up to 65 W)
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,033

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request

Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] Standard / High Density at Ta = 25 °C, this value is only informative and may change according to selected article

[6] 10 kV (L-N; L/N-PE) surge protection device available on request

[7] Optional. Available only with DALI ; 1 - 10 V

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles

F - Flood (flood light) | S - Smooth (finless) | E - Eco

SRU [ ] [ ][ ][ ] [ ][ ][ ] [ ][ ][ ] [ ][ ][ ][ ] [ ][ ][ ] [ ][ ][ ] [ ][ ][ ]

Power 005 ... 080

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values: 2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 1 - Z01 ... Z99
custom configuration - M01 ... N99

LED module type
8 LEDs, type 2x2 lens - AA
16 LEDs, type 8 lens - AF
32 LEDs, type 16 lens - AQ
32 LEDs, type 2x2 lens - AS
2 LEDs, type 1 lens - AP

LED quantity 004 ... 032

Color
black (RAL 9005) - CB
silver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Console
*side-entry / post top, 60 mm - N
side-entry / post top, ±90°, 60 mm - R
side-entry / post top, ±90°, 76 mm - P
flood light - F

Dimming
non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
midnight dimming (DALI) - R
step dimming - S
mains dimming - L
power line communication - P
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z
**custom configuration - X

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation
class I - 1
class II - 2

EXAMPLE SRUS 080 730 L01 AA016 CSN NG1

**Console regulation range - side entry: +15° ... -25° | post top: +40° ... -5°*

** CUSTOM CONFIGURATION EXAMPLE:
NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's	4			8			16		
Nominal current, mA	270	500	730	140	500	700	280	490	770
Power, W	5	8	11	5	15	19	15	25	39
Luminous Flux, lm	500	890	1250	560	1900	2500	2150	3500	5300
Efficacy, lm/W	100	111	114	112	127	132	143	140	136
Power factor, PF	0,83	0,89	0,93	0,70	0,89	0,94	0,90	0,97	0,98

Luminaire efficacy	2700 K	5 - 39 W	430 - 4400 lm	86 - 119 lm/W
	3000 K	5 - 39 W	470 - 4800 lm	94 - 130 lm/W
	5000 K	5 - 39 W	500 - 5300 lm	100 - 143 lm/W
	5700 K	5 - 39 W	500 - 5300 lm	100 - 143 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's	16			32	
Nominal current, mA	280	490	770	270	500
Power, W	15	25	39	27	50
Luminous Flux, lm	2150	3500	5300	4000	7100
Efficacy, lm/W	143	140	136	148	142
Power factor, PF	0,90	0,97	0,98	0,94	0,93

Luminaire efficacy	2700 K	15 - 50 W	1820 - 6100 lm	113 - 127 lm/W
	3000 K	15 - 50 W	2000 - 6700 lm	126 - 141 lm/W
	5000 K	15 - 50 W	2150 - 7100 lm	136 - 148 lm/W
	5700 K	15 - 50 W	2150 - 7100 lm	136 - 148 lm/W

ECO

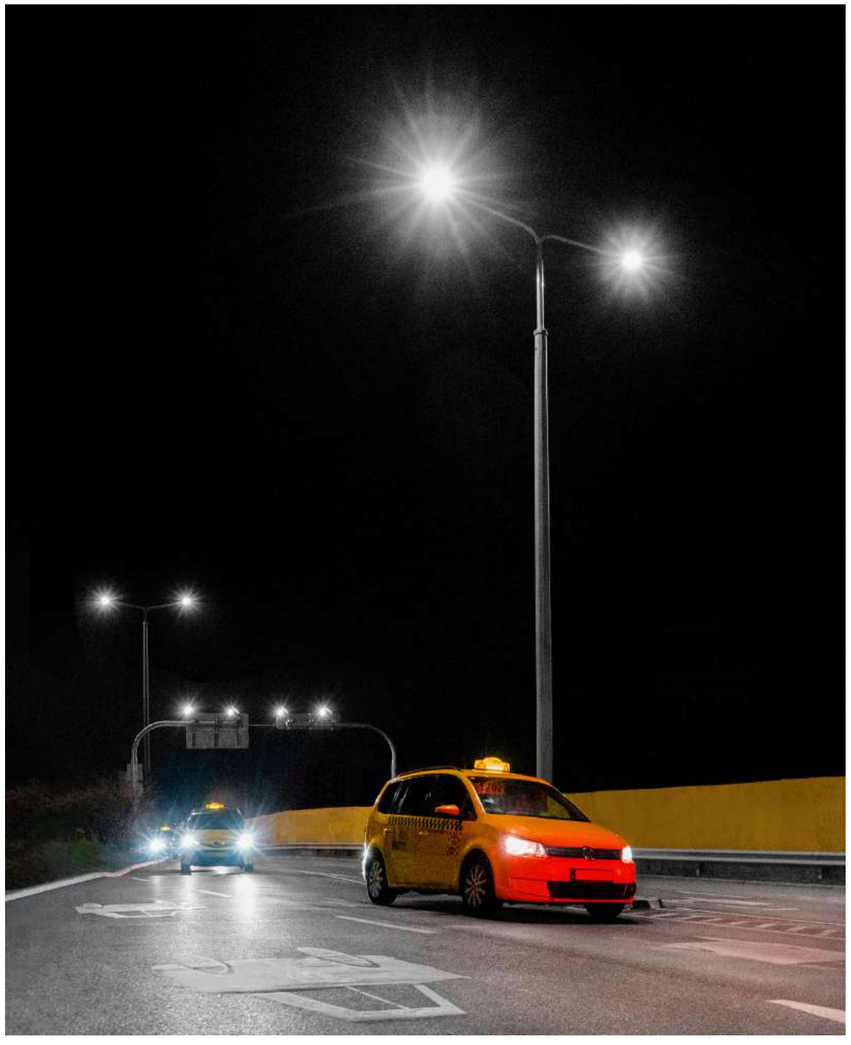
* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's	4			8			12			16	
Nominal current, mA	140	490	670	280	500	710	280	500	640	280	500
Power, W	5	14	19	15	26	38	22	39	50	28	50
Luminous Flux, lm	550	1600	2200	2200	3700	5100	3100	5100	6100	4200	7100
Efficacy, lm/W	110	114	116	147	142	134	141	131	122	150	142
Power factor, PF	0,69	0,89	0,94	0,90	0,97	0,98	0,91	0,95	0,97	0,95	0,97

Luminaire efficacy	2700 K	5 - 50 W	500 - 6600 lm	100 - 143 lm/W
	3000 K	5 - 50 W	540 - 6800 lm	108 - 146 lm/W
	5000 K	5 - 50 W	550 - 7100 lm	110 - 147 lm/W
	5700 K	5 - 50 W	550 - 7100 lm	110 - 147 lm/W



Budapest Ferenc Liszt International Airport | Hungary



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Mini martin



with fins



smooth



tool-less

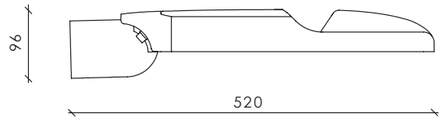


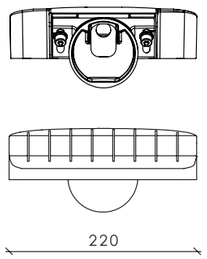
tool-less
smooth

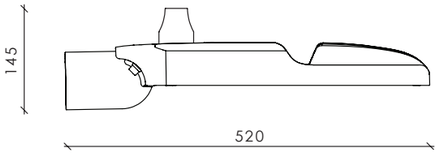
Mini martin with fins



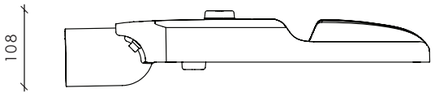
RAL9006 DB703 RAL9005 Other colors available on request



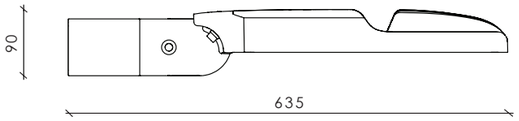




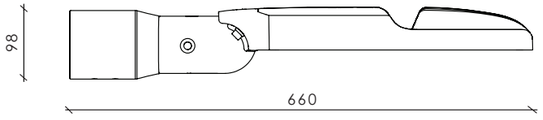
Dimensions with RF antenna



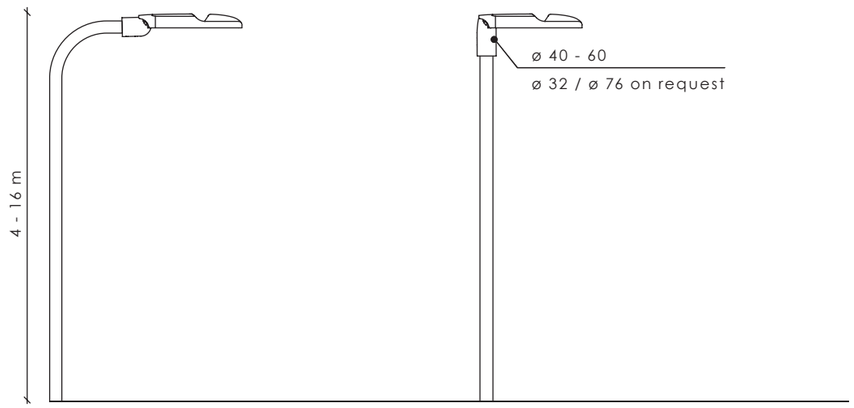
Dimensions with 2 Zhaga connectors

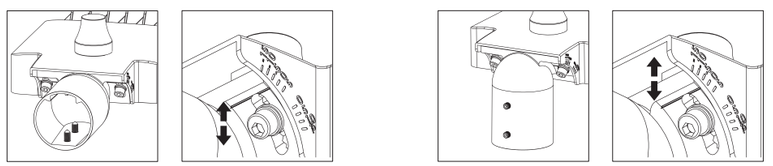


Dimensions with adjustable console ±90°, 60 mm



Dimensions with adjustable console ±90°, 76 mm





Horizontal entry ≤ 5 ... -20 Vertical entry ≤ 0 ... 20

Technical information

IP66 | IK08 | IK09 [9] | SundaHus [8] assessment available | EPD® | RoHS | [10]

V	198 - 264
Hz	50 - 60
W	5 - 110
lm	446 - 16000 [1]
lm/W	90 - 160
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L80B10C10) [4]
100 000 h (L95B10C10) [5]

Surge protection:	3; 6; 10 kV (optional) [6]
Spigot:	ø 40 - 60, with accessories ø 32; ø 76
Intelligent light control system:	Radio frequency [7]
Socket:	Zhaga / NEMA
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,036

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request

Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] Standard / High Density at Ta = 25 °C, this value is only informative and may change according to selected article

[6] 10 kV (L-N; L/N-PE) surge protection device available on request

[7] Optional. Available only with DALI ; 1 - 10 V

[8] Check SundaHus web page for product assessment results

[9] IK09 - screw version with tempered unprinted glass

[10] Coming soon

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles

MRS — F - Flood (flood light) | S - Smooth (finless) | T - Tool-less | E - Eco

Power 005 ... 110

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values: 2700 K - 27, 3000 K - 30, 4000 K - 40

Lens
type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 6x1 - T01 ... T99
type 12 - Y01 ... Y99
type 1 - Z01 ... Z99
custom configuration - M01 ... N99

LED module type
8 LEDs, type 2x2 lens - AA
36 LEDs, type 6x1 lens - AE
16 LEDs, type 8 lens - AF
4 LEDs, type 1 lens - AP

LED quantity 004 ... 048

Color
black (RAL 9005) - CB
silver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Console
post top / side-entry, ±15°, 60 mm - N
post top / side-entry, ±90°, 60 mm - R
post top / side-entry, ±90°, 76 mm - P
flood light - F

Dimming
non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
step dimming - S
mains dimming - L
power line communication - P
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z
*custom configuration - X

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation
class I - 1
class II - 2
class III - 3

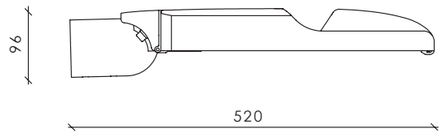
EXAMPLE MRS 050 740 L01 AA024 CSN DG1

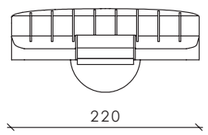
*** CUSTOM CONFIGURATION EXAMPLE**

NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Mini martin tool-less







RAL9006

DB703

RAL9005

Other colors
available on request

Technical information

IP66 IK08 IK09[9]

V	198 - 264
Hz	50 - 60
W	5 - 110
lm	446 - 16000 [1]
lm/W	90 - 160
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L80B10C10) [4]
100 000 h (L95B10C10) [5]

Surge protection:	3; 6; 10 kV (optional) [6]
Spigot:	ø 40 - 60, with accessories ø 32; ø 76
Intelligent light control system:	Radio frequency [7]
Socket:	Zhaga / NEMA
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,036

[1] Lumen output indicated at CRI > 70
[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request
Amber option available
[3] Luminaries with color rendering index (CRI): Ra > 90 on request
[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*
[5] Standard / High Density at Ta = 25 °C, this value is only informative and may change according to selected article
[6] 10 kV (L-N; L/N-PE) surge protection device available on request
[7] Optional. Available only with DALI ; 1 - 10 V
[8] Check SundaHus web page for product assessment results
[9] IK09 - screw version with tempered unprinted glass
[10] Coming soon

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		4			8			12	
Nominal current, mA	270	500	730	140	540	700	280	500	670
Power, W	5	8	11	5	15	19	12	20	26
Luminous Flux, lm	520	920	1300	560	2000	2500	1650	2800	3550
Efficacy, lm/W	104	115	118	112	133	132	138	140	137
Power factor, PF	0,83	0,89	0,93	0,69	0,90	0,94	0,85	0,95	0,97

Number of LED's		16			24	
Nominal current, mA	280	500	680	260	470	700
Power, W	15	25	35	20	35	52
Luminous Flux, lm	2150	3630	5000	3060	5300	7300
Efficacy, lm/W	143	145	143	153	151	140
Power factor, PF	0,90	0,97	0,97	0,86	0,94	0,97

Luminaire efficacy	2700 K	5 - 52 W	446 - 6300 lm	90 - 130 lm/W
	3000 K	5 - 52 W	490 - 6900 lm	98 - 142 lm/W
	5000 K	5 - 52 W	520 - 7300 lm	104 - 153 lm/W
	5700 K	5 - 52 W	520 - 7300 lm	104 - 153 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		16			32			48	
Nominal current, mA	280	480	760	290	500	760	270	500	750
Power, W	15	25	39	29	50	75	40	75	110
Luminous Flux, lm	2150	3540	5300	4600	7600	10600	6400	11200	16000
Efficacy, lm/W	143	142	136	159	152	141	160	149	145
Power factor, PF	0,83	0,93	0,98	0,82	0,93	0,97	0,98	0,97	0,97

Luminaire efficacy	2700 K	15 - 110 W	1850 - 13600 lm	115 - 137 lm/W
	3000 K	15 - 110 W	2000 - 15000 lm	126 - 150 lm/W
	5000 K	15 - 110 W	2150 - 16000 lm	136 - 160 lm/W
	5700 K	15 - 110 W	2150 - 16000 lm	136 - 160 lm/W

ECO

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

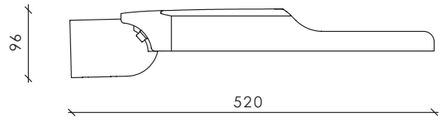
Number of LED's		8			16			24	
Nominal current, mA	280	470	700	280	490	710	270	470	710
Power, W	15	25	38	28	50	75	40	70	110
Luminous Flux, lm	2100	3400	4700	4200	6800	9300	6200	9700	13500
Efficacy, lm/W	140	136	124	150	136	124	155	139	123
Power factor, PF	0,90	0,97	0,98	0,95	0,93	0,97	0,95	0,97	0,97

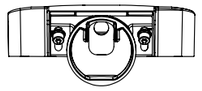
Luminaire efficacy	2700 K	15 - 110 W	1975 - 12600 lm	116 - 144 lm/W
	3000 K	15 - 110 W	2100 - 13500 lm	123 - 154 lm/W
	5000 K	15 - 110 W	2100 - 13500 lm	123 - 155 lm/W
	5700 K	15 - 110 W	2100 - 13500 lm	123 - 155 lm/W

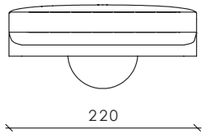
Mini martin smooth

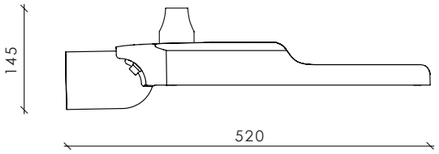




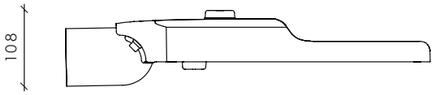




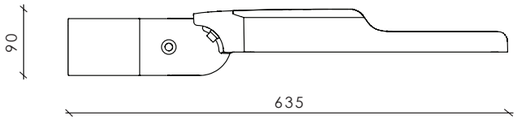




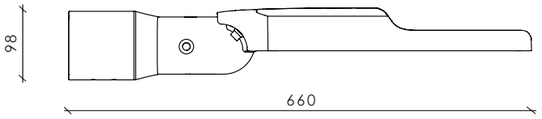
Dimensions with RF antenna



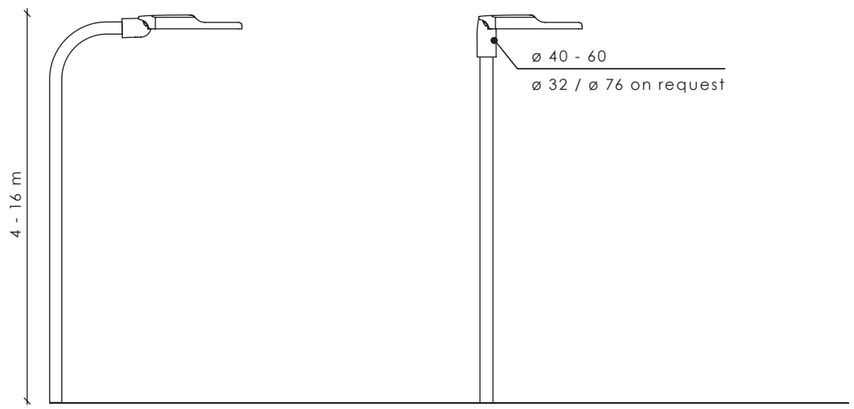
Dimensions with 2 Zhaga connectors



Dimensions with adjustable console ±90°, 60 mm



Dimensions with adjustable console ±90°, 76 mm





RAL9006 DB703 RAL9005 Other colors available on request

Technical information

V	198 - 264
Hz	50 - 60
W	5 - 75
lm	446 - 11200 [1]
lm/W	90 - 160
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

IP66 IK08 IK09[9] [10]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L80B10C10) [4]
100 000 h (L95B10C10) [5]

Surge protection:	3; 6; 10 kV (optional) [6]
Spigot:	ø 40 - 60, with accessories ø 32; ø 76
Intelligent light control system:	Radio frequency [7]
Socket:	Zhaga / NEMA
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,036

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] Standard / High Density at Ta = 25 °C, this value is only informative and may change according to selected article

[6] 10 kV (L-N; L/N-PE) surge protection device available on request

[7] Optional. Available only with DALI ; 1 - 10 V

[8] Check SundaHus web page for product assessment results

[9] IK09 - screw version with tempered unprinted glass

[10] Coming soon

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles

MRS — F - Flood (flood light) | S - Smooth (finless) | T - Tool-less | E - Eco

Power 005 ... 110

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values: 2700 K - 27, 3000 K - 30, 4000 K - 40

Lens
type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 6x1 - T01 ... T99
type 12 - Y01 ... Y99
type 1 - Z01 ... Z99
custom configuration - M01 ... N99

LED module type
8 LEDs, type 2x2 lens - AA
36 LEDs, type 6x1 lens - AE
16 LEDs, type 8 lens - AF
4 LEDs, type 1 lens - AP

LED quantity 004 ... 048

Color
black (RAL 9005) - CB
silver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Console
post top / side-entry, ±15°, 60 mm - N
post top / side-entry, ±90°, 60 mm - R
post top / side-entry, ±90°, 76 mm - P
flood light - F

Dimming
non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
step dimming - S
mains dimming - L
power line communication - P
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z
*custom configuration - X

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

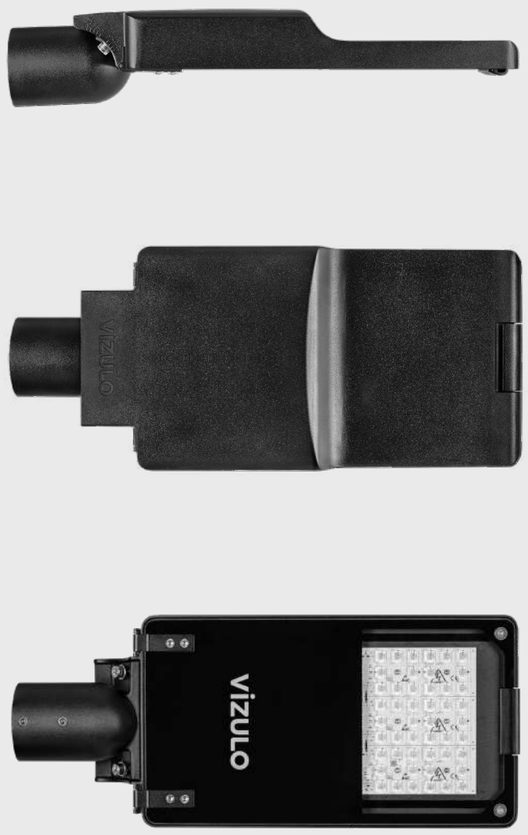
Insulation
class I - 1
class II - 2
class III - 3

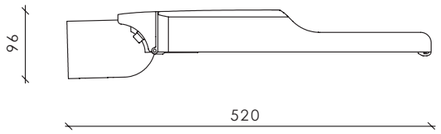
EXAMPLE MRSS 050 740 L01 AA024 CSN DG1

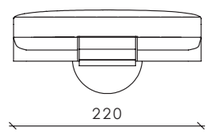
*** CUSTOM CONFIGURATION EXAMPLE**

NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Mini martin
tool-less smooth







RAL9006

DB703

RAL9005

Other colors
available on request

Technical information

V	198 - 264
Hz	50 - 60
W	5 - 75
lm	446 - 11200 [1]
lm/W	90 - 160
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L80B10C10) [4]
100 000 h (L95B10C10) [5]

Surge protection:	3; 6; 10 kV (optional) [6]
Spigot:	ø 40 - 60, with accessories ø 32; ø 76
Intelligent light control system:	Radio frequency [7]
Socket:	Zhaga / NEMA
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,036

[1] Lumen output indicated at CRI > 70
[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request
Amber option available
[3] Luminaries with color rendering index (CRI): Ra > 90 on request
[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*
[5] Standard / High Density at Ta = 25 °C, this value is only informative and may change according to selected article
[6] 10 kV (L-N; L/N-PE) surge protection device available on request
[7] Optional. Available only with DALI ; 1 - 10 V
[8] Check SundaHus web page for product assessment results
[9] IK09 - screw version with tempered unprinted glass
[10] Coming soon

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		4			8			12	
Nominal current, mA	270	500	730	140	540	700	280	500	670
Power, W	5	8	11	5	15	19	12	20	26
Luminous Flux, lm	520	920	1300	560	2000	2500	1650	2800	3550
Efficacy, lm/W	104	115	118	112	133	132	138	140	137
Power factor, PF	0,83	0,89	0,93	0,69	0,90	0,94	0,85	0,95	0,97

Number of LED's		16			24	
Nominal current, mA	280	500	680	260	470	700
Power, W	15	25	35	20	35	52
Luminous Flux, lm	2150	3630	5000	3060	5300	7300
Efficacy, lm/W	143	145	143	153	151	140
Power factor, PF	0,90	0,97	0,97	0,86	0,94	0,97

Luminaire efficacy	2700 K	5 - 52 W	446 - 6300 lm	90 - 130 lm/W
	3000 K	5 - 52 W	490 - 6900 lm	98 - 142 lm/W
	5000 K	5 - 52 W	520 - 7300 lm	104 - 153 lm/W
	5700 K	5 - 52 W	520 - 7300 lm	104 - 153 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		16			32			48	
Nominal current, mA	280	480	760	290	500	760	270	380	500
Power, W	15	25	39	29	50	75	40	55	75
Luminous Flux, lm	2150	3540	5300	4600	7600	10600	6400	8500	11200
Efficacy, lm/W	143	142	136	159	152	141	160	155	149
Power factor, PF	0,83	0,93	0,98	0,82	0,93	0,97	0,98	0,94	0,97

Luminaire efficacy	2700 K	15 - 75 W	1850 - 9600 lm	115 - 137 lm/W
	3000 K	15 - 75 W	2000 - 10500 lm	126 - 150 lm/W
	5000 K	15 - 75 W	2150 - 11200 lm	136 - 160 lm/W
	5700 K	15 - 75 W	2150 - 11200 lm	136 - 160 lm/W

ECO

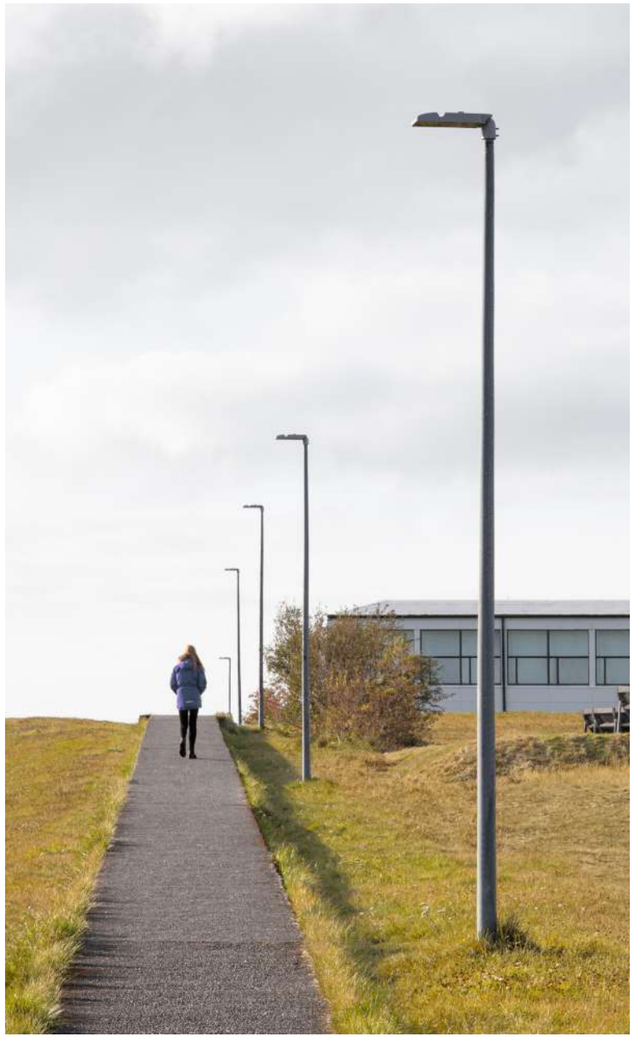
* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		8			16			24	
Nominal current, mA	280	470	700	280	490	710	270	400	500
Power, W	15	25	38	28	50	75	40	60	75
Luminous Flux, lm	2100	3400	4700	4200	6800	9300	6200	8620	10300
Efficacy, lm/W	140	136	124	150	136	124	155	144	137
Power factor, PF	0,90	0,97	0,98	0,95	0,93	0,97	0,95	0,95	0,97

Luminaire efficacy	2700 K	15 - 75 W	1975 - 9600 lm	116 - 144 lm/W
	3000 K	15 - 75 W	2100 - 10300 lm	124 - 154 lm/W
	5000 K	15 - 75 W	2100 - 10300 lm	124 - 155 lm/W
	5700 K	15 - 75 W	2100 - 10300 lm	124 - 155 lm/W



Reykjavik | Iceland



Hestheimar horse farm | Iceland

Micro martin



with fins



smooth



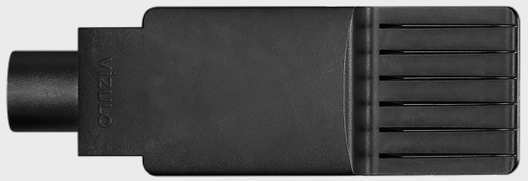
tool-less



tool-less
smooth

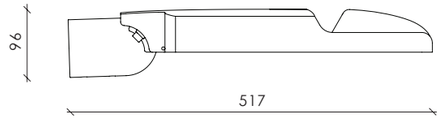
Micro martin with fins

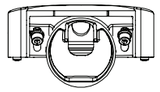


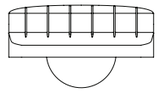


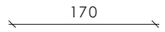


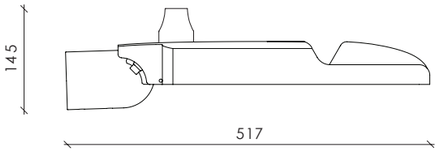
RAL9006 DB703 RAL9005 Other colors available on request



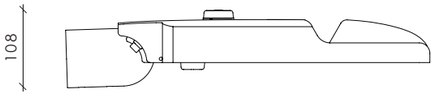




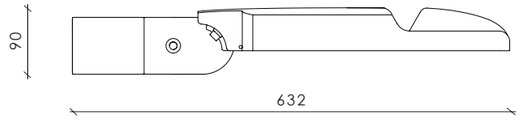




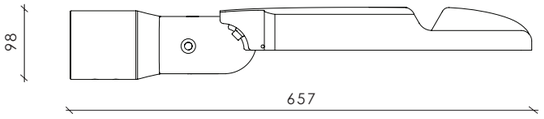
Dimensions with RF antenna



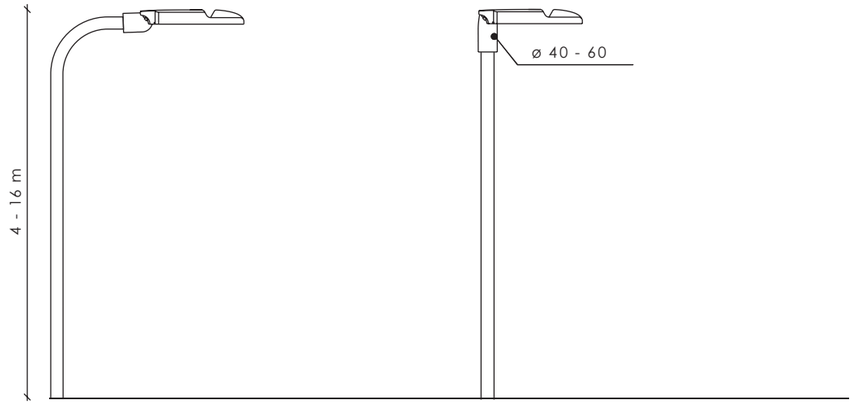
Dimensions with 2 Zhaga connectors

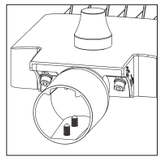


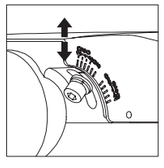
Dimensions with adjustable console ±90°, 60 mm



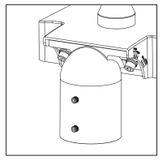
Dimensions with adjustable console ±90°, 76 mm

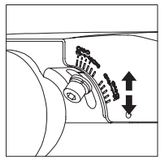






Horizontal entry ≤ -20 ... 5





Vertical entry ≤ 0 ... 20

Technical information

IP66 | IK08 | IK09 [7] | SundaHus [6] assessment available | [8]

V	198 - 264
Hz	50 - 60
W	5 - 75
lm	446 - 10400 [1]
lm/W	90 - 160
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L95B10) at Ta = 25 °C
100 000 h (L80B10C10) [4]

Surge protection:	6 kV / separate built-in 10 kV
Spigot:	ø 40 - 60 mm
Intelligent light control system:	Radio frequency [5]
Socket:	Zhaga / NEMA
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,037

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request

Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] Optional. Available only with DALI ; 1 - 10 V

[6] Check SundaHus web page for product assessment results

[7] IK09 - screw version with tempered unprinted glass

[8] Coming soon

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles

MRU

F - Flood (flood light) | S - Smooth (finless) | T - Tool-less | E - Eco

Power
005 ... 075

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values:
2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 16 - S01 ... S99
type 6x1 - T01 ... T99
type 1 - Z01 ... Z99
custom configuration - M01 ... N99

LED module type
8 LEDs, type 2x2 lens - AA
16 LEDs, type 8 lens - AF
32 LEDs, type 16 lens - AQ
2 LEDs, type 1 lens - AP

LED quantity
004 ... 032

Color
black (RAL 9005) - CB
silver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Console
post top / side-entry, ±15°, 60 mm - N
post top / side-entry, ±90°, 60 mm - R
post top / side-entry, ±90°, 76 mm - P
flood light - F

Dimming
non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
step dimming - S
mains dimming - L
power line communication - P
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z
*custom configuration - X

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

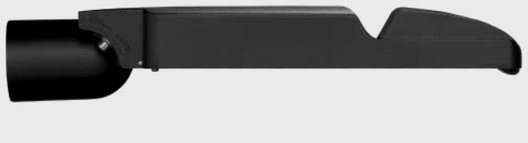
Insulation
class I - 1
class II - 2
class III - 3

EXAMPLE MRUE 045 740 L02 AA016 CSN DG1

*** CUSTOM CONFIGURATION EXAMPLE**

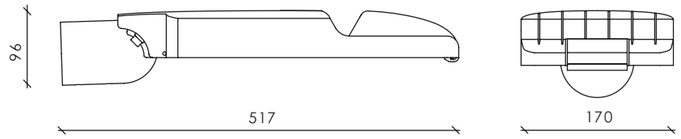
NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Micro martin tool-less









RAL9006

DB703

RAL9005

Other colors
available on request

Technical information

V	198 - 264
Hz	50 - 60
W	5 - 75
lm	446 - 10400 [1]
lm/W	90 - 160
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L95B10) at Ta = 25 °C
100 000 h (L80B10C10) [4]

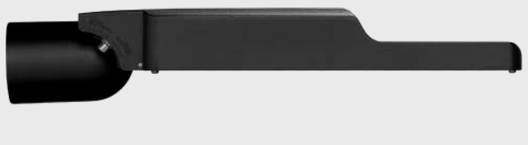
Surge protection:	6 kV / separate built-in 10 kV
Spigot:	ø 40 - 60 mm
Intelligent light control system:	Radio frequency [5]
Socket:	Zhaga / NEMA
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,037

[1] Lumen output indicated at CRI > 70
[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request
Amber option available
[3] Luminaries with color rendering index (CRI): Ra > 90 on request
[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*
[5] Optional. Available only with DALI ; 1 - 10 V
[6] Check SundaHus web page for product assessment results
[7] IK09 - screw version with tempered unprinted glass
[8] Coming soon

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

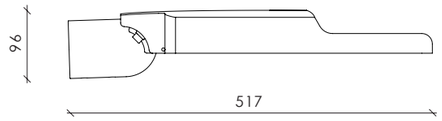
Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

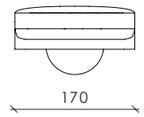
Micro martin smooth











RAL9006

DB703

RAL9005

Other colors
available on request

Technical information

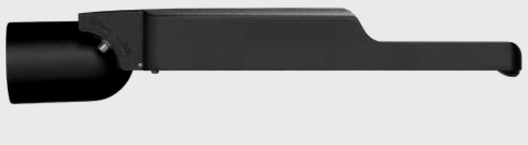
V	198 - 264	1 - 10 V; DALI; Midnight dimming	
Hz	50 - 60	Chromaticity tolerance (initial MacAdam): 5	
W	5 - 75	Warranty 5 years	
lm	446 - 10400 [1]	100 000 h (L95B10) at Ta = 25 °C	
lm/W	90 - 160	100 000 h (L80B10C10) [4]	
K	2700 / 3000 / 4000 [2]		
°C	-40 to +50 (5 - 50 W version)	*Surge protection:*	6 kV / separate built-in 10 kV
	-40 to +35 (50 - 75 W version)	*Spigot:*	ø 40 - 60 mm
CRI	>70 / >80 [3]	*Intelligent light control system:*	Radio frequency [5]
		Socket:	Zhaga / NEMA
		Body:	Die-cast aluminium
		Max. wind load area, SCd, m²:	0,037

[1] Lumen output indicated at CRI > 70
[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request
Amber option available
[3] Luminaries with color rendering index (CRI): Ra > 90 on request
[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*
[5] Optional. Available only with DALI ; 1 - 10 V
[6] Check SundaHus web page for product assessment results
[7] IK09 - screw version with tempered unprinted glass
[8] Coming soon

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

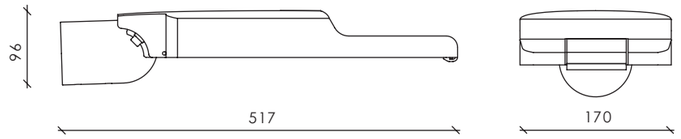
Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Micro martin tool-less smooth









RAL9006

DB703

RAL9005

Other colors
available on request

Technical information

IP66 IK08 IK09[7]

V	198 - 264	1 - 10 V; DALI; Midnight dimming	
Hz	50 - 60	Chromaticity tolerance (initial MacAdam): 5	
W	5 - 75	Warranty 5 years	
lm	446 - 10400 [1]	100 000 h (L95B10) at Ta = 25 °C	
lm/W	90 - 160	100 000 h (L80B10C10) [4]	
K	2700 / 3000 / 4000 [2]		
°C	-40 to +50 (5 - 50 W version)	*Surge protection:*	6 kV / separate built-in 10 kV
	-40 to +35 (50 - 75 W version)	*Spigot:*	ø 40 - 60 mm
CRI	>70 / >80 [3]	*Intelligent light control system:*	Radio frequency [5]
		Socket:	Zhaga / NEMA
		Body:	Die-cast aluminium
		Max. wind load area, SCd, m²:	0,037

[1] Lumen output indicated at CRI > 70
[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request
Amber option available
[3] Luminaries with color rendering index (CRI): Ra > 90 on request
[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*
[5] Optional. Available only with DALI ; 1 - 10 V
[6] Check SundaHus web page for product assessment results
[7] IK09 - screw version with tempered unprinted glass
[8] Coming soon

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's	4			8			12			16		
Nominal current, mA	270	500	730	140	540	700	280	500	670	280	500	760
Power, W	5	8	11	5	15	19	12	20	26	15	25	39
Luminous Flux, lm	520	920	1300	560	2000	2500	1650	2800	3550	2180	3630	5400
Efficacy, lm/W	104	115	118	112	133	132	138	140	137	145	145	138
Power factor, PF	0,83	0,89	0,93	0,69	0,90	0,94	0,85	0,95	0,97	0,90	0,97	0,98

Luminaire efficacy				
	2700 K	5 - 39 W	446 - 4600 lm	90 - 127 lm/W
	3000 K	5 - 39 W	490 - 5100 lm	98 - 137 lm/W
	5000 K	5 - 39 W	520 - 5400 lm	104 - 145 lm/W
	5700 K	5 - 39 W	520 - 5400 lm	104 - 145 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's	16			32		
Nominal current, mA	280	480	760	290	500	760
Power, W	15	25	39	29	50	75
Luminous Flux, lm	2150	3540	5300	4600	7600	10400
Efficacy, lm/W	143	142	136	159	152	139
Power factor, PF	0,83	0,93	0,98	0,82	0,93	0,97

Luminaire efficacy				
	2700 K	15 - 75 W	1850 - 8900 lm	115 - 137 lm/W
	3000 K	15 - 75 W	2000 - 9800 lm	126 - 150 lm/W
	5000 K	15 - 75 W	2150 - 10400 lm	136 - 160 lm/W
	5700 K	15 - 75 W	2150 - 10400 lm	136 - 160 lm/W

ECO

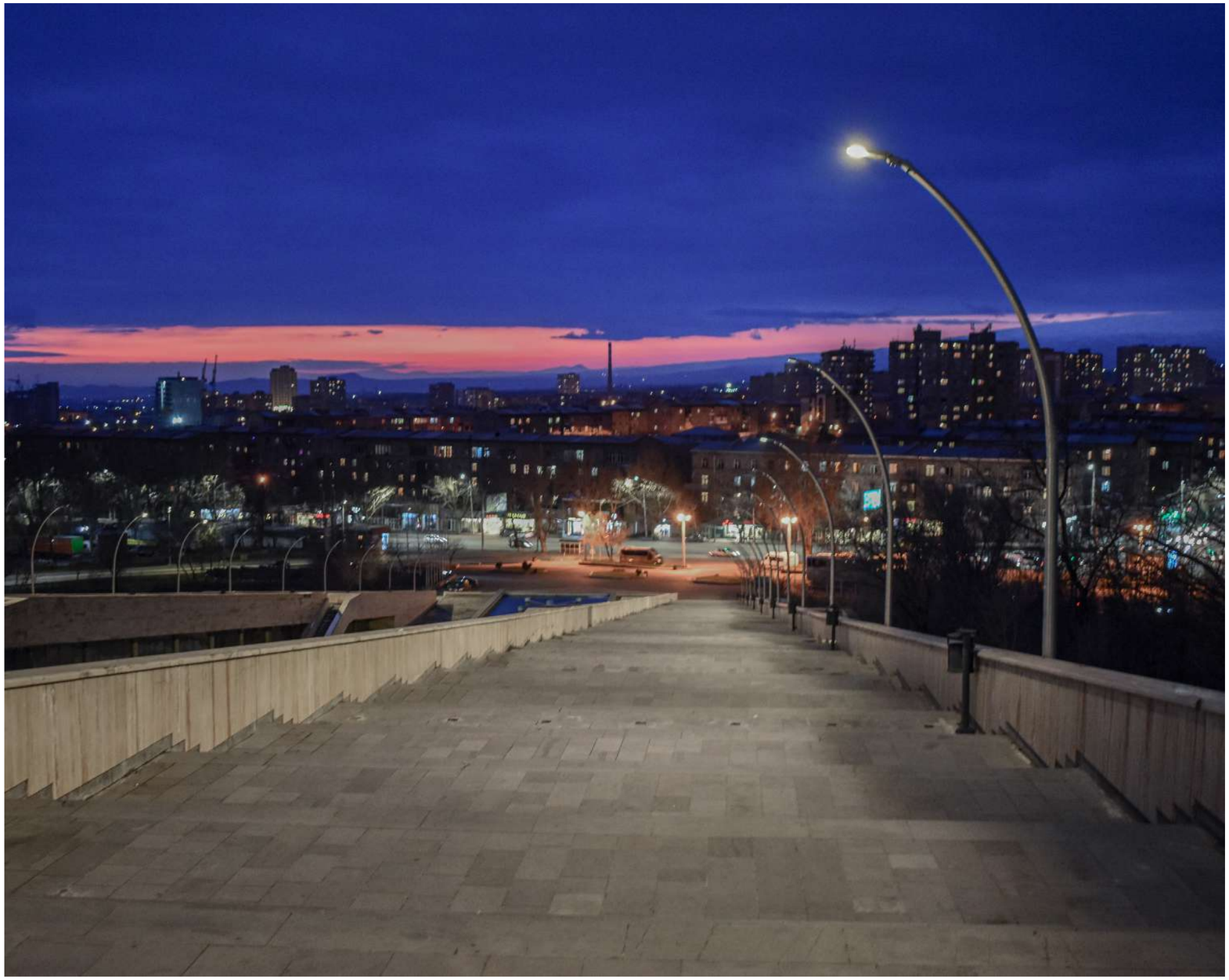
* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's	4			8			16		
Nominal current, mA	140	490	670	280	470	700	280	490	720
Power, W	5	14	19	15	25	38	28	50	75
Luminous Flux, lm	560	1720	2250	2100	3400	4700	4200	6800	9300
Efficacy, lm/W	112	123	118	140	136	124	150	136	124
Power factor, PF	0,69	0,89	0,94	0,90	0,97	0,98	0,95	0,93	0,97

Luminaire efficacy				
	2700 K	5 - 75 W	523 - 8700 lm	105 - 141 lm/W
	3000 K	5 - 75 W	560 - 9000 lm	112 - 148 lm/W
	5000 K	5 - 75 W	560 - 9300 lm	112 - 151 lm/W
	5700 K	5 - 75 W	560 - 9300 lm	112 - 151 lm/W



Yerevan | Armenia

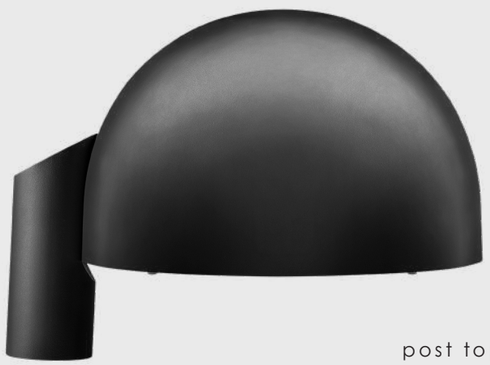


Yerevan | Armenia

Blackbird



side-entry



post top



top entry

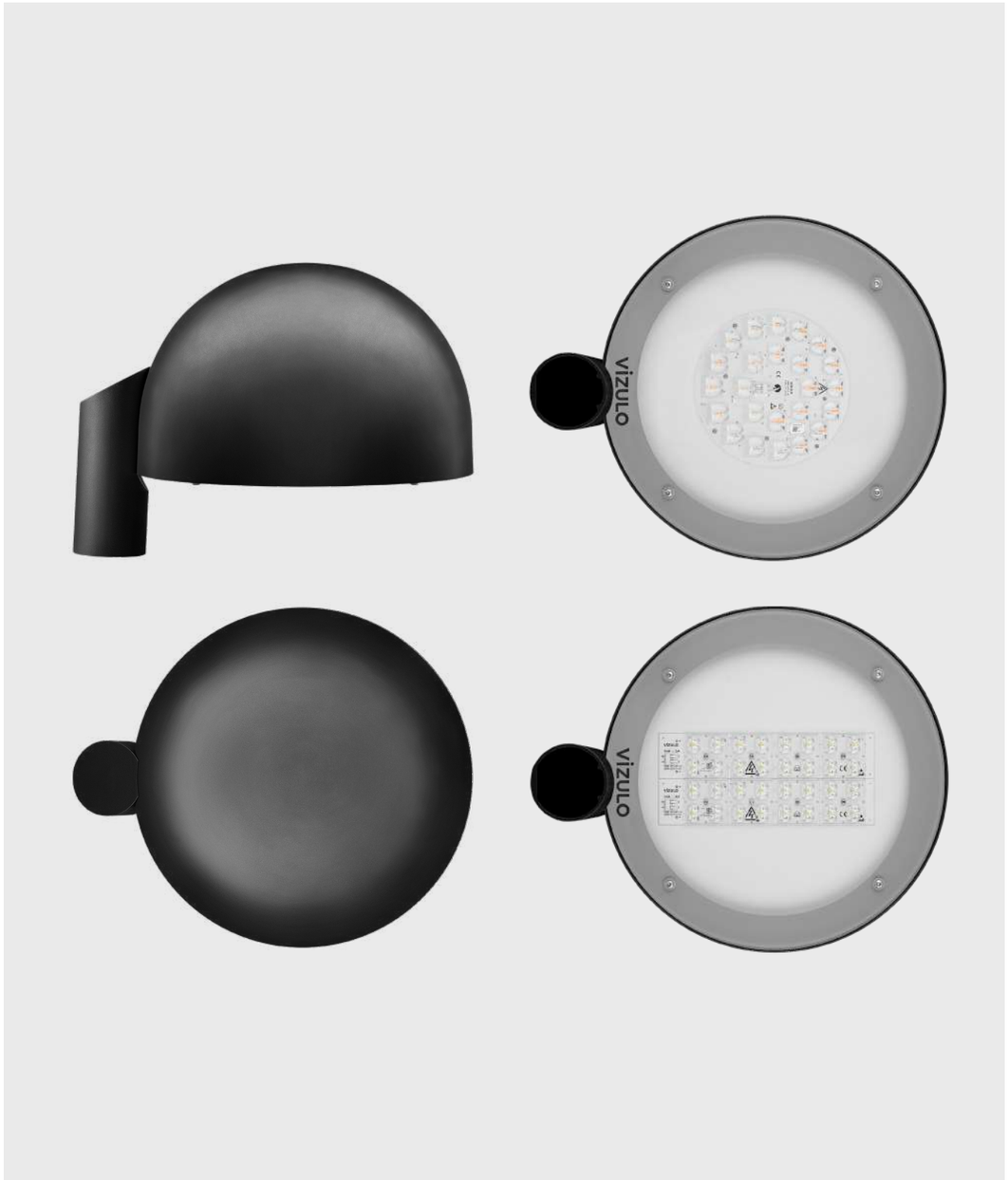


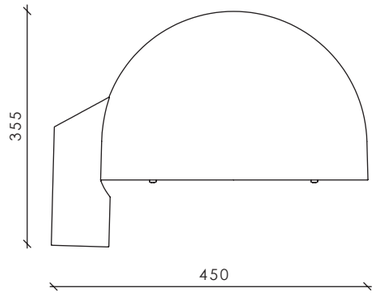
hanging

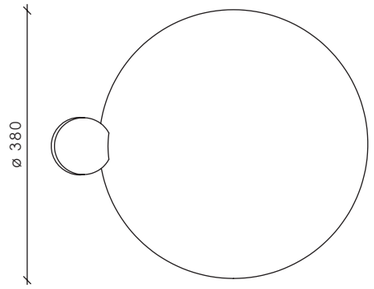


scepter

Blackbird post top





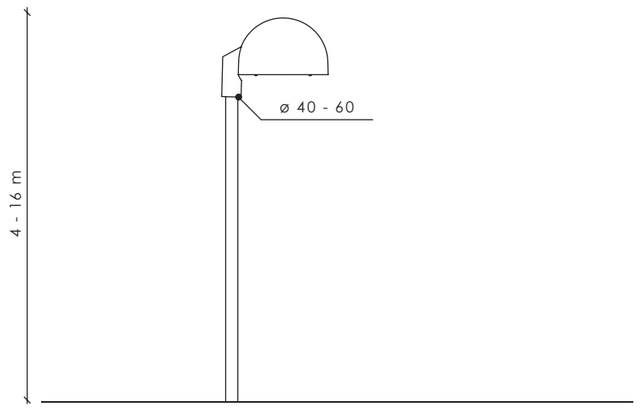


RAL9006

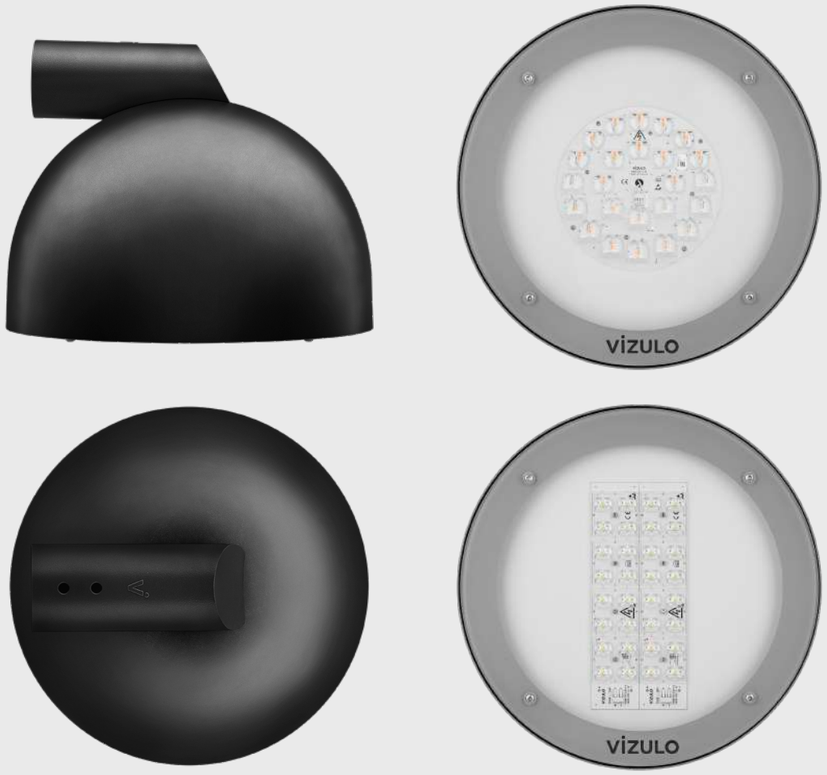
DB703

RAL9005

Other colors
available on request

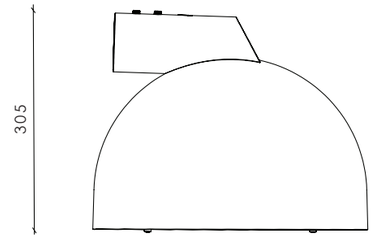


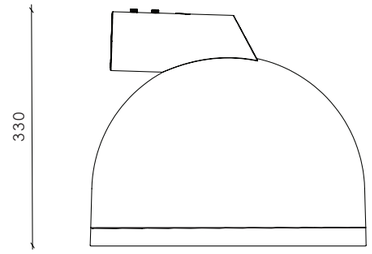
Blackbird side-entry



with Halo







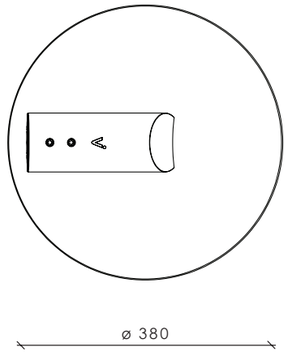
Configuration with Halo

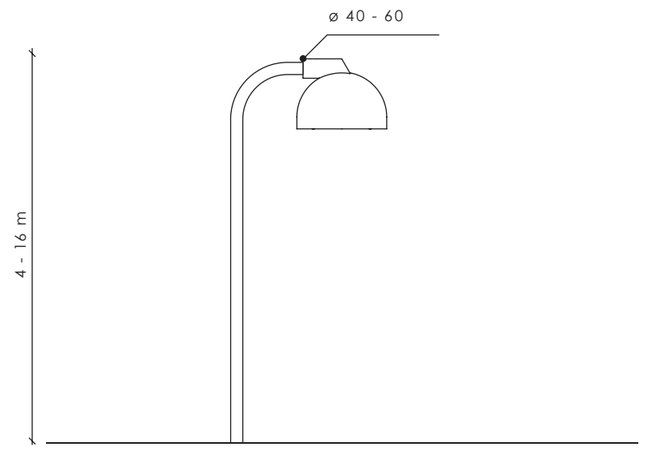
RAL9006

DB703

RAL9005

Other colors
available on request



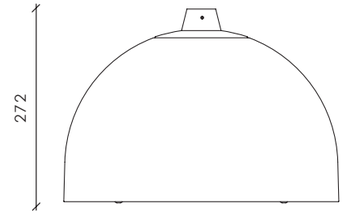


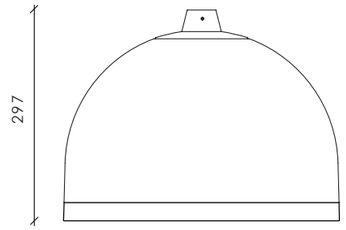
Blackbird top entry



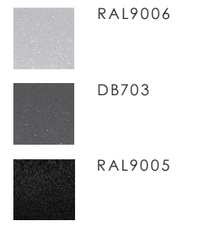
with Halo



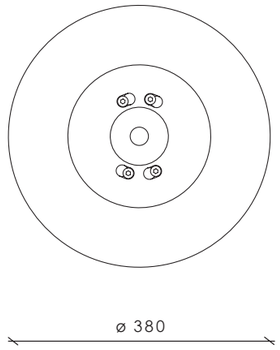


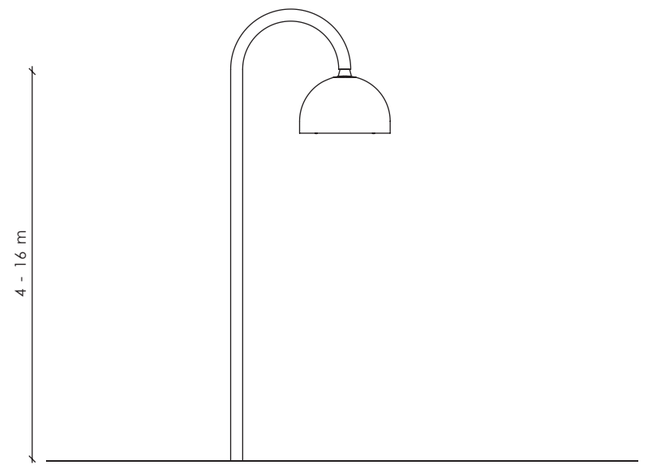


Configuration with Halo

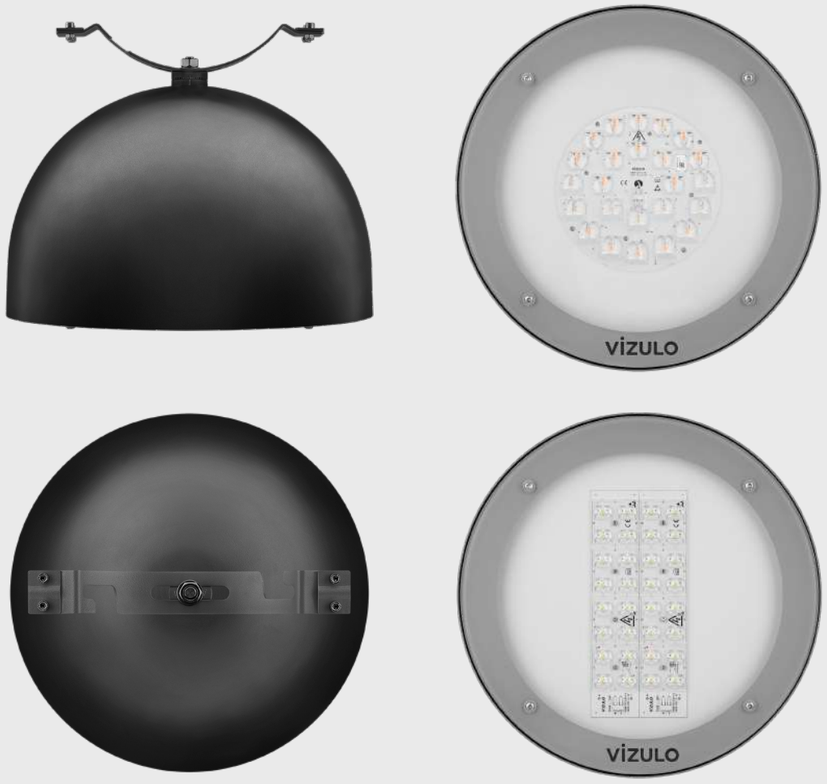


Other colors
available on request



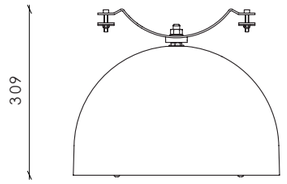


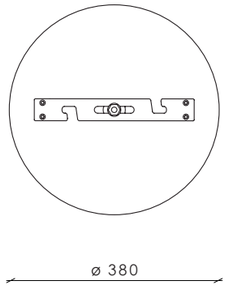
Blackbird hanging

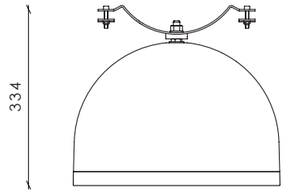


with Halo

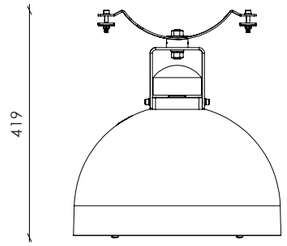




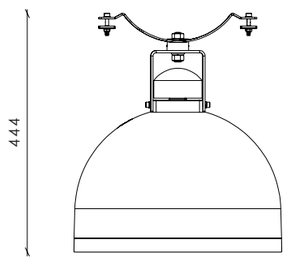




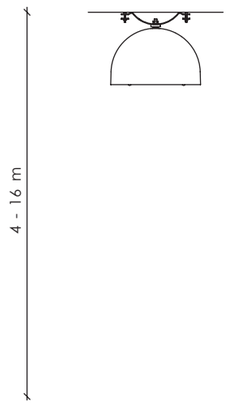
Configuration with Halo



Configuration with Zhaga on top



Configuration with Zhaga on top and Halo



Max. wind load area, SCd, m²: 0,09

RAL9006

DB703

RAL9005

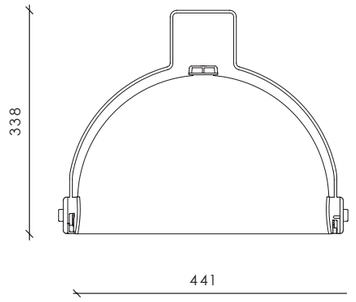
Other colors
available on request

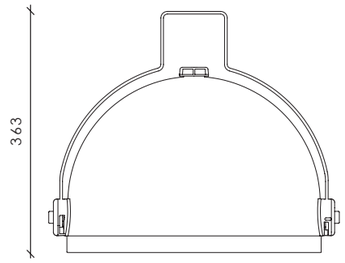
Blackbird scepter



with Halo







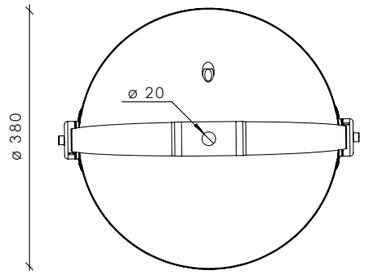
Configuration with Halo

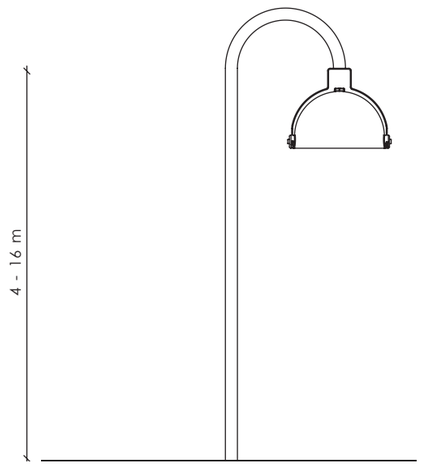
RAL9006

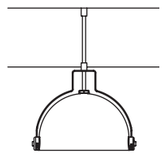
DB703

RAL9005

Other colors
available on request







Technical information

V	220 - 240
Hz	50 - 60
W	5 - 100
lm	441 - 15500 [1]
lm/W	88 - 160
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L98B10) at Ta = 25 °C
100 000 h (L80B10) at Ta = 25 °C (ECO) [4]

Surge protection:	6 kV, 10 kV (optional) [5]
Spigot:	ø 40 - 60 mm - side entry / post top 3/4" (SFS-ISO 228-1) - top entry
Body:	Die-cast aluminium
Intelligent light control system:	Radio frequency / Power line [6]
Socket:	Zhaga

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Tunable white option available (2700 - 6500 K);
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

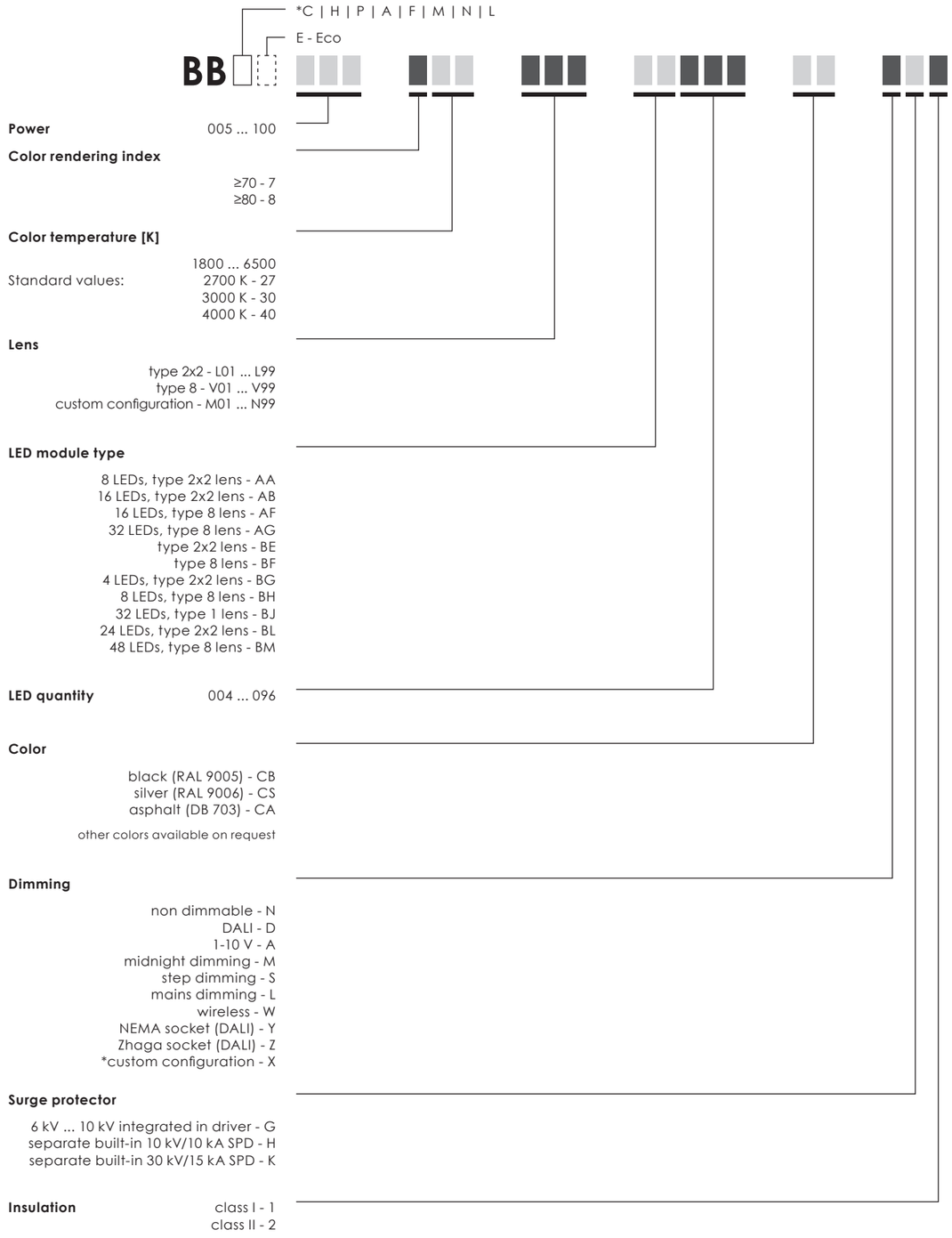
[5] 10 kV (L-N; L/N-PE) surge protection device available on request

[6] Optional. Available only with DALI ; 1 - 10 V

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles



Power 005 ... 100

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values: 2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... L99
type 8 - V01 ... V99
custom configuration - M01 ... N99

LED module type
8 LEDs, type 2x2 lens - AA
16 LEDs, type 2x2 lens - AB
16 LEDs, type 8 lens - AF
32 LEDs, type 8 lens - AG
type 2x2 lens - BE
type 8 lens - BF
4 LEDs, type 2x2 lens - BG
8 LEDs, type 8 lens - BH
32 LEDs, type 1 lens - BJ
24 LEDs, type 2x2 lens - BL
48 LEDs, type 8 lens - BM

LED quantity 004 ... 096

Color
black (RAL 9005) - CB
silver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Dimming
non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
step dimming - S
mains dimming - L
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z
*custom configuration - X

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation
class I - 1
class II - 2

EXAMPLE BBPE 050 730 L01 AB032 CB DG1

* C - Street (side-entry) | H - Hanging | P - Post-top | A - Top-entry | F - Flood (flood light)
M - Mushroom (42 - 60 mm) | N - Mushroom (76 mm) | L - Scepter

** CUSTOM CONFIGURATION EXAMPLE:
NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		4			8			16	
Nominal current, mA	270	500	730	140	540	700	270	480	760
Power, W	5	8	11	5	15	19	15	25	39
Luminous Flux, lm	520	900	1300	560	2000	2500	2200	3530	5240
Efficacy, lm/W	104	113	118	110	133	132	147	141	134
Power factor, PF	0,83	0,89	0,93	0,69	0,90	0,94	0,83	0,93	0,98

Number of LED's		24			32			48	
Nominal current, mA	260	470	700	280	510	680	270	510	680
Power, W	20	35	52	28	50	75	40	75	100
Luminous Flux, lm	3000	5100	7200	4300	7300	10230	6100	11000	14000
Efficacy, lm/W	150	146	138	154	146	136	153	147	140
Power factor, PF	0,86	0,94	0,97	0,81	0,93	0,97	0,79	0,97	0,96

Luminaire efficacy				
	2700 K	5 - 100 W	441 - 12000 lm	88 - 134 lm/W
	3000 K	5 - 100 W	485 - 13200 lm	97 - 144 lm/W
	5000 K	5 - 100 W	520 - 14000 lm	104 - 154 lm/W
	5700 K	5 - 100 W	520 - 14000 lm	104 - 154 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		16			24			32	
Nominal current, mA	280	480	760	260	470	700	290	500	760
Power, W	15	25	39	20	35	52	29	50	75
Luminous Flux, lm	2200	3530	5240	3000	5100	7200	4450	7300	10300
Efficacy, lm/W	147	141	134	150	146	138	153	146	137
Power factor, PF	0,83	0,93	0,98	0,86	0,93	0,97	0,82	0,93	0,97

Number of LED's		48			96	
Nominal current, mA	270	510	680	270	320	350
Power, W	40	75	100	76	90	100
Luminous Flux, lm	6300	11000	14000	12100	14100	15500
Efficacy, lm/W	158	147	140	159	157	155
Power factor, PF	0,89	0,97	0,96	0,97	0,98	0,96

Luminaire efficacy				
	2700 K	15 - 100 W	1840 - 13210 lm	115 - 136 lm/W
	3000 K	15 - 100 W	2015 - 14530 lm	127 - 150 lm/W
	5000 K	15 - 100 W	2200 - 15500 lm	134 - 159 lm/W
	5700 K	15 - 100 W	2200 - 15500 lm	134 - 159 lm/W

ECO

* Data for L01 optic.

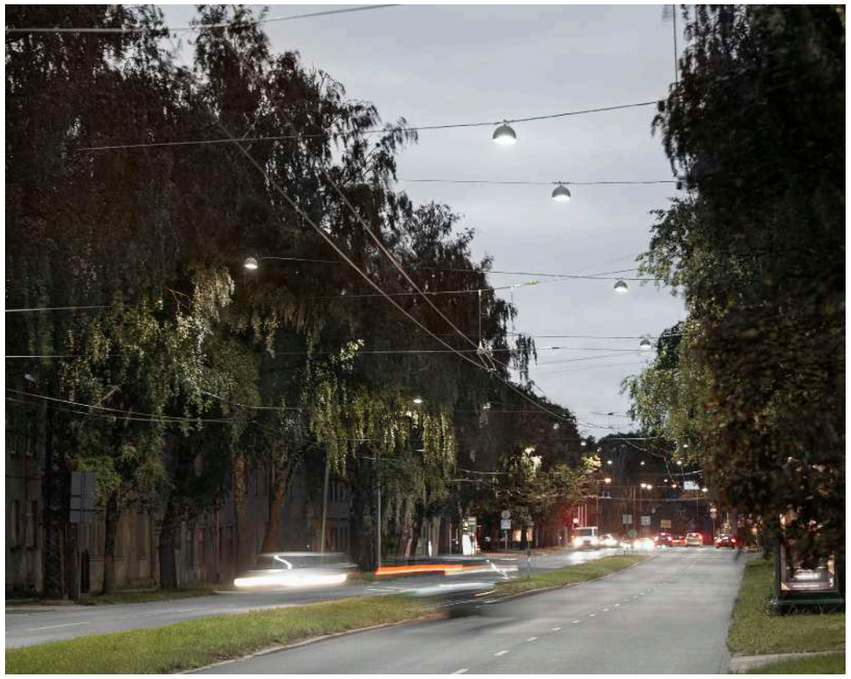
Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		4			8			16	
Nominal current, mA	140	490	670	280	490	700	140	250	390
Power, W	5	14	19	15	26	38	15	25	39
Luminous Flux, lm	555	1730	2300	2100	3430	4640	2300	3750	5560
Efficacy, lm/W	111	124	121	140	132	122	153	150	143
Power factor, PF	0,69	0,89	0,94	0,83	0,94	0,98	0,83	0,93	0,98

Number of LED's		24			32			48	
Nominal current, mA	270	530	650	260	380	500	140	260	350
Power, W	42	80	100	50	75	100	40	75	100
Luminous Flux, lm	6050	10600	12400	7620	11000	13400	6410	11500	14500
Efficacy, lm/W	144	133	124	152	147	134	160	153	145
Power factor, PF	0,98	0,97	0,96	0,93	0,97	0,96	0,79	0,92	0,96

Luminaire efficacy				
	2700 K	5 - 100 W	520 - 13560 lm	104 - 150 lm/W
	3000 K	5 - 100 W	555 - 14500 lm	111 - 160 lm/W
	5000 K	5 - 100 W	555 - 14500 lm	111 - 160 lm/W
	5700 K	5 - 100 W	555 - 14500 lm	111 - 160 lm/W



Riga | Latvia



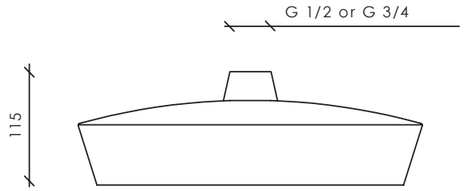
Jelgava | Latvia

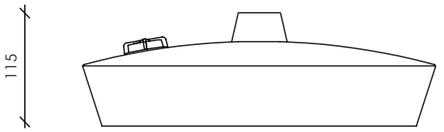
Luscinia top entry



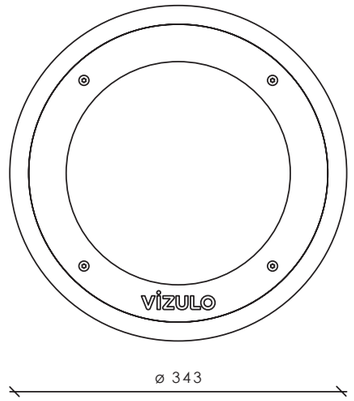


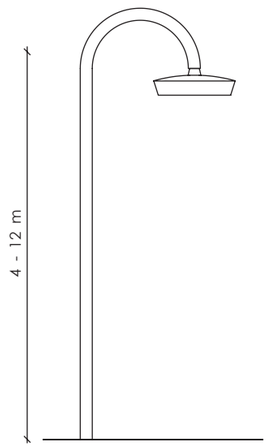






Configuration with Zhaga connector

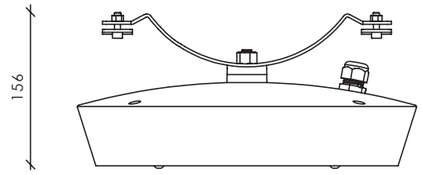


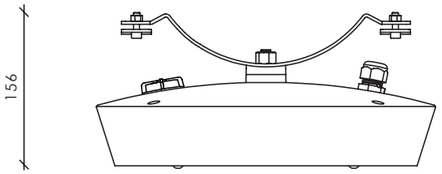


RAL9006 DB703 RAL9005 Other colors available on request

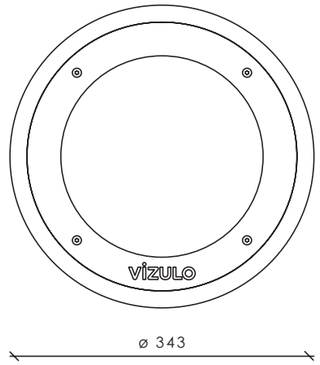
Luscinia hanging

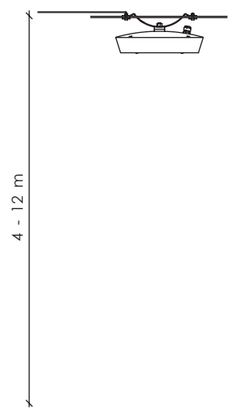


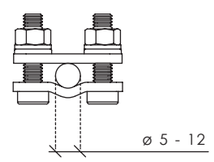




Configuration with Zhaga connector







RAL9006 DB703 RAL9005 Other colors available on request

Technical information

V	198 - 264
Hz	50 - 60
W	5 - 75
lm	476 - 11150 [1]
lm/W	95 - 158
K	2700 / 3000 / 4000 [2]
°C	-40 to +50 (5 - 50 W)
	-40 to +35 (50 - 75 W)
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L95B10) at Ta = 25 °C
100 000 h (L80B10) at Ta = 25 °C (ECO) [4]

Surge protection:	6 kV; 10 kV (optional) [5]
Intelligent light control system:	Radio frequency / Power line [6]
Socket:	Zhaga / NEMA
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,09

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] 10 kV (L-N; L/N-PE) surge protection device available on request

[6] Optional. Available only with DALI ; 1 - 10 V

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles

P - Park (post-top) | H - Hanging | A - Top-entry
E - Eco

LU □ □□□ □□□ □□□ □□□□ □□ □□□

Power 005 ... 075

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values: 2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... LZ9
type 8 - V01 ... VZ9
custom configuration - M01 ... NZ9

LED module type
8 LEDs, type 2x2 lens - AA
16 LEDs, type 8 lens - AF
4 LEDs, type 2x2 lens - BG
8 LEDs, type 8 lens - BH
32 LEDs, type 1 lens - BJ
24 LEDs, type 2x2 lens - BL
48 LEDs, type 8 lens - BM

LED quantity 004 ... 048

Color
black (RAL 9005) - CB
silver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Dimming
non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
step dimming - S
mains dimming - L
power line communication - P
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z
*custom configuration - X

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation
class I - 1
class II - 2

EXAMPLE LUHE 075 730 L05 BL024 CS NG1

*** CUSTOM CONFIGURATION EXAMPLE**

NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		8			16			24	
Nominal current, mA	140	540	700	280	480	770	260	460	700
Power, W	5	15	19	15	25	39	20	35	52
Luminous Flux, lm	555	1980	2480	2150	3575	5305	3000	5150	7290
Efficacy, lm/W	111	132	131	143	143	136	150	147	140
Power factor, PF	0,69	0,90	0,94	0,90	0,93	0,98	0,86	0,94	0,97

Luminaire efficacy	2700 K	5 - 75 W	476 - 6250 lm	95 - 130 lm/W
	3000 K	5 - 75 W	524 - 6873 lm	105 - 142 lm/W
	5000 K	5 - 75 W	555 - 7290 lm	111 - 150 lm/W
	5700 K	5 - 75 W	555 - 7290 lm	111 - 150 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		8			16			32			48	
Nominal current, mA	140	540	700	280	480	770	280	510	760	270	410	510
Power, W	5	15	19	15	25	39	28	50	75	40	60	75
Luminous Flux, lm	555	1980	2480	2150	3575	5305	4325	7370	10360	6320	9160	11150
Efficacy, lm/W	111	132	131	143	143	136	154	147	138	158	153	149
Power factor, PF	0,69	0,90	0,94	0,90	0,93	0,98	0,81	0,93	0,97	0,89	0,95	0,97

Luminaire efficacy	2700 K	5 - 75 W	476 - 9555 lm	95 - 135 lm/W
	3000 K	5 - 75 W	524 - 10510 lm	105 - 149 lm/W
	5000 K	5 - 75 W	555 - 11150 lm	111 - 158 lm/W
	5700 K	5 - 75 W	555 - 11150 lm	111 - 158 lm/W

ECO

* Data for L01 optic.

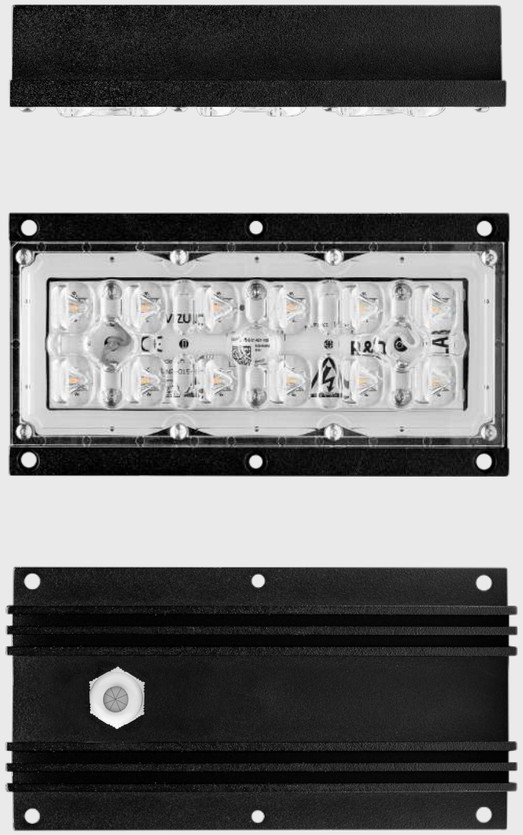
Check VIZULO members section for additional information

4000 K | CRI 70

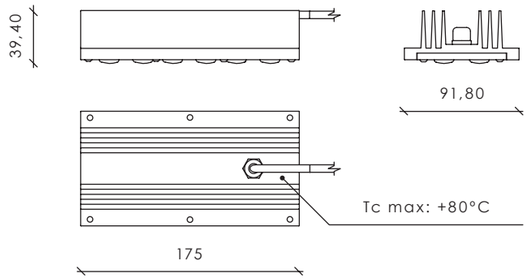
Number of LED's		8			16			24	
Nominal current, mA	280	490	700	280	490	715	270	400	500
Power, W	15	26	38	28	50	75	40	60	75
Luminous Flux, lm	2120	3470	4710	4215	6840	9260	6140	8620	10300
Efficacy, lm/W	141	133	124	151	137	123	154	144	137
Power factor, PF	0,83	0,94	0,98	0,95	0,93	0,97	0,89	0,95	0,97

Luminaire efficacy	2700 K	15 - 75 W	1990 - 9610 lm	116 - 144 lm/W
	3000 K	15 - 75 W	2120 - 10300 lm	124 - 154 lm/W
	5000 K	15 - 75 W	2120 - 10300 lm	124 - 154 lm/W
	5700 K	15 - 75 W	2120 - 10300 lm	124 - 154 lm/W

Woodpecker



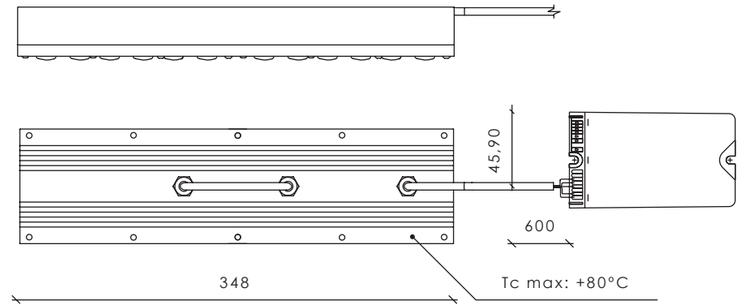
Small



RAL9005

Other colors
available on request

Large



*Max cable length 2m

Technical information

V	220 - 240
Hz	50 - 60
W	15 - 28 (small)
	20 - 52 (large)
lm	1845 - 7500 [1]
lm/W	119 - 155
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L90B10) at Ta = 25 °C [4]

Surge protection:	6 kV, 10 kV (optional) [5]
Intelligent light control system:	Radio frequency / Power line [6]
Console:	Side-entry / Hanging / Post top
Body:	Extruded aluminium

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] This value is only informative and may change according to selected article

[5] 10 kV (L-N; L/N-PE) surge protection device available on request

[6] Optional. Available only with DALI

[7] For LED module only

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Standard modules

* Data for L01 optic.
Check VIZULO members section for additional information

4000 K | CRI 70

	Small			*Large*		
Number of LED's		12			24	
Nominal current, mA	370	510	720	260	470	700
Power, W	15	20	28	20	35	52
Luminous Flux, lm	2150	2870	3890	3100	5300	7500
Efficacy, lm/W	143	144	139	155	151	144
Power factor, PF	0,90	0,95	0,95	0,86	0,94	0,97

Luminaire efficacy	2700 K	15 - 52 W	1845 - 6430 lm	119 - 133 lm/W
	3000 K	15 - 52 W	2030 - 7100 lm	131 - 146 lm/W
	5000 K	15 - 52 W	2150 - 7500 lm	139 - 155 lm/W
	5700 K	15 - 52 W	2150 - 7500 lm	139 - 155 lm/W

Model name principles

WP

Power [W]
015 ... 052

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values:
2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 6x2 - W01 ... W99
custom configuration - M01 ... N99

LED module type
12 LEDs, type 2x6 - R

LED quantity
004 ... 024

Color
black (RAL 9005) - CB
other colors available on request

Length [mm]
175 mm - 18
348 mm - 35

Dimming
non dimmable - N
DALI - D
midnight dimming - M
step dimming - S
mains dimming - L

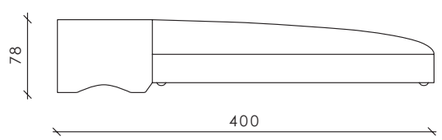
Surge protection
6 kV integrated in driver - G

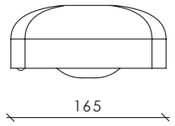
Insulation
class II - 2

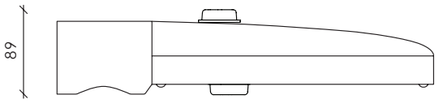
EXAMPLE WP 015 730 W99 R024 CB18 NG2

Colibri

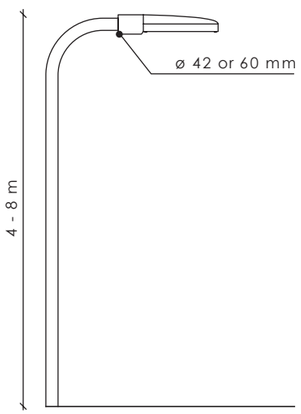




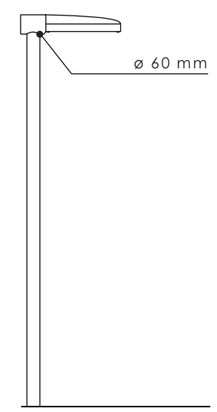




Configuration with 2 Zhaga connectors



side entry



post top

RAL9006 DB703 RAL9005 Other colors available on request

Technical information

V	220 - 240	1 - 10 V; DALI; Midnight dimming	
Hz	50 - 60	Warranty 5 years	
W	5 - 45	100 000 h (L80B10) at Ta = 25 °C	
lm	415 - 5530 [1]		
lm/W	83 - 134		
K	2700 / 3000 / 4000 [2]	*Surge protection:*	4 kV (10 kV optional)
°C	-40 to +50 (5 - 35 W version)	*Spigot:*	post top - ø 60 mm
	-40 to +35 (35 - 45 W version)		side entry - ø 42 or 60 mm
CRI	>70 / >80 [3]	*Socket:*	Zhaga / NEMA
		Body:	Die-cast aluminium
		Max. wind load area, SCd, m²:	0,025

[1] Lumen output indicated at 4000 K, CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Non-printed glass

[5] Coming soon

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles

F - Flood (flood light) | E - Eco

CL

Power 005 ... 045

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values: 2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 16 - S01 ... S99
custom configuration - M01 ... N99

LED module type
8 LEDs, type 2x2 lens - A
16 LEDs, type 8 lens - F

LED quantity
004 ... 016

Color
black (RAL 9005) - CB
silver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Console
side-entry, 42 ... 60 / post top, 60 mm - K
side-entry, 42 ... 60 mm - S
flood light - F

Dimming
non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
step dimming - S
mains dimming - L
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z
*custom configuration - X

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation
class I - 1
class II - 2

EXAMPLE CLE 040 730 L01 A008 CSK MG1

*** CUSTOM CONFIGURATION EXAMPLE**

NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's	4			6			8		
Nominal current, mA	270	500	730	190	480	880	140	540	700
Power, W	5	8	11	5	10	18	5	15	19
Luminous Flux, lm	480	850	1200	510	1340	2260	543	1935	2420
Efficacy, lm/W	96	106	109	102	134	126	109	129	127
Power factor, PF	0,83	0,89	0,93	0,69	0,91	0,93	0,69	0,90	0,94

Luminaire efficacy				
	2700 K	5 - 19 W	415 - 2000 lm	83 - 111 lm/W
	3000 K	5 - 19 W	456 - 2200 lm	92 - 122 lm/W
	5000 K	5 - 19 W	480 - 2420 lm	96 - 134 lm/W
	5700 K	5 - 19 W	480 - 2420 lm	96 - 134 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's	8			16		
Nominal current, mA	140	540	700	280	590	890
Power, W	5	15	19	15	30	45
Luminous Flux, lm	543	1935	2420	2010	3900	5530
Efficacy, lm/W	109	129	127	134	130	123
Power factor, PF	0,69	0,90	0,94	0,83	0,96	0,96

Luminaire efficacy				
	2700 K	5 - 45 W	465 - 4740 lm	93 - 115 lm/W
	3000 K	5 - 45 W	512 - 5210 lm	103 - 127 lm/W
	5000 K	5 - 45 W	543 - 5530 lm	109 - 134 lm/W
	5700 K	5 - 45 W	543 - 5530 lm	109 - 134 lm/W

ECO

* Data for L01 optic.

Check VIZULO members section for additional information

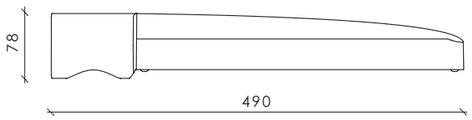
4000 K | CRI 70

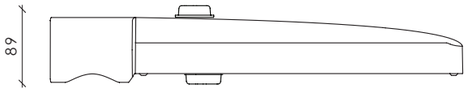
Number of LED's	4			6			8		
Nominal current, mA	140	520	670	290	490	680	280	470	710
Power, W	5	15	19	12	20	28	15	25	38
Luminous Flux, lm	560	1900	2325	1560	2442	3210	1980	3100	4040
Efficacy, lm/W	112	127	122	130	122	115	132	124	106
Power factor, PF	0,69	0,90	0,94	0,78	0,89	0,95	0,90	0,97	0,98

Luminaire efficacy				
	2700 K	5 - 38 W	526 - 3790 lm	105 - 124 lm/W
	3000 K	5 - 38 W	548 - 3935 lm	110 - 128 lm/W
	5000 K	5 - 38 W	560 - 4040 lm	112 - 132 lm/W
	5700 K	5 - 38 W	560 - 4040 lm	112 - 132 lm/W

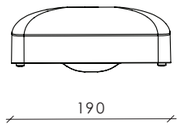
Colibri midi

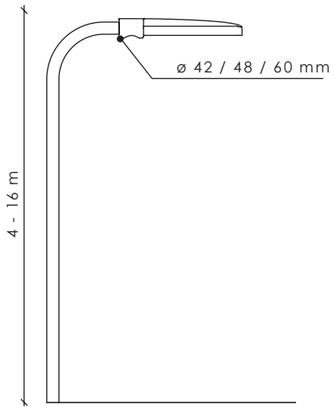




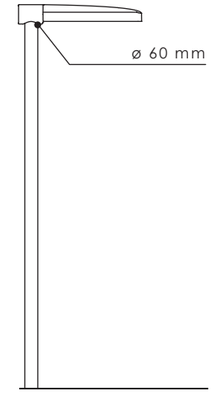


Configuration with 2 Zhaga connectors





side entry



post top

RAL9006 DB703 RAL9005 Other colors available on request

Technical information

V	220 - 240
Hz	50 - 60
W	5 - 87
lm	446 - 13100 [1]
lm/W	90 - 164
K	2700 / 3000 / 4000 [2]
°C	-40 to +50 (5 - 70 W)
	-40 to +35 (70 - 87 W)
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Warranty 5 years
100 000 h (L80B10) at Ta = 25 °C

Surge protection:	4 kV (10 kV optional)
Spigot:	post top - ø 60 mm
	side entry - ø 42 / ø 48 / ø 60 mm
Intelligent light control system:	Radio frequency [4]
Socket:	Zhaga / NEMA
Body:	Die-cast aluminium
Max. wind load area, SCd, m^2:	0,036

[1] Lumen output indicated at 4000 K, CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Optional. Available only with DALI ; 1 - 10 V

[5] Coming soon

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles

CLM — F - Flood (flood light) | E - Eco

Power 005 ... 087

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values:
2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 16 - S01 ... S99
custom configuration - M01 ... N99

LED module type
8 LEDs, type 2x2 lens - A
16 LEDs, type 8 lens - F

LED quantity
004 ... 048

Color
black (RAL 9005) - CB
silver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Console
side-entry, 42, 48, 60 / post top, 60 mm - K
side-entry, 42, 48, 60 mm - S
flood light - F

Dimming
non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
step dimming - S
mains dimming - L
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z
*custom configuration - X

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation
class I - 1
class II - 2

EXAMPLE CLM 020 730 L17 A008 CAK NG1

*** CUSTOM CONFIGURATION EXAMPLE**

NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		8			12			16			24	
Nominal current, mA	140	540	700	280	500	660	280	500	760	260	470	700
Power, W	5	15	19	12	20	26	15	25	39	20	35	52
Luminous Flux, lm	520	1840	2300	1530	2590	3300	2160	3560	5300	3060	5240	7400
Efficacy, lm/W	104	123	121	128	130	127	144	142	136	153	150	142
Power factor, PF	0,69	0,90	0,94	0,85	0,95	0,97	0,90	0,97	0,98	0,86	0,97	0,97

Luminaire efficacy	2700 K	5 - 52 W	446 - 6350 lm	90 - 131 lm/W
	3000 K	5 - 52 W	490 - 7000 lm	98 - 144 lm/W
	5000 K	5 - 52 W	520 - 7400 lm	104 - 153 lm/W
	5700 K	5 - 52 W	520 - 7400 lm	104 - 153 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		16			32			48	
Nominal current, mA	280	480	770	270	510	700	270	350	600
Power, W	15	25	39	27	50	68	39	50	87
Luminous Flux, lm	2010	3310	4920	4000	7111	9280	6400	8035	13100
Efficacy, lm/W	134	132	126	148	142	136	164	161	151
Power factor, PF	0,83	0,93	0,98	0,94	0,97	0,96	0,95	0,97	0,98

Luminaire efficacy	2700 K	15 - 87 W	1730 - 11210 lm	108 - 140 lm/W
	3000 K	15 - 87 W	1900 - 12320 lm	119 - 155 lm/W
	5000 K	15 - 87 W	2010 - 13100 lm	126 - 164 lm/W
	5700 K	15 - 87 W	2010 - 13100 lm	126 - 164 lm/W

ECO

* Data for L01 optic.

Check VIZULO members section for additional information

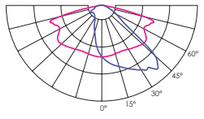
4000 K | CRI 70

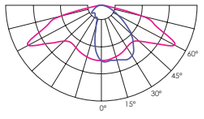
Number of LED's		8			12			16	
Nominal current, mA	280	470	700	280	450	700	280	490	710
Power, W	15	25	38	22	35	55	28	50	74
Luminous Flux, lm	1960	3120	4340	2980	4470	6300	4100	6460	8810
Efficacy, lm/W	131	125	114	135	128	115	146	129	119
Power factor, PF	0,90	0,97	0,98	0,87	0,97	0,98	0,95	0,93	0,97

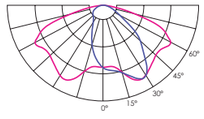
Luminaire efficacy	2700 K	5 - 74 W	1833 - 8255 lm	107 - 137 lm/W
	3000 K	5 - 74 W	1960 - 8600 lm	114 - 142 lm/W
	5000 K	5 - 74 W	1960 - 8810 lm	114 - 147 lm/W
	5700 K	5 - 74 W	1960 - 8810 lm	114 - 147 lm/W

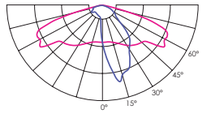
Optics street luminaires

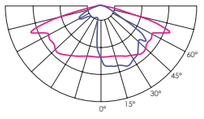
Standard modules *

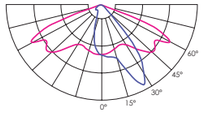
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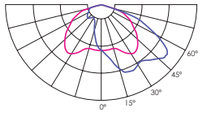
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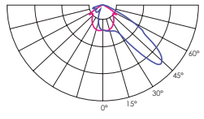
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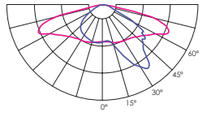
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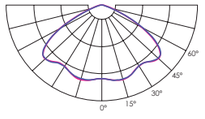
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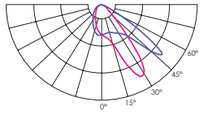
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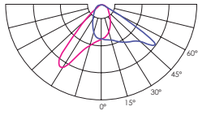
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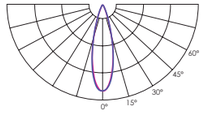
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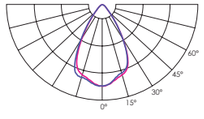
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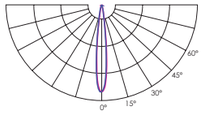
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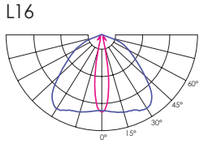
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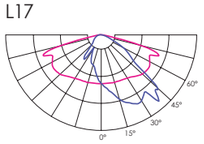
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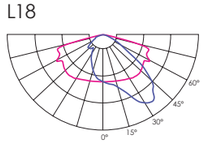
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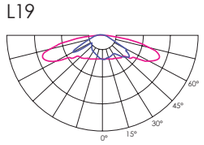
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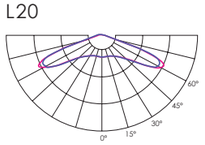
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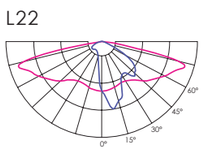
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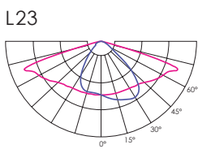
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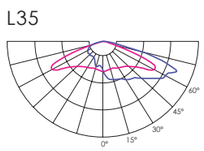
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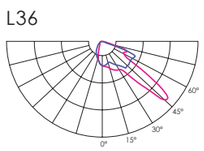
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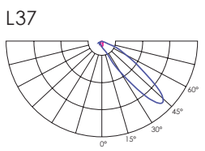
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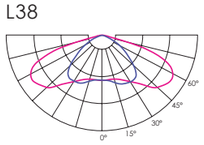
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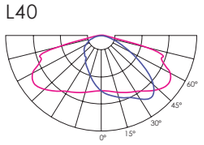
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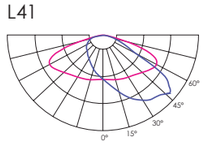
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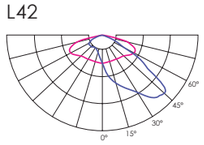
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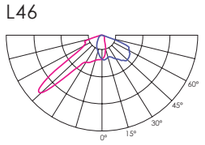
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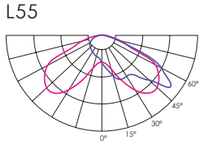
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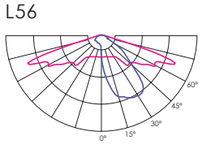
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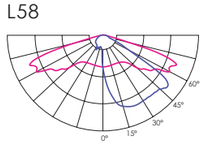
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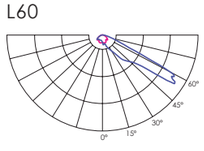
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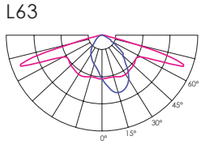
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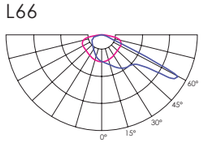
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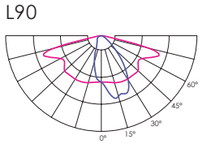
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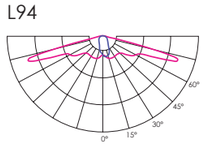
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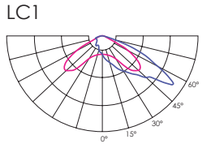
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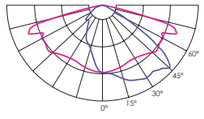
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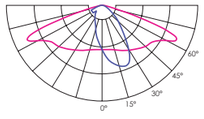
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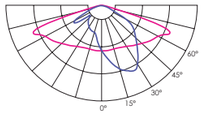
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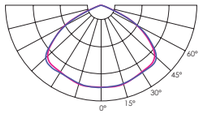
LC1


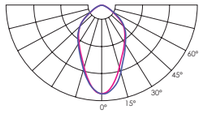
High density modules *

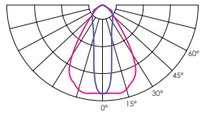
V01


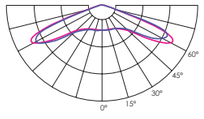
V04


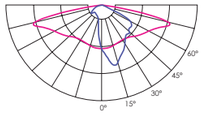
V05


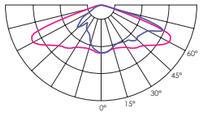
V10


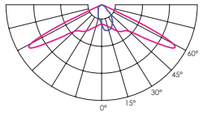
V13


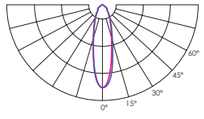
V16


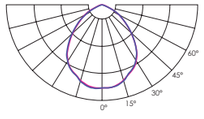
V20


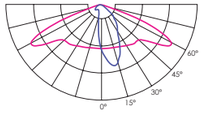
V22


V35


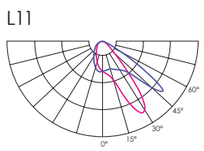
V45


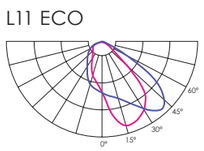
V52


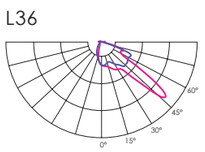
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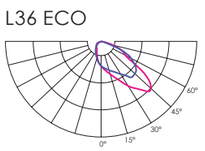
V57


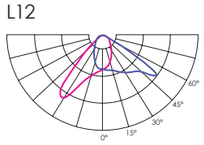
Pedestrian crossing optics

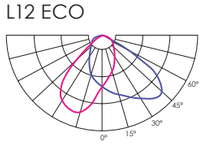
L11


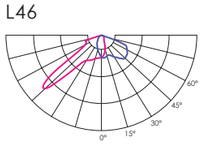
L11 ECO


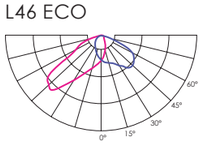
L36


L36 ECO


L12


L12 ECO


L46


L46 ECO


* Optic distribution diagrams are **only for visual purposes**.
Check VIZULO members section for precise information.

Mustang





RAL9006 DB703 RAL9005 Other colors available on request

Technical information

V	220 - 240
Hz	50 - 60
W	50 - 700
lm	29535 - 103320 [1]
lm/W	119 - 165
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L90B10) at Ta = 25 °C [4]

Surge protection:	6 kV (L-N) and 10 kV (L/N -PE without DALI connection) [5]
Intelligent light control system:	Radio frequency / Power line [6]
Console:	Side-entry / Hanging / Post top
Body:	Die-cast aluminium

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request; Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] 10 kV (L-N; L/N-PE) surge protection device available on request

[6] Optional. Available only with DALI ; 1 - 10 V

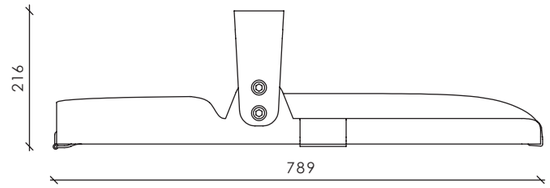
[7] Housing

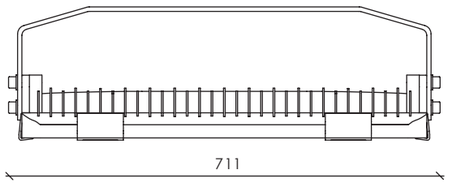
[8] Glass cover

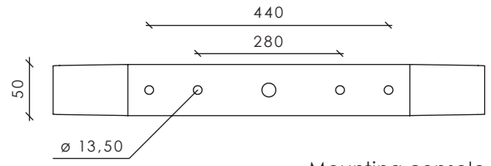
*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

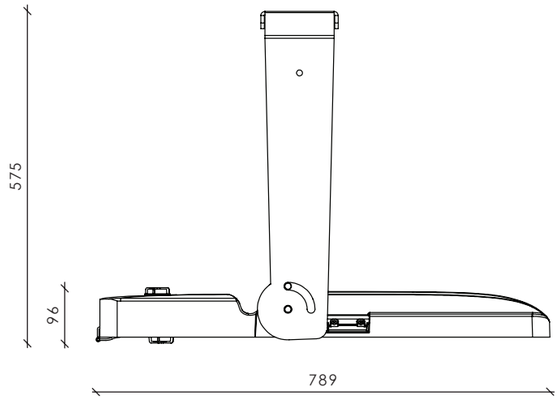
Dimensions



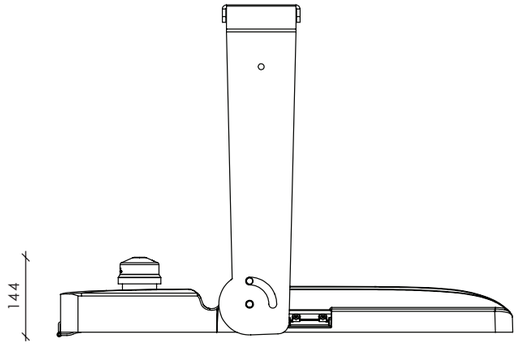




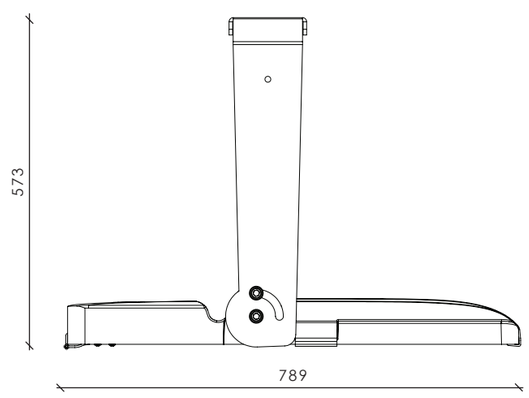
Mounting console

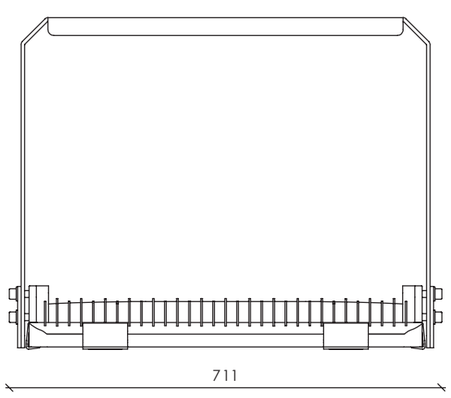


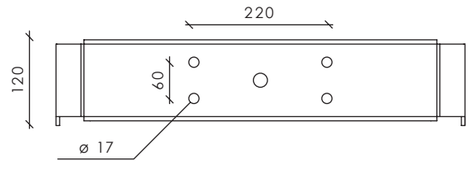
Dimensions with 2 Zhaga connectors



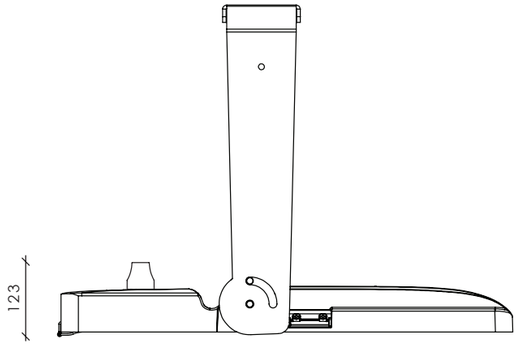
Dimensions with RF antenna







Mounting console



Dimensions with NEMA

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		352	
Nominal current, mA	160	480	670
Power, W	279	500	700
Luminous Flux, lm	45900	77900	103320
Efficacy, lm/W	165	156	148
Power factor, PF	0,89	0,96	0,98

Luminaire efficacy	2700 K	279 - 700 W	39330 - 88530 lm	127 - 141 lm/W
	3000 K	279 - 700 W	43260 - 97400 lm	139 - 155 lm/W
	5000 K	279 - 700 W	45900 - 103320 lm	148 - 165 lm/W
	5700 K	279 - 700 W	45900 - 103320 lm	148 - 165 lm/W

ECO

* Data for L01 optic.

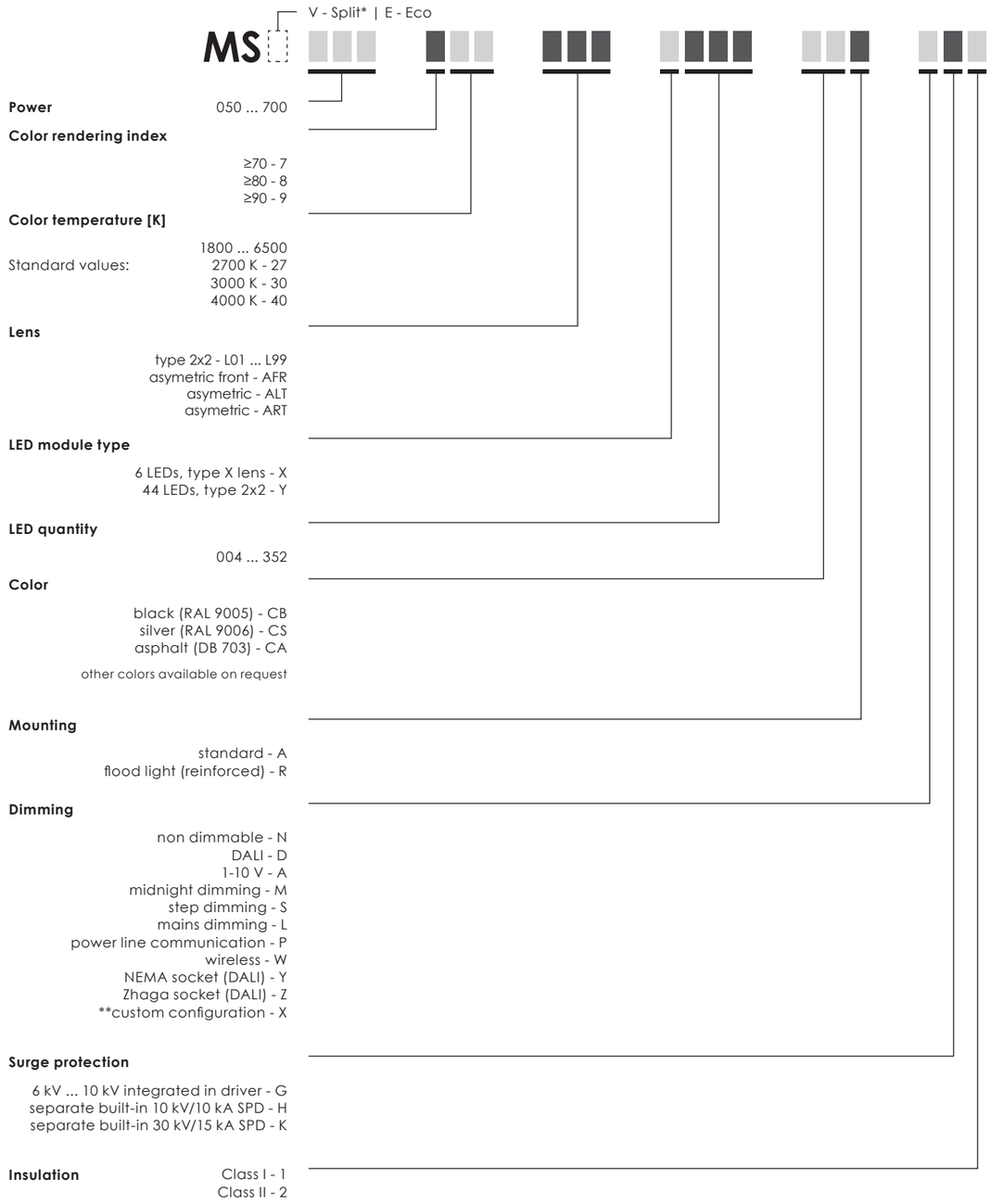
Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		132			176	
Nominal current, mA	270	490	710	270	460	630
Power, W	215	400	600	286	500	700
Luminous Flux, lm	31520	60600	75000	41800	65900	84230
Efficacy, lm/W	147	152	125	146	132	120
Power factor, PF	0,89	0,97	0,98	0,89	0,96	0,98

Luminaire efficacy	2700 K	215 - 700 W	29535 - 78930 lm	119 - 139 lm/W
	3000 K	215 - 700 W	30730 - 82125 lm	125 - 142 lm/W
	5000 K	215 - 700 W	31520 - 84230 lm	125 - 146 lm/W
	5700 K	215 - 700 W	31520 - 84230 lm	125 - 146 lm/W

Model name principles

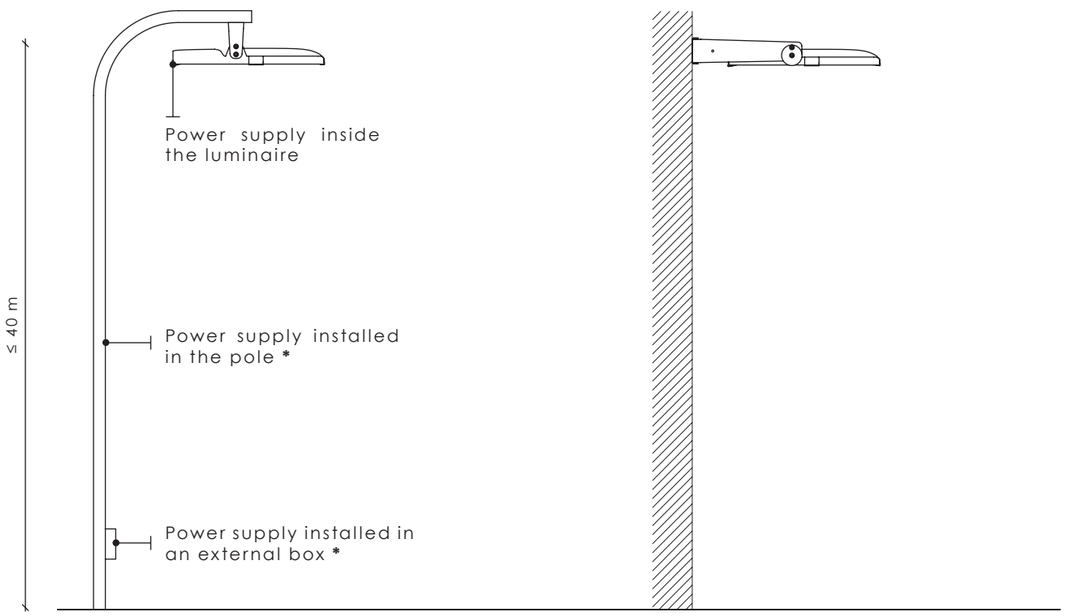


EXAMPLE MS 700 730 L01 Y352 SA DG1

* External driver

** CUSTOM CONFIGURATION EXAMPLE:
NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

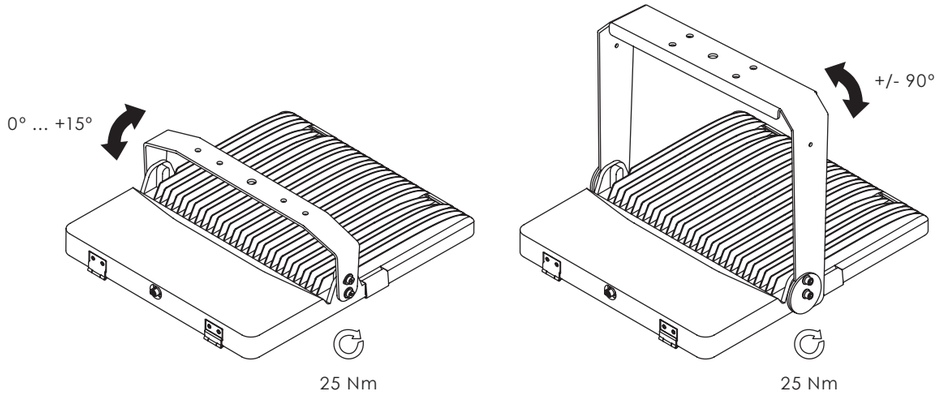
Console

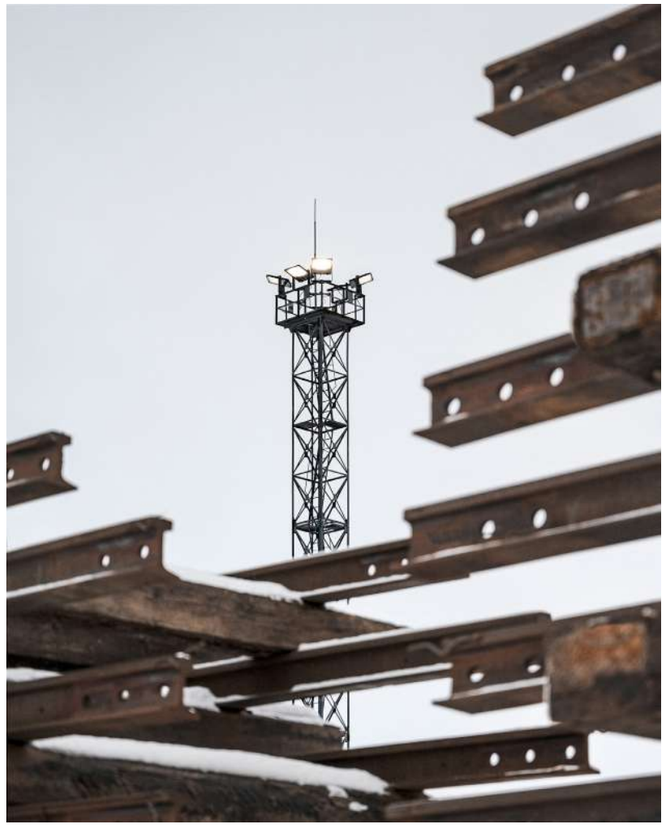


Max. cable length between drivers and luminaire/LED modules: **50 m**

Min. conductor cross section area: **1.5 mm²**

***** Luminaire to driver cable must be ordered from the accessories list





Kundzinsala | Latvia



Riga International Airport | Latvia

Eagle



1 head



2 heads



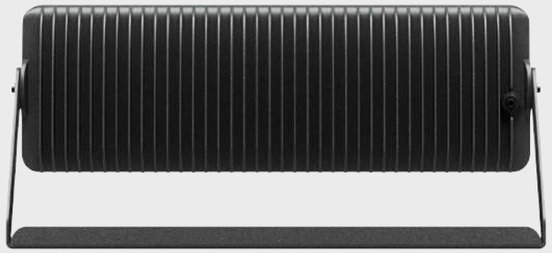
3 heads



4 heads

Eagle 1 head











RAL9006 DB703 RAL9005 Other colors available on request

Technical information

1 head
120 / 144 LED

V	220 - 240
Hz	50 - 60
W	110 - 520 (120 LED version)
	240 - 520 (144 LED version)
lm	39 320 - 65 725 [1]
lm/W	106 - 137
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; DMX
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
50 000 h (L90B10) at Ta = 25 °C

Flicker:	*IEEE 1789 Flicker Recommended Practice Compliant*
Surge protection:	10 kV
Console:	Floodlight
Body:	Die-cast aluminium
Neto weight:	Luminaire - 15,8 kg
	Driver box - 6,6 kg (120 LED version)
	Driver box - 3,5 kg (144 LED version)

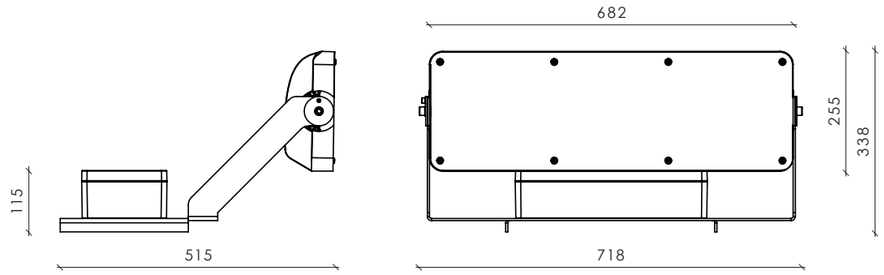
[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Amber option available

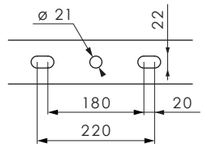
[3] Luminaries with color rendering index (CRI): Ra > 90 on request

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Dimensions



Mounting bracket



Wind load

SCx = 0.23 m²

Maximal wind load with driver box depending to the angle relative to the ground

	0°	15°	30°	45°	60°	75°	90°
SCx, m²	0,06	0,1	0,13	0,16	0,18	0,19	0,19

ECO

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		120			144	
Nominal current, mA	470	600	680	400	510	580
Power, W	350	450	520	350	450	520
Luminous Flux, lm	46500	53550	62910	48100	58820	65725
Efficacy, lm/W	133	119	121	137	131	126
Power factor, PF	0,96	0,97	0,98	0,91	0,94	0,96

Luminaire efficacy	2700 K	350 - 520 W	39320 - 55605 lm	106 - 116 lm/W
	3000 K	350 - 520 W	42900 - 60670 lm	116 - 127 lm/W
	5000 K	350 - 520 W	46500 - 65725 lm	119 - 137 lm/W
	5700 K	350 - 520 W	46500 - 65725 lm	119 - 137 lm/W

Eagle 2 heads









RAL9006 DB703 RAL9005

Other colors
available on request

Technical information

2 head
240 / 288 LED

IP66 IK10

V	220 - 240 (400 V on request)
Hz	50 - 60
W	220 - 1040 (240 LED version) 480 - 1040 (288 LED version)
lm	78 640 - 131 450 [1]
lm/W	106 - 137
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; DMX
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
50 000 h (L90B10) at Ta = 25 °C

Flicker:	*IEEE 1789 Flicker Recommended Practice Compliant*
Surge protection:	10 kV
Console:	Floodlight
Body:	Die-cast aluminium
Neto weight:	Luminaire - 24,3 kg Driver box - 7,4 kg (240 LED version) Driver box - 5,6 kg (288 LED version)

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

ECO

* Data for L01 optic.

Check VIZULO members section for additional information

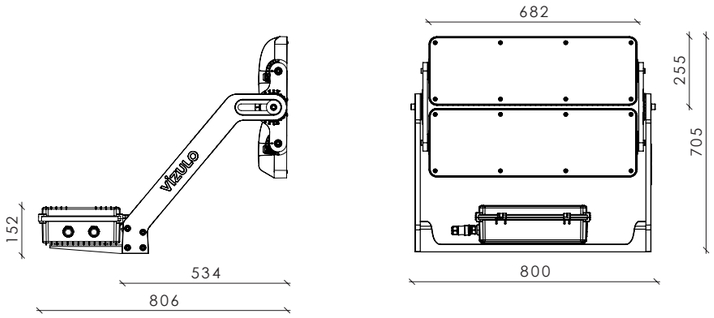
4000 K | CRI 70

Number of LED's		240			288	
Nominal current, mA	470	600	680	400	510	580
Power, W	700	900	1040	700	900	1040
Luminous Flux, lm	93000	107100	125820	96200	117640	131450
Efficacy, lm/W	133	119	121	137	131	126
Power factor, PF	0,96	0,97	0,98	0,91	0,94	0,96

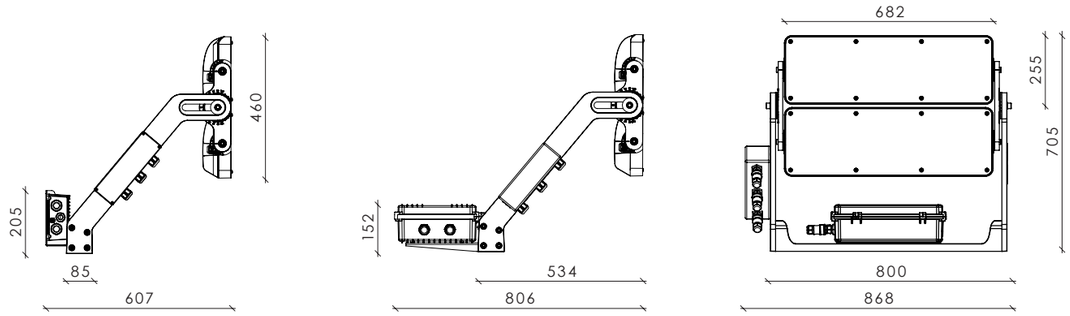
Luminaire efficacy	2700 K	700 - 1040 W	78640 - 111210 lm	106 - 116 lm/W
	3000 K	700 - 1040 W	85800 - 121340 lm	116 - 127 lm/W
	5000 K	700 - 1040 W	93000 - 131450 lm	119 - 137 lm/W
	5700 K	700 - 1040 W	93000 - 131450 lm	119 - 137 lm/W

Dimensions

Basic

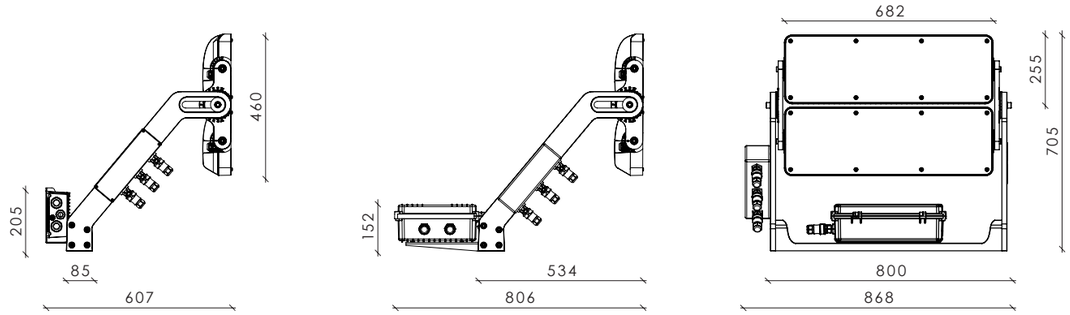


Standard



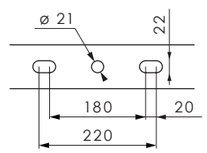
Dimensions with DELTA driver

Premium



Dimensions with DELTA driver

Mounting bracket



Wind load

SCx = 0.23 m²

Maximal wind load with driver box depending to the angle relative to the ground

	0°	15°	30°	45°	60°	75°	90°
SCx, m²	0,14	0,21	0,27	0,32	0,36	0,38	0,38

Eagle 3 heads









RAL9006 DB703 RAL9005 Other colors available on request

Technical information 3 head
360 / 432 LED

RoHS IP66 IK10

V	220 - 240 (400 V on request)	1 - 10 V; DALI; DMX	
Hz	50 - 60	Chromaticity tolerance (initial MacAdam): 5	
W	330 - 1560 (360 LED version)	Warranty 5 years	
	720 - 1560 (432 LED version)	50 000 h (L90B10) at Ta = 25 °C	
lm	117 960 - 197 175 [1]		
lm/W	106 - 137	*Flicker:*	*IEEE 1789 Flicker Recommended Practice Compliant*
K	2700 / 3000 / 4000 [2]	*Surge protection:*	10 kV
°C	-40 to +50	*Console:*	Floodlight
CRI	>70 / >80 [3]	*Body:*	Die-cast aluminium
		Neto weight:	Luminaire - 33,1 kg
			Driver box - 8,1 kg (360 LED version)
			Driver box - 5,6 kg (432 LED version)

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

ECO

* Data for L01 optic.

Check VIZULO members section for additional information

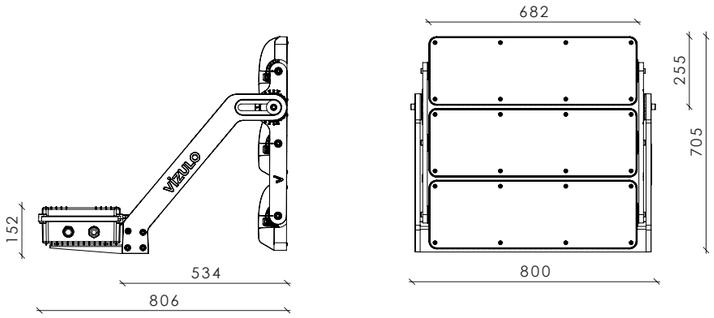
4000 K | CRI 70

Number of LED's		360			432	
Nominal current, mA	470	600	680	400	510	580
Power, W	1050	1350	1560	1050	1350	1560
Luminous Flux, lm	139500	160650	188730	144300	176460	197175
Efficacy, lm/W	133	119	121	137	131	126
Power factor, PF	0,96	0,97	0,98	0,91	0,94	0,96

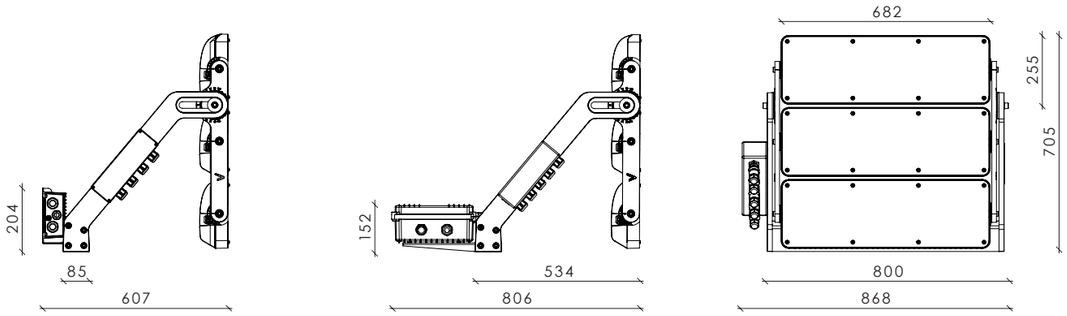
Luminaire efficacy	2700 K	350 - 520 W	117960 - 166815 lm	106 - 116 lm/W
	3000 K	350 - 520 W	128700 - 182010 lm	116 - 127 lm/W
	5000 K	350 - 520 W	139500 - 197175 lm	119 - 137 lm/W
	5700 K	350 - 520 W	139500 - 197175 lm	119 - 137 lm/W

Dimensions

Basic

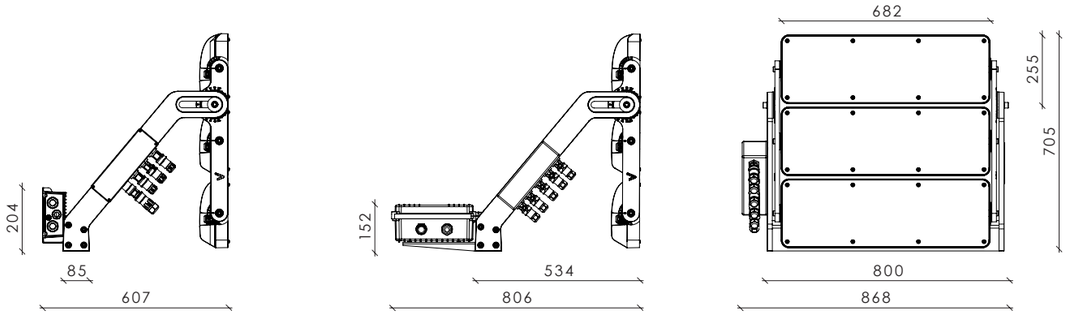


Standard



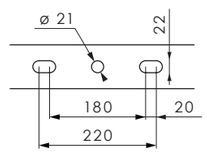
Dimensions with DELTA driver

Premium



Dimensions with DELTA driver

Mounting bracket



Wind load

SCx = 0.23 m²

Maximal wind load with driver box depending to the angle relative to the ground

	0°	15°	30°	45°	60°	75°	90°
SCx, m²	0,19	0,28	0,37	0,45	0,5	0,52	0,53

Eagle 4 heads









RAL9006 DB703 RAL9005

Other colors
available on request

Technical information

4 head
480 / 576 LED

IP66 IK10

V	220 - 240 (400 V on request)
Hz	50 - 60
W	440 - 2400 (480 LED version)
	960 - 2400 (576 LED version)
lm	157 280 - 262 900 [1]
lm/W	106 - 137
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; DMX
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
50 000 h (L90B10) at Ta = 25 °C

Flicker:	*IEEE 1789 Flicker Recommended Practice Compliant*
Surge protection:	10 kV
Console:	Floodlight
Body:	Die-cast aluminium
Neto weight:	Luminaire - 41,7 kg
	Driver box - 9,2 kg (480 LED version)
	Driver box - 11,2 kg (576 LED version)

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

ECO

* Data for L01 optic.

Check VIZULO members section for additional information

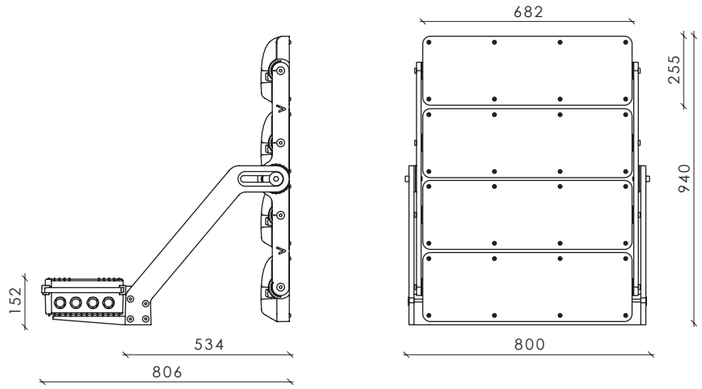
4000 K | CRI 70

Number of LED's		480			576	
Nominal current, mA	470	600	680	400	510	580
Power, W	1400	1800	2080	1400	1800	2080
Luminous Flux, lm	186000	214200	251640	192400	235280	262900
Efficacy, lm/W	133	119	121	137	131	126
Power factor, PF	0,96	0,97	0,98	0,91	0,94	0,96

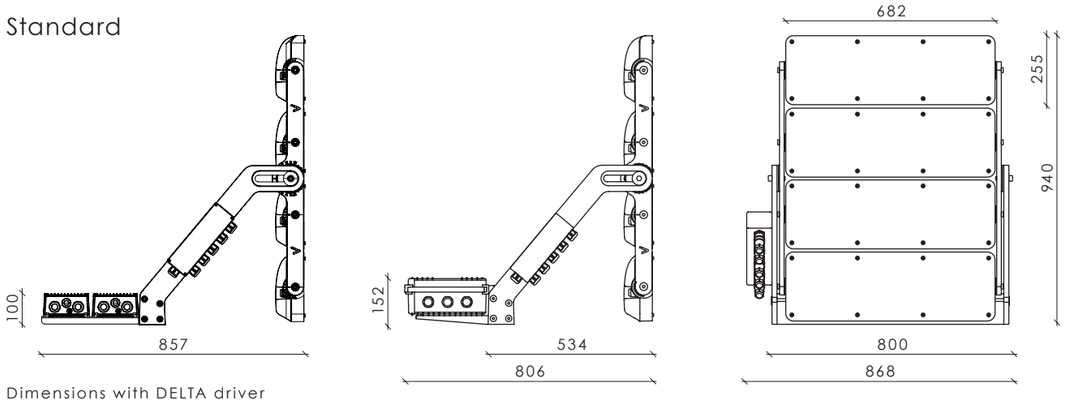
Luminaire efficacy	2700 K	350 - 520 W	157280 - 222420 lm	106 - 116 lm/W
	3000 K	350 - 520 W	171600 - 242680 lm	116 - 127 lm/W
	5000 K	350 - 520 W	186000 - 262900 lm	119 - 137 lm/W
	5700 K	350 - 520 W	186000 - 262900 lm	119 - 137 lm/W

Dimensions

Basic

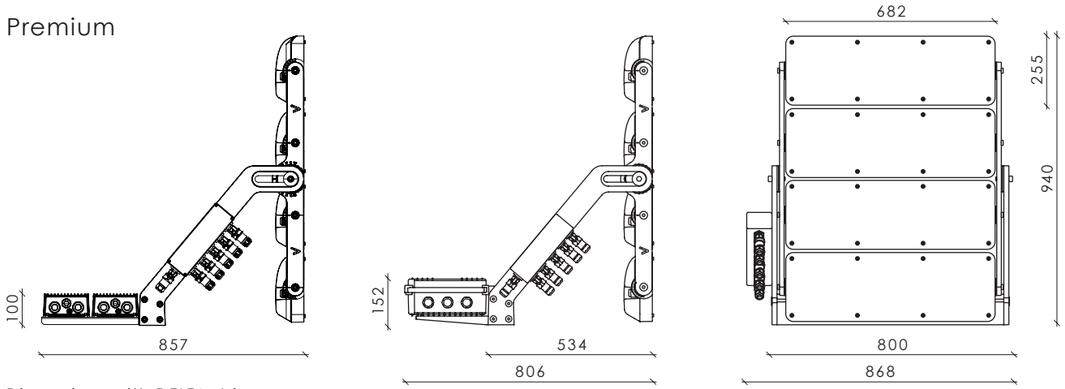


Standard



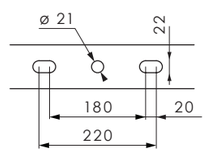
Dimensions with DELTA driver

Premium



Dimensions with DELTA driver

Mounting bracket



Wind load

SCx = 0.23 m²

Maximal wind load with driver box depending to the angle relative to the ground

	0°	15°	30°	45°	60°	75°	90°
SCx, m²	0,23	0,36	0,48	0,58	0,64	0,68	0,69

Model name principles

1 | 2 | 3 | 4*

B - Basic
P - Premium | V - Split** | E - Eco

EG [ ][ ][ ][



Stade Mathieu Bodmer, Evreux | France



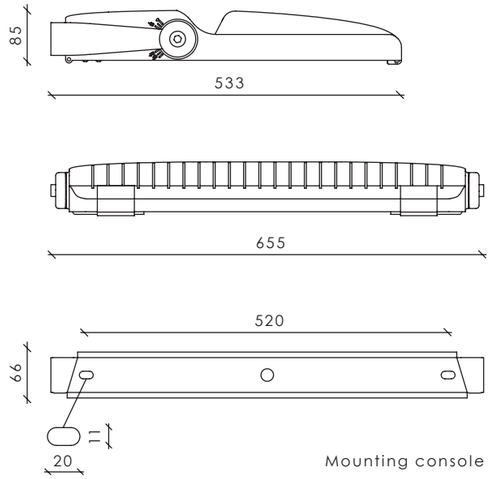
Beynes | France

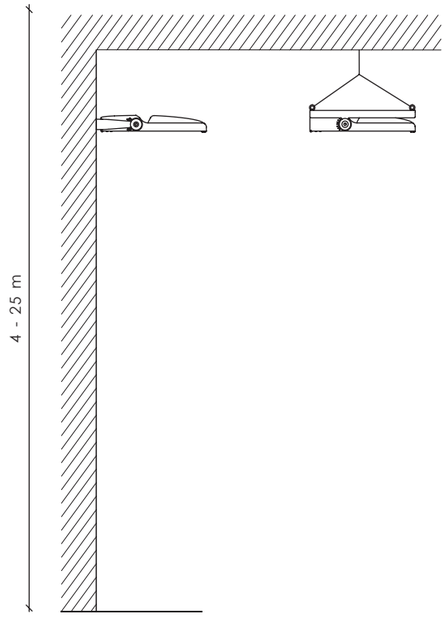
Owl

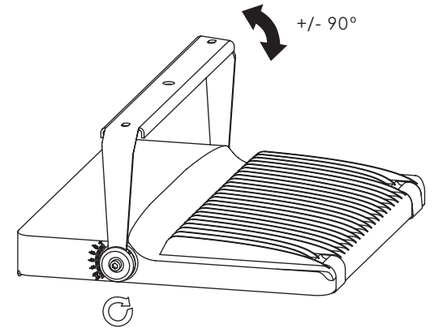


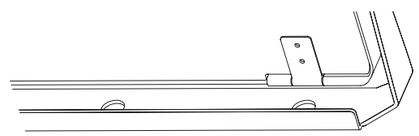












Strenghtened bracket

RAL9006 DB703 RAL9005 Other colors available on request

Technical information

V	220 - 240	1 - 10 V; DALI; Midnight dimming	
Hz	50 - 60	Chromaticity tolerance (initial MacAdam): 5	
W	85 - 380	Warranty 5 years	
lm	11640 - 55455 [1]	>100 000 h (L95B10) at Ta = 25 °C	
lm/W	112 - 172	100 000 h (L80B10C10) [4]	
K	2700 / 3000 / 4000 [2]		
°C	-40 to +50 (85 - 340 W version)		
	-40 to +45 (340 - 380 W version)	*Surge protection:*	3 kV; 6 kV; 10 kV (optional)
CRI	>70 / >80 [3]		10 kV (L/N -PE without DALI connection) [5]
		Intelligent light control system:	Radio frequency / Power line [6]
		Socket:	Zhaga / NEMA
		Body:	Die-cast aluminium
		Max. wind load area, SCd, m²:	0,047

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Tunable white option available (2700 - 6500 K);

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] 10 kV (L-N; L/N-PE) surge protection device available on request

[6] Optional. Available only with DALI ; 1 - 10 V

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles

OW E - Eco

Power
085 ... 380

Color rendering index
≥70 - 7
≥80 - 8
≥90 - 9

Color temperature [K]
1800 ... 6500
Standard values:
2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... L99
type 2x2 - V01 ... V99
custom configuration - M01 ... N99

LED module type
16 LEDs, type 2x2 lens - B
32 LEDs, type 8 lens - G

LED quantity
004 ... 192

Color
black (RAL 9005) - CB
silver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Mounting
flood light - F
high-bay - H
flood light (reinforced) - R

Dimming
non dimmable - N
DALI - D
1-10V - A
midnight dimming - M
step dimming - S
mains dimming - L
power line communication - P
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z
*custom configuration - X

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation
Class I - 1
Class II - 2
Class I with external driver - 4
Class II with external driver - 5

EXAMPLE OWE 085 730 L01 B048 CSF NG1

*** CUSTOM CONFIGURATION EXAMPLE**

NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		80			96			112	
Nominal current, mA	350	540	780	300	520	720	250	500	700
Power, W	85	130	190	85	150	211	90	180	242
Luminous Flux, lm	12800	18630	25500	14600	24225	32250	14650	27550	34800
Efficacy, lm/W	151	143	134	172	162	153	163	153	144
Power factor, PF	0,92	0,97	0,98	0,92	0,97	0,99	0,95	0,98	0,98

Number of LED's		128			144			160	
Nominal current, mA	270	520	740	260	510	780	270	580	790
Power, W	104	200	288	116	220	340	127	280	380
Luminous Flux, lm	15430	28100	38200	18675	33510	48050	21180	42920	55190
Efficacy, lm/W	148	141	133	161	152	141	167	153	145
Power factor, PF	0,87	0,96	0,98	0,86	0,96	0,98	0,96	0,97	0,98

Luminaire efficacy	2700 K	85 - 380 W	11640 - 47280 lm	112 - 147 lm/W
	3000 K	85 - 380 W	11640 - 52030 lm	124 - 162 lm/W
	5000 K	85 - 380 W	12800 - 55190 lm	131 - 172 lm/W
	5700 K	85 - 380 W	12800 - 55190 lm	131 - 172 lm/W



Courchevel | France

ECO

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		48			64			80			96	
Nominal current, mA	300	500	690	280	500	680	280	460	670	270	430	630
Power, W	85	150	211	107	200	280	130	230	340	156	250	380
Luminous Flux, lm	12805	20275	26200	17545	28655	36500	21440	33440	44355	24950	36500	50015
Efficacy, lm/W	151	135	124	164	143	130	165	145	130	160	146	132
Power factor, PF	0,92	0,97	0,99	0,97	0,96	0,98	0,97	0,96	0,98	0,90	0,96	0,98

Number of LED's		112			128			144			160	
Nominal current, mA	350	490	540	350	440	490	350	400	440	340	360	395
Power, W	240	340	380	270	340	380	300	340	380	320	340	380
Luminous Flux, lm	35900	47150	51280	40420	48240	52335	44240	49000	53530	48490	50915	55455
Efficacy, lm/W	150	139	135	150	142	138	147	144	141	152	150	146
Power factor, PF	0,93	0,97	0,97	0,97	0,98	0,98	0,98	0,98	0,98	0,98	0,98	0,98

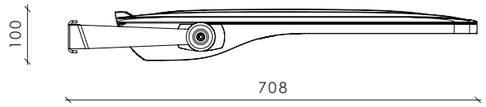
Luminaire efficacy	2700 K	85 - 380 W	12000 - 51950 lm	116 - 155 lm/W
	3000 K	85 - 380 W	12500 - 55455 lm	121 - 161 lm/W
	5000 K	85 - 380 W	12805 - 55455 lm	124 - 165 lm/W
	5700 K	85 - 380 W	12805 - 55455 lm	124 - 165 lm/W

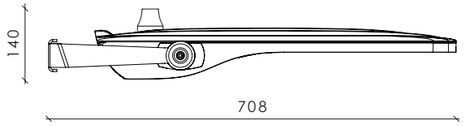


Blovice | Czechia

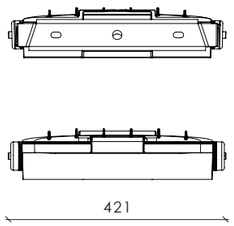
Stork floodlight

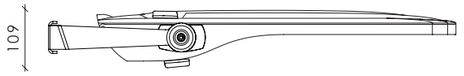




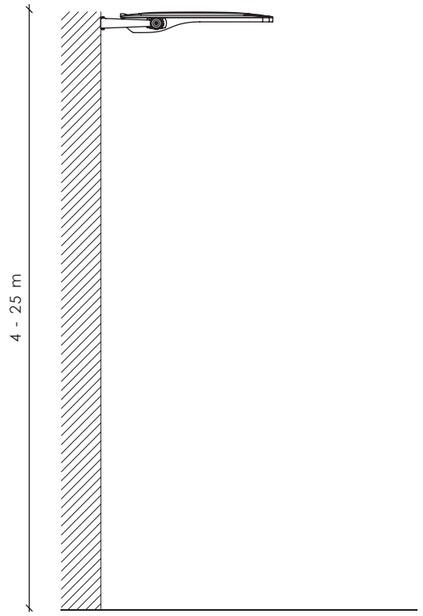


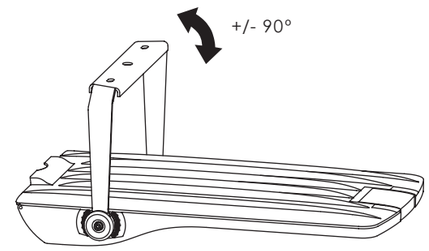
Dimensions with RF antenna





Dimensions with 2 Zhaga connectors





RAL9006 DB703 RAL9005

Other colors
available on request

Technical information

V	220 - 240
Hz	50 - 60
W	5 - 280
lm	555 - 41000 [1]
lm/W	110 - 161
K	2700 / 3000 / 4000 [2]
°C	-40 to +50 (up to 240 W)
	-40 to +35 (240 - 280 W)
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L80B10C10) [4]
100 000 h (L95B10C10) [5]

Surge protection:	3; 6; 10 kV (optional) [6]
Intelligent light control system:	Radio frequency / Power line [7]
Socket:	Zhaga / NEMA
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,047

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Tunable white option available (2700 - 6500 K);
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] Standard / High Density at Ta = 25 °C, this value is only informative and may change according to selected article

[6] 10 kV (L-N; L/N-PE) surge protection device available on request

[7] Optional. Available only with DALI ; 1 - 10 V

[8] Coming soon

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles

B - Basic | S - Smooth (finless) | E - Eco | F - Floodlight

SR [ ]

Power 005 ... 280

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values:
2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 6x1 - T01 ... T99
type 12 - Y01 ... Y99
custom configuration - M01 ... N99

LED module type
8 LEDs, type 2x2 lens - A
16 LEDs, type 2x2 lens - B
78 LEDs, type 6x1 lens - C
108 LEDs, type 6x1 lens - D
36 LEDs, type 6x1 lens - E
16 LEDs, type 8 lens - F
32 LEDs, type 8 lens - G
24 LEDs, type 12 lens - H

LED quantity 004 ... 160

Color
black (RAL 9005) - CB
silver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Console
post top / side-entry, ±15°, 60 mm - N
post top / side-entry, ±90°, 60 mm - R
post top / side-entry, ±90°, 76 mm - P
floodlight - F

Dimming
non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
step dimming - S
mains dimming - L
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z
*custom configuration - X

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation
class I - 1
class II - 2
class III - 3

EXAMPLE SRF 250 730 V01 G128 CSN DG1

*** CUSTOM CONFIGURATION EXAMPLE**

NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		16			32			48	
Nominal current, mA	280	500	760	280	500	750	270	500	690
Power, W	15	26	39	28	50	75	40	75	102
Luminous Flux, lm	2180	3600	5300	4500	7550	10650	6360	11000	14800
Efficacy, lm/W	145	138	136	161	151	142	159	147	145
Power factor, PF	0,83	0,94	0,98	0,81	0,93	0,97	0,89	0,93	0,96

Number of LED's		64			80	
Nominal current, mA	250	500	700	250	500	780
Power, W	50	98	137	60	120	190
Luminous Flux, lm	8000	15000	19800	9650	18200	26600
Efficacy, lm/W	160	153	145	161	152	140
Power factor, PF	0,84	0,96	0,98	0,86	0,96	0,98

Luminaire efficacy				
	2700 K	15 - 190 W	1850 - 23000 lm	117 - 140 lm/W
	3000 K	15 - 190 W	2000 - 25000 lm	128 - 152 lm/W
	5000 K	15 - 190 W	2180 - 26600 lm	136 - 161 lm/W
	5700 K	15 - 190 W	2180 - 26600 lm	136 - 161 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		32			48			64			80	
Nominal current, mA	280	500	750	270	500	690	250	500	700	250	500	780
Power, W	28	50	75	40	75	102	50	98	137	60	120	190
Luminous Flux, lm	4300	7400	10110	6300	11200	14500	7600	14000	18850	9600	18200	26600
Efficacy, lm/W	154	148	135	158	149	142	152	143	138	160	152	140
Power factor, PF	0,81	0,93	0,97	0,89	0,92	0,96	0,84	0,96	0,98	0,86	0,96	0,98

Number of LED's		96			128			160	
Nominal current, mA	260	500	710	260	500	720	260	500	610
Power, W	75	145	205	102	195	280	120	200	280
Luminous Flux, lm	11600	21000	28000	16000	29000	39300	19000	30500	41000
Efficacy, lm/W	155	145	137	157	149	140	158	153	146
Power factor, PF	0,90	0,97	0,98	0,85	0,96	0,98	0,86	0,96	0,98

Luminaire efficacy				
	2700 K	28 - 280 W	3600 - 35000 lm	116 - 138 lm/W
	3000 K	28 - 280 W	3900 - 39000 lm	129 - 152 lm/W
	5000 K	28 - 280 W	4300 - 41000 lm	137 - 161 lm/W
	5700 K	28 - 280 W	4300 - 41000 lm	137 - 161 lm/W

ECO

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		8			16			24			32	
Nominal current, mA	220	470	700	280	490	700	270	500	700	250	500	700
Power, W	12	25	38	28	50	74	40	75	110	50	100	144
Luminous Flux, lm	1670	3300	4600	4100	6700	9100	6000	9700	13500	7500	13300	17500
Efficacy, lm/W	139	132	121	146	134	123	150	129	123	150	133	122
Power factor, PF	0,78	0,93	0,98	0,81	0,93	0,97	0,89	0,97	0,97	0,84	0,96	0,98

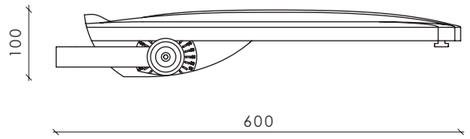
Number of LED's		48			64			80	
Nominal current, mA	270	500	700	270	500	680	270	500	560
Power, W	78	150	211	107	200	280	130	250	280
Luminous Flux, lm	12000	20000	25500	15700	25300	32100	19400	32700	35600
Efficacy, lm/W	154	133	121	147	127	115	149	131	127
Power factor, PF	0,97	0,97	0,99	0,95	0,96	0,98	0,88	0,97	0,97

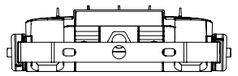
Luminaire efficacy				
	2700 K	12 - 280 W	1560 - 33300 lm	108 - 142 lm/W
	3000 K	12 - 280 W	1620 - 34600 lm	112 - 148 lm/W
	5000 K	12 - 280 W	1670 - 35600 lm	115 - 154 lm/W
	5700 K	12 - 280 W	1670 - 35600 lm	115 - 154 lm/W

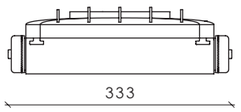
Stork little brother floodlight

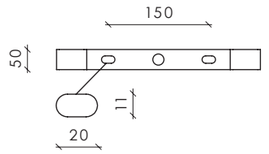


RAL9006 DB703 RAL9005 Other colors available on request

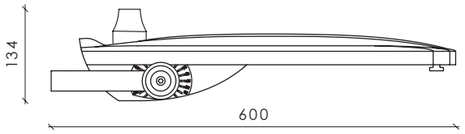




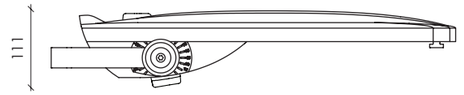




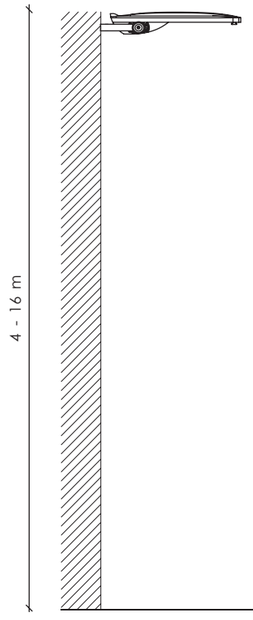
Mounting console

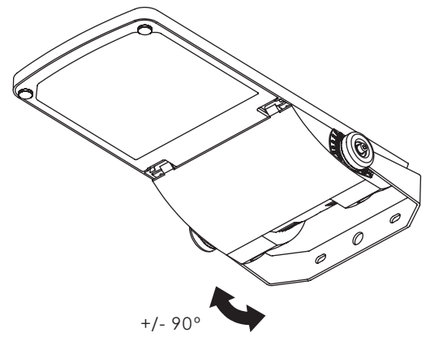


Dimensions with RF antenna



Dimensions with 2 Zhaga connectors





Technical information

V	200 - 240
Hz	50 - 60
W	5 - 178
lm	487 - 26000 [1]
lm/W	98 - 161
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L80B10C10) [4]
100 000 h (L95B10C10) [5]

Surge protection:	3; 6; 10 kV (optional) [6]
Intelligent light control system:	Radio frequency / Power line [7]
Socket:	Zhaga / NEMA
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,04

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Tunable white option available (2700 - 6500 K);
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] Standard / High Density at Ta = 25 °C, this value is only informative and may change according to selected article

[6] 10 kV (L-N; L/N-PE) surge protection device available on request

[7] Optional. Available only with DALI ; 1 - 10 V

[8] Check SundaHus web page for product assessment results

[9] Coming soon

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles

B - Basic | F - Flood (flood light) | S - Smooth (finless) | E - Eco

SRL [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Power 005 ... 178

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values:
2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 6x1 - T01 ... T99
type 12 - Y01 ... Y99
type 1 - Z01 ... Z99
custom configuration - M01 ... N99

LED module type
8 LEDs, type 2x2 lens - A
16 LEDs, type 2x2 lens - B
36 LEDs, type 6x1 lens - E
16 LEDs, type 8 lens - F
32 LEDs, type 8 lens - G
24 LEDs, type 12 lens - H
4 LEDs, type 1 lens - P

LED quantity 004 ... 128

Color
black (RAL 9005) - CB
silver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Console
post top / side-entry, ±15°, 60 mm - N
post top / side-entry, ±90°, 60 mm - R
post top / side-entry, ±90°, 76 mm - P
flood light - F

Dimming
non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
step dimming - S
mains dimming - L
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z
*custom configuration - X

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation
class I - 1
class II - 2
class III - 3

EXAMPLE SRLF 005 730 L01 A004 CSN NG1

*** CUSTOM CONFIGURATION EXAMPLE**

NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		8			16			32	
Nominal current, mA	140	500	700	280	500	760	280	500	750
Power, W	5	14	19	15	26	39	28	50	75
Luminous Flux, lm	570	1900	2540	2180	3600	5300	4500	7550	10650
Efficacy, lm/W	114	136	134	145	138	136	161	151	142
Power factor, PF	0,69	0,89	0,94	0,83	0,94	0,98	0,81	0,93	0,97

Number of LED's		48			64	
Nominal current, mA	270	500	690	250	500	700
Power, W	40	75	102	50	98	137
Luminous Flux, lm	6360	11000	14800	8000	15000	19800
Efficacy, lm/W	159	147	145	160	153	145
Power factor, PF	0,89	0,93	0,96	0,84	0,96	0,98

Luminaire efficacy				
	2700 K	5 - 137 W	487 - 17000 lm	98 - 140 lm/W
	3000 K	5 - 137 W	540 - 18500 lm	108 - 152 lm/W
	5000 K	5 - 137 W	570 - 19800 lm	114 - 161 lm/W
	5700 K	5 - 137 W	570 - 19800 lm	114 - 161 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		24			32			48			64	
Nominal current, mA	270	500	780	280	500	750	270	500	690	250	500	700
Power, W	21	38	59	28	50	75	40	75	102	50	98	137
Luminous Flux, lm	3100	5500	8000	4300	7400	10110	6300	11200	14500	7600	14000	18850
Efficacy, lm/W	148	145	136	154	148	135	158	149	142	152	143	138
Power factor, PF	0,87	0,95	0,98	0,81	0,93	0,97	0,89	0,92	0,96	0,84	0,96	0,98

Number of LED's		80			96			128	
Nominal current, mA	270	500	710	270	500	740	270	370	480
Power, W	64	120	170	76	120	178	102	140	178
Luminous Flux, lm	10000	17800	24000	12000	17700	25000	16000	21000	26000
Efficacy, lm/W	156	148	141	158	148	140	157	150	146
Power factor, PF	0,87	0,96	0,98	0,90	0,96	0,98	0,85	0,97	0,98

Luminaire efficacy				
	2700 K	21 - 178 W	2700 - 10000 lm	119 - 138 lm/W
	3000 K	21 - 178 W	2970 - 11000 lm	129 - 152 lm/W
	5000 K	21 - 178 W	3100 - 26000 lm	136 - 158 lm/W
	5700 K	21 - 178 W	3100 - 26000 lm	136 - 158 lm/W

ECO

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		8			16			24			32	
Nominal current, mA	280	490	700	280	490	700	270	500	700	250	500	700
Power, W	15	26	38	28	50	74	40	75	110	50	100	144
Luminous Flux, lm	2100	3400	4730	4100	6700	9100	6000	9700	13500	7500	13300	17500
Efficacy, lm/W	140	131	124	146	134	123	150	129	123	150	133	122
Power factor, PF	0,83	0,94	0,98	0,81	0,93	0,97	0,89	0,97	0,97	0,84	0,96	0,98

Number of LED's		36			48			64	
Nominal current, mA	270	500	700	270	500	680	270	390	460
Power, W	60	110	160	78	150	178	107	150	178
Luminous Flux, lm	9500	15500	20000	11000	19500	22000	16500	21600	25000
Efficacy, lm/W	158	141	125	141	130	124	154	144	140
Power factor, PF	0,95	0,95	0,98	0,93	0,97	0,99	0,97	0,97	0,98

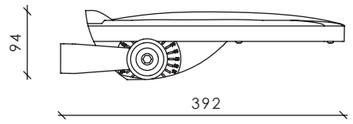
Luminaire efficacy				
	2700 K	15 - 178 W	1960 - 23100 lm	115 - 148 lm/W
	3000 K	15 - 178 W	2040 - 24600 lm	121 - 154 lm/W
	5000 K	15 - 178 W	2100 - 25000 lm	122 - 158 lm/W
	5700 K	15 - 178 W	2100 - 25000 lm	122 - 158 lm/W

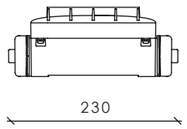
Stork little sister floodlight

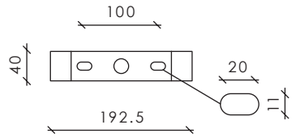




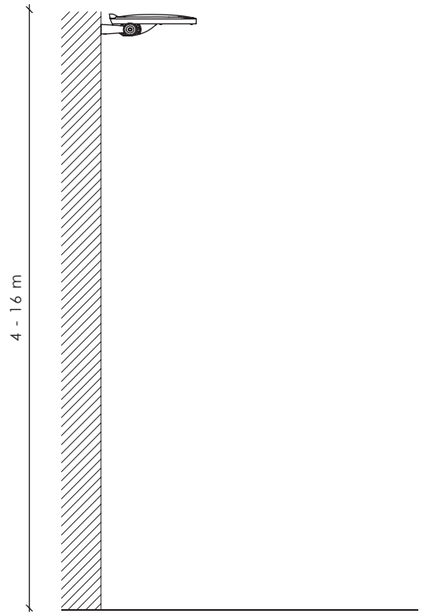








Mounting console



RAL9006 DB703 RAL9005

Other colors
available on request

Technical information

V	198 - 264
Hz	50 - 60
W	5 - 80
lm	430 - 10500 [1]
lm/W	86 - 150
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L90B10C10) [4]
100 000 h (L95B10C10) [5]

Surge protection:	6; 10 kV (optional) [6]
Intelligent light control system:	Radio frequency / Power line [7]
Socket:	Zhaga / NEMA (configurations with Zhaga socket up to 65 W)
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,033

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request

Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] Standard / High Density at Ta = 25 °C, this value is only informative and may change according to selected article

[6] 10 kV (L-N; L/N-PE) surge protection device available on request

[7] Optional. Available only with DALI ; 1 - 10 V

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles

F - Flood (flood light) | S - Smooth (finless) | E - Eco

SRU [ ]

Power 005 ... 080

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values: 2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 1 - Z01 ... Z99
custom configuration - M01 ... N99

LED module type
8 LEDs, type 2x2 lens - AA
16 LEDs, type 8 lens - AF
32 LEDs, type 16 lens - AQ
32 LEDs, type 2x2 lens - AS
2 LEDs, type 1 lens - AP

LED quantity 004 ... 032

Color
black (RAL 9005) - CB
silver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Console
*side-entry / post top, 60 mm - N
side-entry / post top, ±90°, 60 mm - R
side-entry / post top, ±90°, 76 mm - P
flood light - F

Dimming
non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
midnight dimming (DALI) - R
step dimming - S
mains dimming - L
power line communication - P
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z
**custom configuration - X

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation
class I - 1
class II - 2

EXAMPLE SRUF 080 730 L01 AA016 CSN NG1

**Console regulation range - side entry: +15° ... -25° | post top: +40° ... -5°*

** CUSTOM CONFIGURATION EXAMPLE:
NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		4			8			16	
Nominal current, mA	270	500	730	140	500	700	280	490	770
Power, W	5	8	11	5	15	19	15	25	39
Luminous Flux, lm	500	890	1250	560	1900	2500	2150	3500	5300
Efficacy, lm/W	100	111	114	112	127	132	143	140	136
Power factor, PF	0,83	0,89	0,93	0,70	0,89	0,94	0,90	0,97	0,98

Luminaire efficacy	2700 K	5 - 39 W	430 - 4400 lm	86 - 119 lm/W
	3000 K	5 - 39 W	470 - 4800 lm	94 - 130 lm/W
	5000 K	5 - 39 W	500 - 5300 lm	100 - 143 lm/W
	5700 K	5 - 39 W	500 - 5300 lm	100 - 143 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		16			32	
Nominal current, mA	280	490	770	270	500	810
Power, W	15	25	39	27	50	80
Luminous Flux, lm	2150	3500	5300	4000	7100	10500
Efficacy, lm/W	143	140	136	148	142	131
Power factor, PF	0,90	0,97	0,98	0,94	0,93	0,97

Luminaire efficacy	2700 K	15 - 80 W	1820 - 8900 lm	113 - 127 lm/W
	3000 K	15 - 80 W	2000 - 9900 lm	126 - 141 lm/W
	5000 K	15 - 80 W	2150 - 10500 lm	131 - 148 lm/W
	5700 K	15 - 80 W	2150 - 10500 lm	131 - 148 lm/W

ECO

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		4			8			12			16	
Nominal current, mA	140	490	670	280	500	710	280	500	710	280	500	710
Power, W	5	14	19	15	26	38	22	39	56	28	50	74
Luminous Flux, lm	550	1600	2200	2200	3700	5100	3100	5100	6600	4200	7100	9600
Efficacy, lm/W	110	114	116	147	142	134	141	131	118	150	142	130
Power factor, PF	0,69	0,89	0,94	0,90	0,97	0,98	0,91	0,95	0,98	0,95	0,97	0,98

Luminaire efficacy	2700 K	5 - 74 W	500 - 9000 lm	100 - 143 lm/W
	3000 K	5 - 74 W	540 - 9300 lm	108 - 146 lm/W
	5000 K	5 - 74 W	550 - 9600 lm	110 - 150 lm/W
	5700 K	5 - 74 W	550 - 9600 lm	110 - 150 lm/W

Mini martin floodlight



with fins



smooth



tool-less



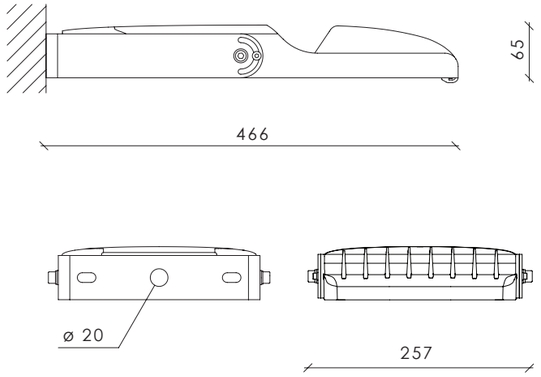
tool-less
smooth

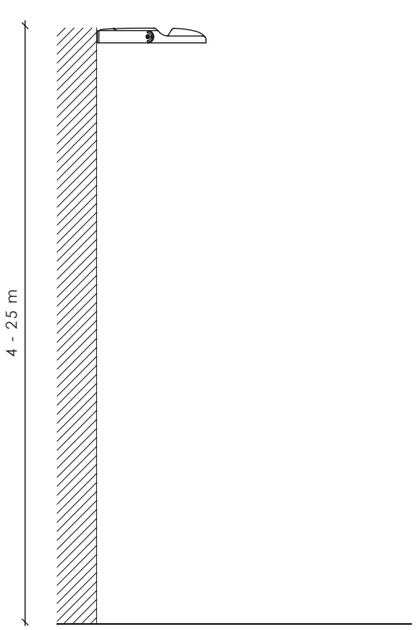
Mini martin floodlight with fins

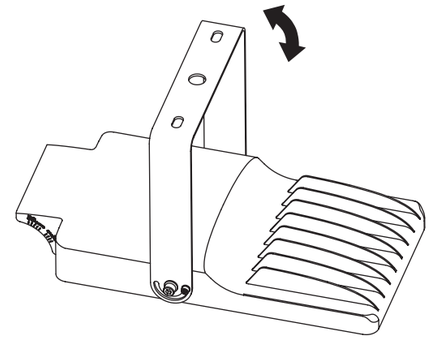












RAL9006 DB703 RAL9005 Other colors available on request

Technical information

IP66 IK08 IK09[9] IK10[10]

V	198 - 264
Hz	50 - 60
W	5 - 110
lm	446 - 16000 [1]
lm/W	90 - 160
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L80B10C10) [4]
100 000 h (L95B10C10) [5]

Surge protection:	3; 6; 10 kV (optional) [6]
Intelligent light control system:	Radio frequency [7]
Socket:	Zhaga / NEMA
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,036

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] Standard / High Density at Ta = 25 °C, this value is only informative and may change according to selected article

[6] 10 kV (L-N; L/N-PE) surge protection device available on request

[7] Optional. Available only with DALI ; 1 - 10 V

[8] Check SundaHus web page for product assessment results

[9] IK09 - screw version with tempered unprinted glass

[10] Coming soon

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles

F - Flood (flood light) | S - Smooth (finless) | T - Tool-less | E - Eco

MRS [ ]

Power 005 ... 110

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values:
2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 6x1 - T01 ... T99
type 12 - Y01 ... Y99
type 1 - Z01 ... Z99
custom configuration - M01 ... N99

LED module type
8 LEDs, type 2x2 lens - AA
36 LEDs, type 6x1 lens - AE
16 LEDs, type 8 lens - AF
4 LEDs, type 1 lens - AP

LED quantity 004 ... 048

Color
black (RAL 9005) - CB
silver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Console
post top / side-entry, ±15°, 60 mm - N
post top / side-entry, ±90°, 60 mm - R
post top / side-entry, ±90°, 76 mm - P
flood light - F

Dimming
non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
step dimming - S
mains dimming - L
power line communication - P
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z
*custom configuration - X

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation
class I - 1
class II - 2
class III - 3

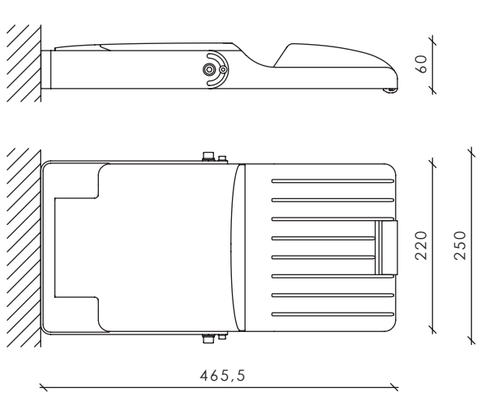
EXAMPLE MRSF 050 740 L01 AA024 CSN DG1

*** CUSTOM CONFIGURATION EXAMPLE**

NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Mini martin floodlight tool-less





RAL9006

DB703

RAL9005

Other colors
available on request

Technical information

IP66 IK08 IK09[9]

V	198 - 264
Hz	50 - 60
W	5 - 110
lm	446 - 16000 [1]
lm/W	90 - 160
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L80B10C10) [4]
100 000 h (L95B10C10) [5]

Surge protection:	3; 6; 10 kV (optional) [6]
Intelligent light control system:	Radio frequency [7]
Socket:	Zhaga / NEMA
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,036

[1] Lumen output indicated at CRI > 70
[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request
Amber option available
[3] Luminaries with color rendering index (CRI): Ra > 90 on request
[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*
[5] Standard / High Density at Ta = 25 °C, this value is only informative and may change according to selected article
[6] 10 kV (L-N; L/N-PE) surge protection device available on request
[7] Optional. Available only with DALI ; 1 - 10 V
[8] Check SundaHus web page for product assessment results
[9] IK09 - screw version with tempered unprinted glass
[10] Coming soon

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		4			8			12	
Nominal current, mA	270	500	730	140	540	700	280	500	670
Power, W	5	8	11	5	15	19	12	20	26
Luminous Flux, lm	520	920	1300	560	2000	2500	1650	2800	3550
Efficacy, lm/W	104	115	118	112	133	132	138	140	137
Power factor, PF	0,83	0,89	0,93	0,69	0,90	0,94	0,85	0,95	0,97

Number of LED's		16			24	
Nominal current, mA	280	500	680	260	470	700
Power, W	15	25	35	20	35	52
Luminous Flux, lm	2150	3630	5000	3060	5300	7300
Efficacy, lm/W	143	145	143	153	151	140
Power factor, PF	0,90	0,97	0,97	0,86	0,94	0,97

Luminaire efficacy	2700 K	5 - 52 W	446 - 6300 lm	90 - 130 lm/W
	3000 K	5 - 52 W	490 - 6900 lm	98 - 142 lm/W
	5000 K	5 - 52 W	520 - 7300 lm	104 - 153 lm/W
	5700 K	5 - 52 W	520 - 7300 lm	104 - 153 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		16			32			48	
Nominal current, mA	280	480	760	290	500	760	270	500	750
Power, W	15	25	39	29	50	75	40	75	110
Luminous Flux, lm	2150	3540	5300	4600	7600	10600	6400	11200	16000
Efficacy, lm/W	143	142	136	159	152	141	160	149	145
Power factor, PF	0,83	0,93	0,98	0,82	0,93	0,97	0,98	0,97	0,97

Luminaire efficacy	2700 K	15 - 110 W	1850 - 13600 lm	115 - 137 lm/W
	3000 K	15 - 110 W	2000 - 15000 lm	126 - 150 lm/W
	5000 K	15 - 110 W	2150 - 16000 lm	136 - 160 lm/W
	5700 K	15 - 110 W	2150 - 16000 lm	136 - 160 lm/W

ECO

* Data for L01 optic.

Check VIZULO members section for additional information

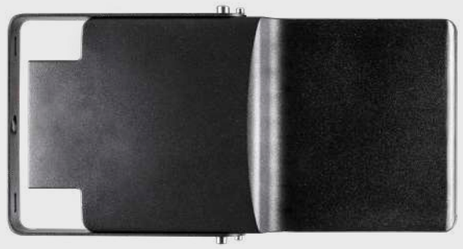
4000 K | CRI 70

Number of LED's		8			16			24	
Nominal current, mA	280	470	700	280	490	710	270	470	710
Power, W	15	25	38	28	50	75	40	70	110
Luminous Flux, lm	2100	3400	4700	4200	6800	9300	6200	9700	13500
Efficacy, lm/W	140	136	124	150	136	124	155	139	123
Power factor, PF	0,90	0,97	0,98	0,95	0,93	0,97	0,95	0,97	0,97

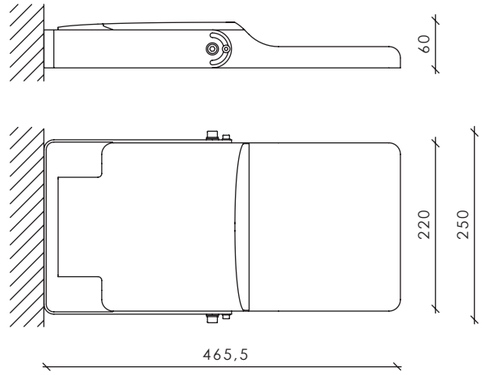
Luminaire efficacy	2700 K	15 - 110 W	1975 - 12600 lm	116 - 144 lm/W
	3000 K	15 - 110 W	2100 - 13500 lm	123 - 154 lm/W
	5000 K	15 - 110 W	2100 - 13500 lm	123 - 155 lm/W
	5700 K	15 - 110 W	2100 - 13500 lm	123 - 155 lm/W

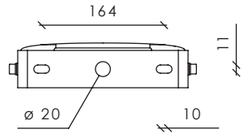
Mini martin floodlight smooth









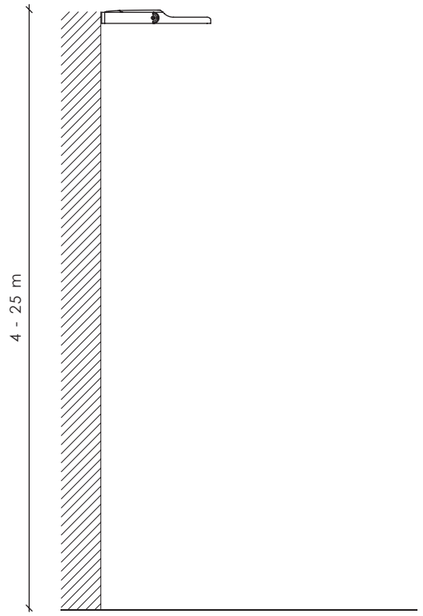


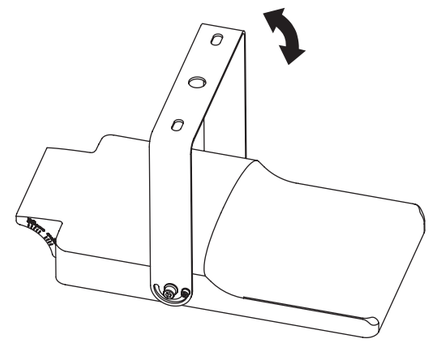
RAL9006

DB703

RAL9005

Other colors
available on request





Technical information

IP66 | IK08 | IK09 [9] | EPD® | RoHS | SundaHus assessment available [8]

V	198 - 264
Hz	50 - 60
W	5 - 75
lm	446 - 11200 [1]
lm/W	90 - 160
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L80B10C10) [4]
100 000 h (L95B10C10) [5]

Surge protection:	3; 6; 10 kV (optional) [6]
Intelligent light control system:	Radio frequency [7]
Socket:	Zhaga / NEMA
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,036

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request

Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] Standard / High Density at Ta = 25 °C, this value is only informative and may change according to selected article

[6] 10 kV (L-N; L/N-PE) surge protection device available on request

[7] Optional. Available only with DALI ; 1 - 10 V

[8] Check SundaHus web page for product assessment results

[9] IK09 - screw version with tempered unprinted glass

[10] Coming soon

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles

MRS — F - Flood (flood light) | S - Smooth (finless) | T - Tool-less | E - Eco

Power 005 ... 110

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values:
2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 6x1 - T01 ... T99
type 12 - Y01 ... Y99
type 1 - Z01 ... Z99
custom configuration - M01 ... N99

LED module type
8 LEDs, type 2x2 lens - AA
36 LEDs, type 6x1 lens - AE
16 LEDs, type 8 lens - AF
4 LEDs, type 1 lens - AP

LED quantity 004 ... 048

Color
black (RAL 9005) - CB
silver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Console
post top / side-entry, ±15°, 60 mm - N
post top / side-entry, ±90°, 60 mm - R
post top / side-entry, ±90°, 76 mm - P
flood light - F

Dimming
non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
step dimming - S
mains dimming - L
power line communication - P
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z
*custom configuration - X

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation
class I - 1
class II - 2
class III - 3

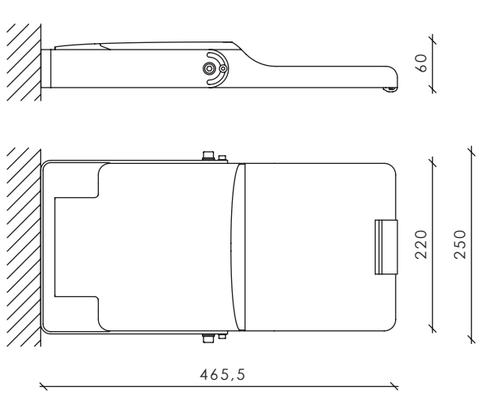
EXAMPLE MRSS 050 740 L01 AA024 CSN DG1

*** CUSTOM CONFIGURATION EXAMPLE**

NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Mini martin floodlight tool-less smooth





RAL9006

DB703

RAL9005

Other colors
available on request

Technical information

IP66 IK08 IK09[9]

V	198 - 264
Hz	50 - 60
W	5 - 75
lm	446 - 11200 [1]
lm/W	90 - 160
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L80B10C10) [4]
100 000 h (L95B10C10) [5]

Surge protection:	3; 6; 10 kV (optional) [6]
Intelligent light control system:	Radio frequency [7]
Socket:	Zhaga / NEMA
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,036

[1] Lumen output indicated at CRI > 70
[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request
Amber option available
[3] Luminaries with color rendering index (CRI): Ra > 90 on request
[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*
[5] Standard / High Density at Ta = 25 °C, this value is only informative and may change according to selected article
[6] 10 kV (L-N; L/N-PE) surge protection device available on request
[7] Optional. Available only with DALI ; 1 - 10 V
[8] Check SundaHus web page for product assessment results
[9] IK09 - screw version with tempered unprinted glass
[10] Coming soon

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		4			8			12	
Nominal current, mA	270	500	730	140	540	700	280	500	670
Power, W	5	8	11	5	15	19	12	20	26
Luminous Flux, lm	520	920	1300	560	2000	2500	1650	2800	3550
Efficacy, lm/W	104	115	118	112	133	132	138	140	137
Power factor, PF	0,83	0,89	0,93	0,69	0,90	0,94	0,85	0,95	0,97

Number of LED's		16			24	
Nominal current, mA	280	500	680	260	470	700
Power, W	15	25	35	20	35	52
Luminous Flux, lm	2150	3630	5000	3060	5300	7300
Efficacy, lm/W	143	145	143	153	151	140
Power factor, PF	0,90	0,97	0,97	0,86	0,94	0,97

Luminaire efficacy	2700 K	5 - 52 W	446 - 6300 lm	90 - 130 lm/W
	3000 K	5 - 52 W	490 - 6900 lm	98 - 142 lm/W
	5000 K	5 - 52 W	520 - 7300 lm	104 - 153 lm/W
	5700 K	5 - 52 W	520 - 7300 lm	104 - 153 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		16			32			48	
Nominal current, mA	280	480	760	290	500	760	270	380	500
Power, W	15	25	39	29	50	75	40	55	75
Luminous Flux, lm	2150	3540	5300	4600	7600	10600	6400	8500	11200
Efficacy, lm/W	143	142	136	159	152	141	160	155	149
Power factor, PF	0,83	0,93	0,98	0,82	0,93	0,97	0,98	0,94	0,97

Luminaire efficacy	2700 K	15 - 75 W	1850 - 9600 lm	115 - 137 lm/W
	3000 K	15 - 75 W	2000 - 10500 lm	126 - 150 lm/W
	5000 K	15 - 75 W	2150 - 11200 lm	136 - 160 lm/W
	5700 K	15 - 75 W	2150 - 11200 lm	136 - 160 lm/W

ECO

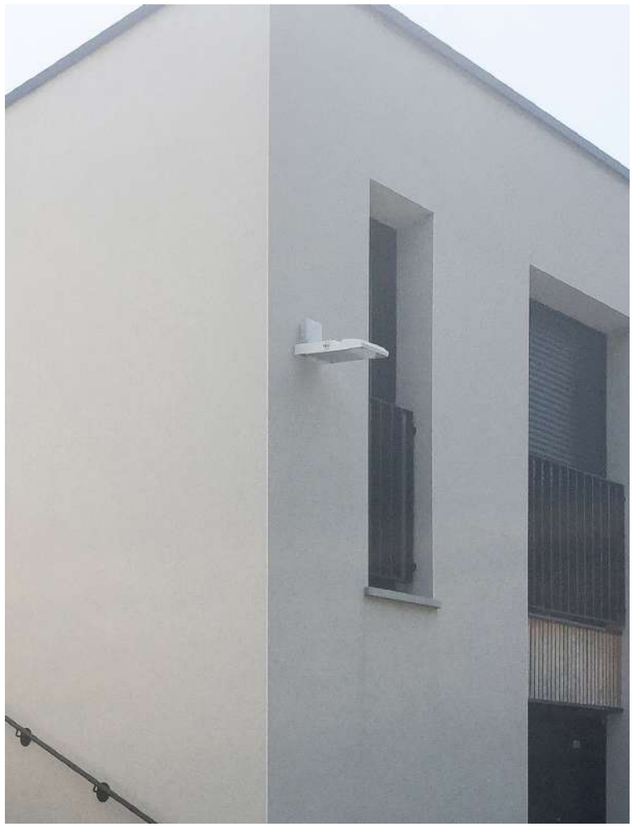
* Data for L01 optic.

Check VIZULO members section for additional information

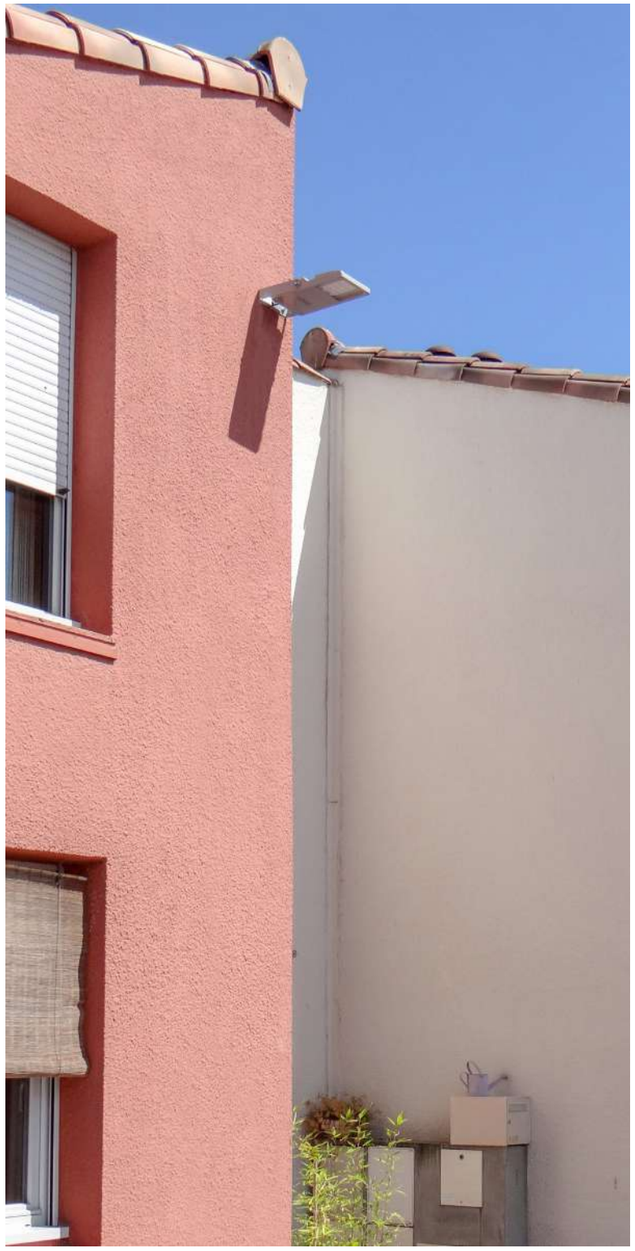
4000 K | CRI 70

Number of LED's		8			16			24	
Nominal current, mA	280	470	700	280	490	710	270	400	500
Power, W	15	25	38	28	50	75	40	60	75
Luminous Flux, lm	2100	3400	4700	4200	6800	9300	6200	8620	10300
Efficacy, lm/W	140	136	124	150	136	124	155	144	137
Power factor, PF	0,90	0,97	0,98	0,95	0,93	0,97	0,95	0,95	0,97

Luminaire efficacy	2700 K	15 - 75 W	1975 - 9600 lm	116 - 144 lm/W
	3000 K	15 - 75 W	2100 - 10300 lm	124 - 154 lm/W
	5000 K	15 - 75 W	2100 - 10300 lm	124 - 155 lm/W
	5700 K	15 - 75 W	2100 - 10300 lm	124 - 155 lm/W



Bois-Guillaume | France



Lunel | France

Micro martin floodlight



with fins



smooth



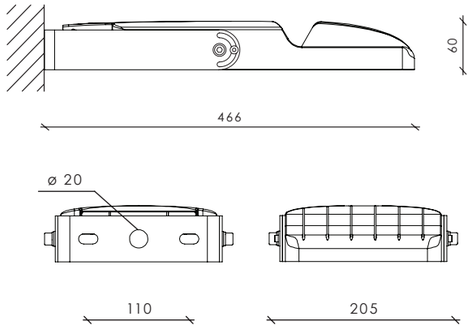
tool-less

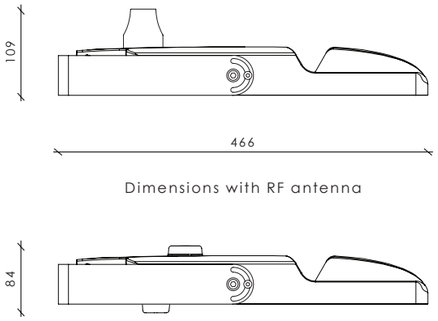


tool-less
smooth

Micro martin floodlight with fins

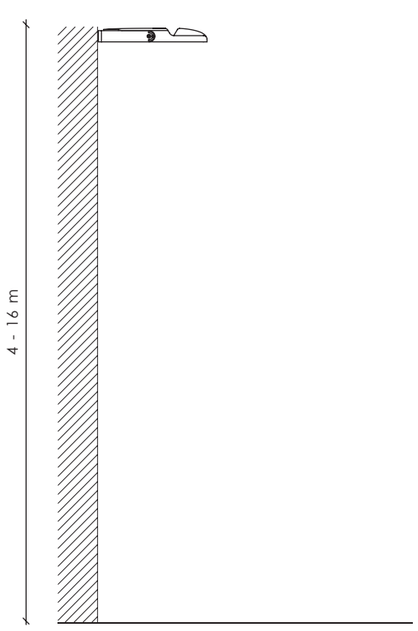


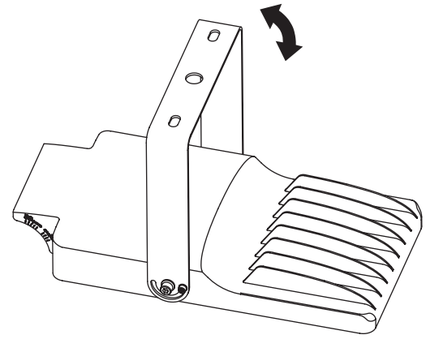




Dimensions with RF antenna

Dimensions with 2 Zhaga connectors





RAL9006 DB703 RAL9005

Other colors
available on request

Technical information

V	198 - 264
Hz	50 - 60
W	5 - 75
lm	446 - 10400 [1]
lm/W	90 - 160
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

IP66 IK08 IK09[7]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L95B10) at Ta = 25 °C
100 000 h (L80B10C10) [4]

Surge protection:	6 kV / separate built-in 10 kV
Intelligent light control system:	Radio frequency [5]
Socket:	Zhaga / NEMA
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,037

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request

Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] Optional. Available only with DALI ; 1 - 10 V

[6] Check SundaHus web page for product assessment results

[7] IK09 - screw version with tempered unprinted glass

[8] Coming soon

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles

MRU

F - Flood (flood light) | S - Smooth (finless) | T - Tool-less | E - Eco

Power 005 ... 075

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values: 2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 16 - S01 ... S99
type 6x1 - T01 ... T99
type 1 - Z01 ... Z99
custom configuration - M01 ... N99

LED module type
8 LEDs, type 2x2 lens - AA
16 LEDs, type 8 lens - AF
32 LEDs, type 16 lens - AQ
2 LEDs, type 1 lens - AP

LED quantity
004 ... 032

Color
black (RAL 9005) - CB
silver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Console
post top / side-entry, ±15°, 60 mm - N
post top / side-entry, ±90°, 60 mm - R
post top / side-entry, ±90°, 76 mm - P
flood light - F

Dimming
non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
step dimming - S
mains dimming - L
power line communication - P
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z
*custom configuration - X

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

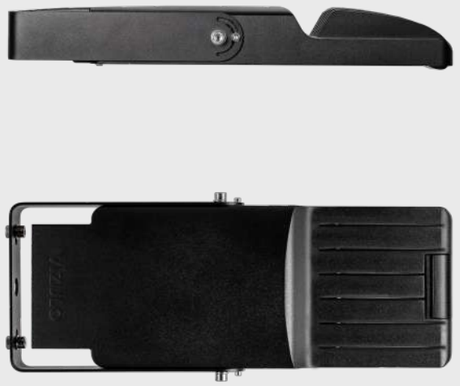
Insulation
class I - 1
class II - 2
class III - 3

EXAMPLE MRUF 045 740 L02 AA016 CSN DG1

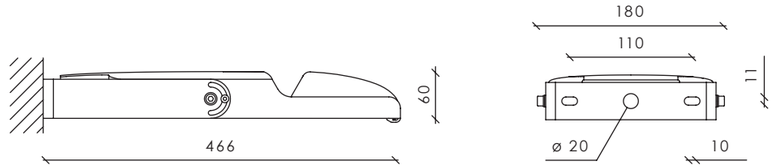
*** CUSTOM CONFIGURATION EXAMPLE**

NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Micro martin floodlight tool-less







RAL9006

DB703

RAL9005

Other colors
available on request

Technical information

V	198 - 264
Hz	50 - 60
W	5 - 75
lm	446 - 10400 [1]
lm/W	90 - 160
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L95B10) at Ta = 25 °C
100 000 h (L80B10C10) [4]

Surge protection:	6 kV / separate built-in 10 kV
Spigot:	Floodlight
Intelligent light control system:	Radio frequency [5]
Socket:	Zhaga / NEMA
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,037

[1] Lumen output indicated at CRI > 70
[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request
Amber option available
[3] Luminaries with color rendering index (CRI): Ra > 90 on request
[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*
[5] Optional. Available only with DALI ; 1 - 10 V
[6] Check SundaHus web page for product assessment results
[7] IK09 - screw version with tempered unprinted glass
[8] Coming soon

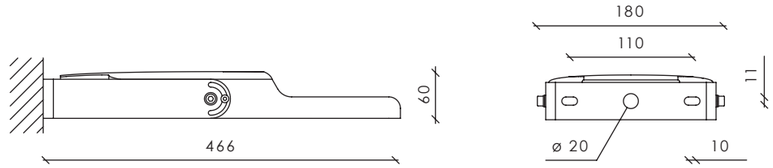
*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Micro martin floodlight smooth







RAL9006

DB703

RAL9005

Other colors
available on request

Technical information

V	198 - 264
Hz	50 - 60
W	5 - 75
lm	446 - 10400 [1]
lm/W	90 - 160
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L95B10) at Ta = 25 °C
100 000 h (L80B10C10) [4]

Surge protection:	6 kV / separate built-in 10 kV
Spigot:	Floodlight
Intelligent light control system:	Radio frequency [5]
Socket:	Zhaga / NEMA
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,037

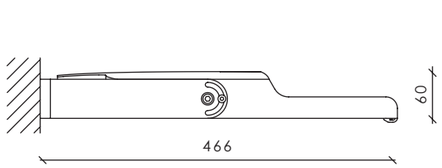
[1] Lumen output indicated at CRI > 70
[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request
Amber option available
[3] Luminaries with color rendering index (CRI): Ra > 90 on request
[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*
[5] Optional. Available only with DALI ; 1 - 10 V
[6] Check SundaHus web page for product assessment results
[7] IK09 - screw version with tempered unprinted glass
[8] Coming soon

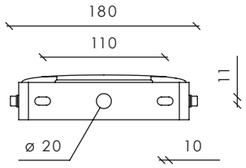
*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Micro martin floodlight tool-less smooth







RAL9006

DB703

RAL9005

Other colors
available on request

Technical information

V	198 - 264
Hz	50 - 60
W	5 - 75
lm	446 - 10400 [1]
lm/W	90 - 160
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L95B10) at Ta = 25 °C
100 000 h (L80B10C10) [4]

Surge protection:	6 kV / separate built-in 10 kV
Spigot:	Floodlight
Intelligent light control system:	Radio frequency [5]
Socket:	Zhaga / NEMA
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,037

[1] Lumen output indicated at CRI > 70
[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request
Amber option available
[3] Luminaries with color rendering index (CRI): Ra > 90 on request
[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*
[5] Optional. Available only with DALI ; 1 - 10 V
[6] Check SundaHus web page for product assessment results
[7] IK09 - screw version with tempered unprinted glass
[8] Coming soon

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's	4			8			12			16		
Nominal current, mA	270	500	730	140	540	700	280	500	670	280	500	760
Power, W	5	8	11	5	15	19	12	20	26	15	25	39
Luminous Flux, lm	520	920	1300	560	2000	2500	1650	2800	3550	2180	3630	5400
Efficacy, lm/W	104	115	118	112	133	132	138	140	137	145	145	138
Power factor, PF	0,83	0,89	0,93	0,69	0,90	0,94	0,85	0,95	0,97	0,90	0,97	0,98

Luminaire efficacy				
	2700 K	5 - 52 W	446 - 4600 lm	90 - 127 lm/W
	3000 K	5 - 52 W	490 - 5100 lm	98 - 137 lm/W
	5000 K	5 - 52 W	520 - 5400 lm	104 - 145 lm/W
	5700 K	5 - 52 W	520 - 5400 lm	104 - 145 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's	16			32		
Nominal current, mA	280	480	760	290	500	760
Power, W	15	25	39	29	50	75
Luminous Flux, lm	2150	3540	5300	4600	7600	10400
Efficacy, lm/W	143	142	136	159	152	139
Power factor, PF	0,83	0,93	0,98	0,82	0,93	0,97

Luminaire efficacy				
	2700 K	15 - 75 W	1850 - 8900 lm	115 - 137 lm/W
	3000 K	15 - 75 W	2000 - 9800 lm	126 - 150 lm/W
	5000 K	15 - 75 W	2150 - 10400 lm	136 - 160 lm/W
	5700 K	15 - 75 W	2150 - 10400 lm	136 - 160 lm/W

ECO

* Data for L01 optic.

Check VIZULO members section for additional information

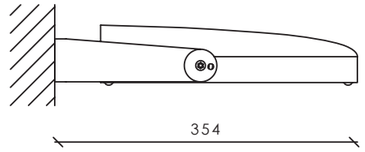
4000 K | CRI 70

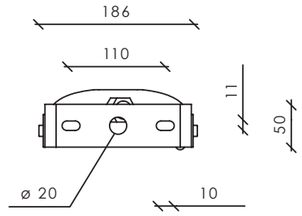
Number of LED's	4			8			16		
Nominal current, mA	140	490	670	280	470	700	280	490	720
Power, W	5	14	19	15	25	38	28	50	75
Luminous Flux, lm	560	1720	2250	2100	3400	4700	4200	6800	9300
Efficacy, lm/W	112	123	118	140	136	124	150	136	124
Power factor, PF	0,69	0,89	0,94	0,90	0,97	0,98	0,95	0,93	0,97

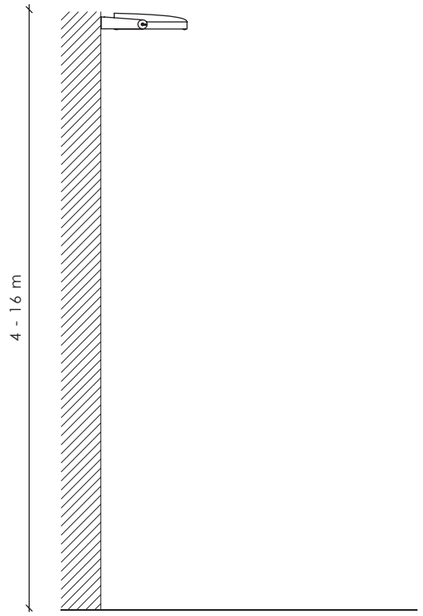
Luminaire efficacy				
	2700 K	5 - 75 W	523 - 8700 lm	105 - 141 lm/W
	3000 K	5 - 75 W	560 - 9000 lm	112 - 148 lm/W
	5000 K	5 - 75 W	560 - 9300 lm	112 - 151 lm/W
	5700 K	5 - 75 W	560 - 9300 lm	112 - 151 lm/W

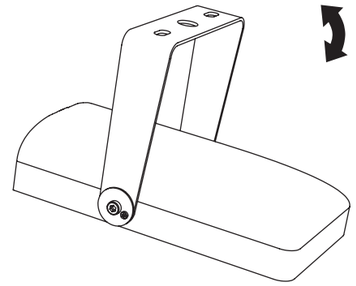
Colibri floodlight











RAL9006 DB703 RAL9005 Other colors available on request

Technical information

V	220 - 240	1 - 10 V; DALI; Midnight dimming	
Hz	50 - 60	Warranty 5 years	
W	5 - 45	100 000 h (L80B10) at Ta = 25 °C	
lm	415 - 5530 [1]		
lm/W	83 - 134		
K	2700 / 3000 / 4000 [2]	*Surge protection:*	4 kV (10 kV optional)
°C	-40 to +50 (5 - 35 W version)	*Spigot:*	Floodlight
	-40 to +35 (35 - 45 W version)	*Socket:*	Zhaga / NEMA
CRI	>70 / >80 [3]	*Body:*	Die-cast aluminium
		Max. wind load area, SCd, m²:	0,025

[1] Lumen output indicated at 4000 K, CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Non-printed glass

[5] Coming soon

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles

F - Flood (flood light) | E - Eco

CL

Power 005 ... 045

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values: 2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 16 - S01 ... S99
custom configuration - M01 ... N99

LED module type
8 LEDs, type 2x2 lens - A
16 LEDs, type 8 lens - F

LED quantity
004 ... 016

Color
black (RAL 9005) - CB
silver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Console
side-entry, 42 ... 60 / post top, 60 mm - K
side-entry, 42 ... 60 mm - S
flood light - F

Dimming
non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
step dimming - S
mains dimming - L
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z
*custom configuration - X

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation
class I - 1
class II - 2

EXAMPLE CLF 040 730 L01 A008 CSK MG1

*** CUSTOM CONFIGURATION EXAMPLE**

NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's	4			6			8		
Nominal current, mA	270	500	730	190	480	880	140	540	700
Power, W	5	8	11	5	10	18	5	15	19
Luminous Flux, lm	480	850	1200	510	1340	2260	543	1935	2420
Efficacy, lm/W	96	106	109	102	134	126	109	129	127
Power factor, PF	0,83	0,89	0,93	0,69	0,91	0,93	0,69	0,90	0,94

Luminaire efficacy	2700 K	5 - 19 W	415 - 2000 lm	83 - 111 lm/W
	3000 K	5 - 19 W	456 - 2200 lm	92 - 122 lm/W
	5000 K	5 - 19 W	480 - 2420 lm	96 - 134 lm/W
	5700 K	5 - 19 W	480 - 2420 lm	96 - 134 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's	8			16		
Nominal current, mA	140	540	700	280	590	890
Power, W	5	15	19	15	30	45
Luminous Flux, lm	543	1935	2420	2010	3900	5530
Efficacy, lm/W	109	129	127	134	130	123
Power factor, PF	0,69	0,90	0,94	0,83	0,96	0,96

Luminaire efficacy	2700 K	5 - 45 W	465 - 4740 lm	93 - 115 lm/W
	3000 K	5 - 45 W	512 - 5210 lm	103 - 127 lm/W
	5000 K	5 - 45 W	543 - 5530 lm	109 - 134 lm/W
	5700 K	5 - 45 W	543 - 5530 lm	109 - 134 lm/W

ECO

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's	4			6			8		
Nominal current, mA	140	520	670	290	490	680	280	470	710
Power, W	5	15	19	12	20	28	15	25	38
Luminous Flux, lm	560	1900	2325	1560	2442	3210	1980	3100	4040
Efficacy, lm/W	112	127	122	130	122	115	132	124	106
Power factor, PF	0,69	0,90	0,94	0,78	0,89	0,95	0,90	0,97	0,98

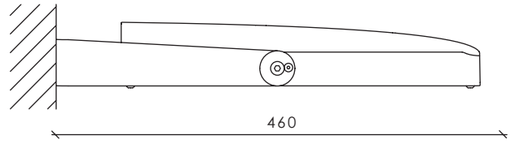
Luminaire efficacy	2700 K	5 - 38 W	526 - 3790 lm	105 - 124 lm/W
	3000 K	5 - 38 W	548 - 3935 lm	110 - 128 lm/W
	5000 K	5 - 38 W	560 - 4040 lm	112 - 132 lm/W
	5700 K	5 - 38 W	560 - 4040 lm	112 - 132 lm/W

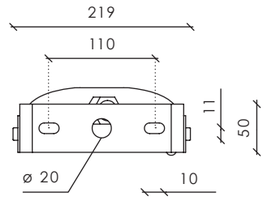
Colibri midi floodlight

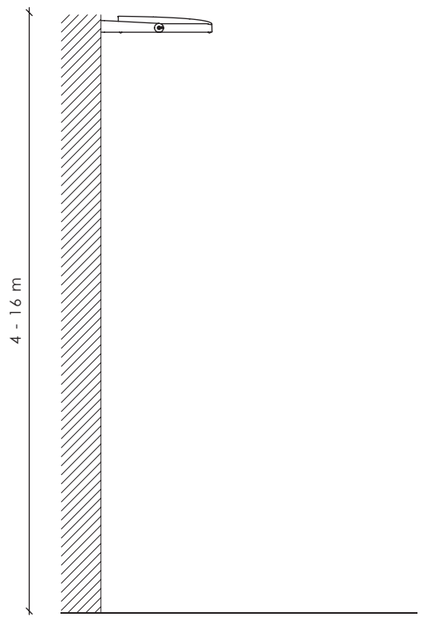


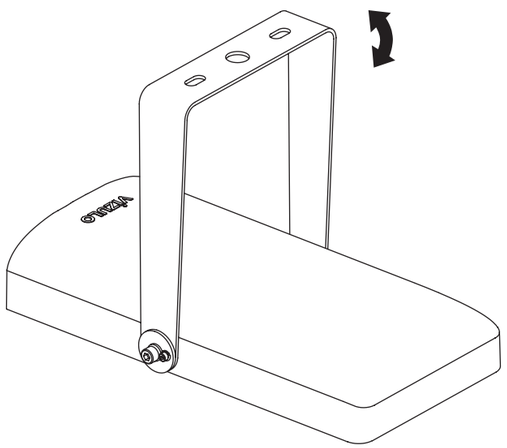


RAL9006 DB703 RAL9005 Other colors available on request









Technical information

V	220 - 240	1 - 10 V; DALI; Midnight dimming	
Hz	50 - 60	Warranty 5 years	
W	5 - 87	100 000 h (L80B10) at Ta = 25 °C	
lm	446 - 13100 [1]		
lm/W	90 - 164		
K	2700 / 3000 / 4000 [2]	*Surge protection:*	4 kV (10 kV optional)
°C	-40 to +50 (5 - 70 W version)	*Spigot:*	Floodlight
	-40 to +35 (70 - 87 W version)	*Intelligent light control system:*	Radio frequency [4] Zhaga / NEMA
CRI	>70 / >80 [3]	*Socket:*	Die-cast aluminium
		Body:	
		Max. wind load area, SCd, m^2:	0,036

[1] Lumen output indicated at 4000 K, CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Optional. Available only with DALI ; 1 - 10 V

[5] Coming soon

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles

CLM — F - Flood (flood light) | E - Eco

Power 005 ... 087

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values: 2700 K - 27, 3000 K - 30, 4000 K - 40

Lens
type 2x2 - L01 ... L99
type 8 - V01 ... V99
type 16 - S01 ... S99
custom configuration - M01 ... N99

LED module type
8 LEDs, type 2x2 lens - A
16 LEDs, type 8 lens - F

LED quantity
004 ... 048

Color
black (RAL 9005) - CB
silver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Console
side-entry, 42, 48, 60 / post top, 60 mm - K
side-entry, 42, 48, 60 mm - S
flood light - F

Dimming
non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
step dimming - S
mains dimming - L
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z
*custom configuration - X

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation
class I - 1
class II - 2

EXAMPLE CLM 020 730 L17 A008 CAK NG1

*** CUSTOM CONFIGURATION EXAMPLE**

NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		8			12			16			24	
Nominal current, mA	140	540	700	280	500	660	280	500	760	260	470	700
Power, W	5	15	19	12	20	26	15	25	39	20	35	52
Luminous Flux, lm	520	1840	2300	1530	2590	3300	2160	3560	5300	3060	5240	7400
Efficacy, lm/W	104	123	121	128	130	127	144	142	136	153	150	142
Power factor, PF	0,69	0,90	0,94	0,85	0,95	0,97	0,90	0,97	0,98	0,86	0,97	0,97

Luminaire efficacy				
	2700 K	5 - 52 W	446 - 6350 lm	90 - 131 lm/W
	3000 K	5 - 52 W	490 - 7000 lm	98 - 144 lm/W
	5000 K	5 - 52 W	520 - 7400 lm	104 - 153 lm/W
	5700 K	5 - 52 W	520 - 7400 lm	104 - 153 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		16			32			48	
Nominal current, mA	280	480	770	270	510	700	270	350	600
Power, W	15	25	39	27	50	68	39	50	87
Luminous Flux, lm	2010	3310	4920	4000	7111	9280	6400	8035	13100
Efficacy, lm/W	134	132	126	148	142	136	164	161	151
Power factor, PF	0,83	0,93	0,98	0,94	0,97	0,96	0,95	0,97	0,98

Luminaire efficacy				
	2700 K	15 - 87 W	1730 - 11210 lm	108 - 140 lm/W
	3000 K	15 - 87 W	1900 - 12320 lm	119 - 155 lm/W
	5000 K	15 - 87 W	2010 - 13100 lm	126 - 164 lm/W
	5700 K	15 - 87 W	2010 - 13100 lm	126 - 164 lm/W

ECO

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

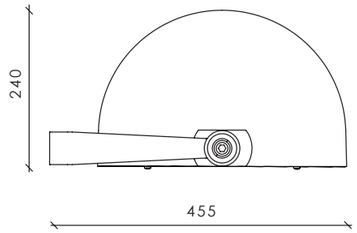
Number of LED's		8			12			16	
Nominal current, mA	280	470	700	280	450	700	280	490	710
Power, W	15	25	38	22	35	55	28	50	74
Luminous Flux, lm	1960	3120	4340	2980	4470	6300	4100	6460	8810
Efficacy, lm/W	131	125	114	135	128	115	146	129	119
Power factor, PF	0,90	0,97	0,98	0,87	0,97	0,98	0,95	0,93	0,97

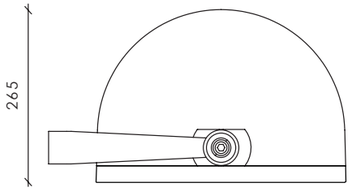
Luminaire efficacy				
	2700 K	5 - 74 W	1833 - 8255 lm	107 - 137 lm/W
	3000 K	5 - 74 W	1960 - 8600 lm	114 - 142 lm/W
	5000 K	5 - 74 W	1960 - 8810 lm	114 - 147 lm/W
	5700 K	5 - 74 W	1960 - 8810 lm	114 - 147 lm/W

Blackbird floodlight



with Halo

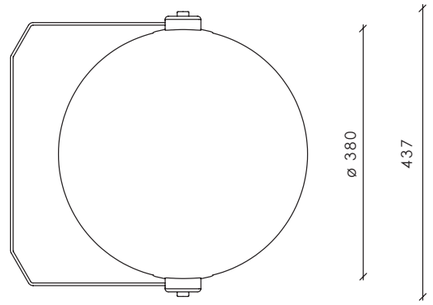


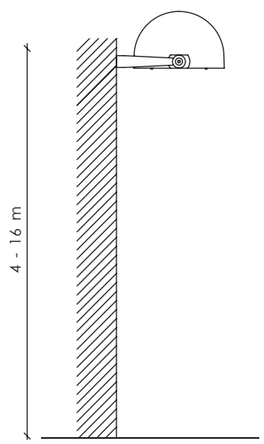


Configuration with Halo



Other colors
available on request





Technical information

V	220 - 240
Hz	50 - 60
W	5 - 100
lm	441 - 15500 [1]
lm/W	88 - 160
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L98B10) at Ta = 25 °C
100 000 h (L80B10) at Ta = 25 °C (ECO) [4]

Surge protection:	6 kV, 10 kV (optional) [5]
Body:	Die-cast aluminium
Intelligent light control system:	Radio frequency / Power line [6]
Socket:	Zhaga

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Tunable white option available (2700 - 6500 K);
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

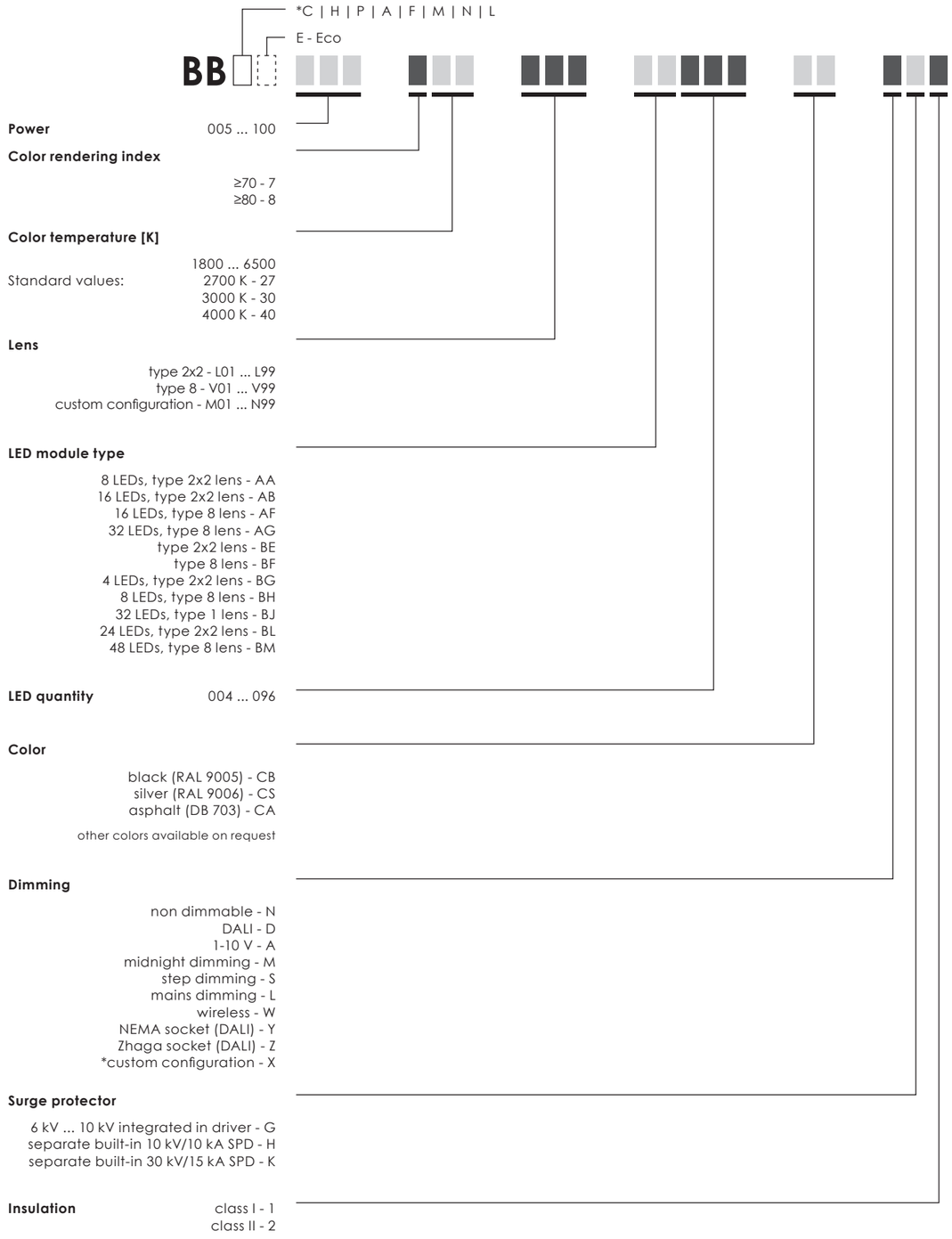
[5] 10 kV (L-N; L/N-PE) surge protection device available on request

[6] Optional. Available only with DALI ; 1 - 10 V

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles



EXAMPLE BBM 050 730 L01 AB032 CB DG1

* C - Street (side-entry) | H - Hanging | P - Post-top | A - Top-entry | F - Flood (flood light)
M - Mushroom (42 - 60 mm) | N - Mushroom (76 mm) | L - Scepter

** CUSTOM CONFIGURATION EXAMPLE:
NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		4			8			16	
Nominal current, mA	270	500	730	140	540	700	270	480	760
Power, W	5	8	11	5	15	19	15	25	39
Luminous Flux, lm	520	900	1300	560	2000	2500	2200	3530	5240
Efficacy, lm/W	104	113	118	110	133	132	147	141	134
Power factor, PF	0,83	0,89	0,93	0,69	0,90	0,94	0,83	0,93	0,98

Number of LED's		24			32			48	
Nominal current, mA	260	470	700	280	510	680	270	510	680
Power, W	20	35	52	28	50	75	40	75	100
Luminous Flux, lm	3000	5100	7200	4300	7300	10230	6100	11000	14000
Efficacy, lm/W	150	146	138	154	146	136	153	147	140
Power factor, PF	0,86	0,94	0,97	0,81	0,93	0,97	0,79	0,97	0,96

Luminaire efficacy				
	2700 K	5 - 100 W	441 - 12000 lm	88 - 134 lm/W
	3000 K	5 - 100 W	485 - 13200 lm	97 - 144 lm/W
	5000 K	5 - 100 W	520 - 14000 lm	104 - 154 lm/W
	5700 K	5 - 100 W	520 - 14000 lm	104 - 154 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		16			24			32	
Nominal current, mA	280	480	760	260	470	700	290	500	760
Power, W	15	25	39	20	35	52	29	50	75
Luminous Flux, lm	2200	3530	5240	3000	5100	7200	4450	7300	10300
Efficacy, lm/W	147	141	134	150	146	138	153	146	137
Power factor, PF	0,83	0,93	0,98	0,86	0,93	0,97	0,82	0,93	0,97

Number of LED's		48			96	
Nominal current, mA	270	510	680	270	320	350
Power, W	40	75	100	76	90	100
Luminous Flux, lm	6300	11000	14000	12100	14100	15500
Efficacy, lm/W	158	147	140	159	157	155
Power factor, PF	0,89	0,97	0,96	0,97	0,98	0,96

Luminaire efficacy				
	2700 K	15 - 100 W	1840 - 13210 lm	115 - 136 lm/W
	3000 K	15 - 100 W	2015 - 14530 lm	127 - 150 lm/W
	5000 K	15 - 100 W	2200 - 15500 lm	134 - 159 lm/W
	5700 K	15 - 100 W	2200 - 15500 lm	134 - 159 lm/W

ECO

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

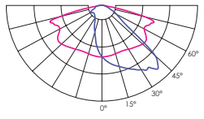
Number of LED's		4			8			16	
Nominal current, mA	140	490	670	280	490	700	140	250	390
Power, W	5	14	19	15	26	38	15	25	39
Luminous Flux, lm	555	1730	2300	2100	3430	4640	2300	3750	5560
Efficacy, lm/W	111	124	121	140	132	122	153	150	143
Power factor, PF	0,69	0,89	0,94	0,83	0,94	0,98	0,83	0,93	0,98

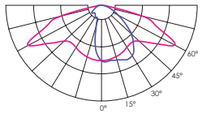
Number of LED's		24			32			48	
Nominal current, mA	270	530	650	260	380	500	140	260	350
Power, W	42	80	100	50	75	100	40	75	100
Luminous Flux, lm	6050	10600	12400	7620	11000	13400	6410	11500	14500
Efficacy, lm/W	144	133	124	152	147	134	160	153	145
Power factor, PF	0,98	0,97	0,96	0,93	0,97	0,96	0,79	0,92	0,96

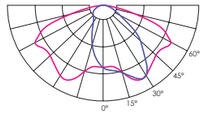
Luminaire efficacy				
	2700 K	5 - 100 W	520 - 13560 lm	104 - 150 lm/W
	3000 K	5 - 100 W	555 - 14500 lm	111 - 160 lm/W
	5000 K	5 - 100 W	555 - 14500 lm	111 - 160 lm/W
	5700 K	5 - 100 W	555 - 14500 lm	111 - 160 lm/W

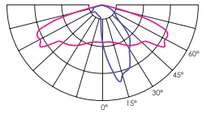
Optics floodlight luminaires

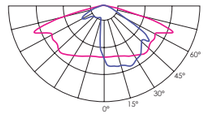
Standard modules *

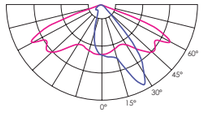
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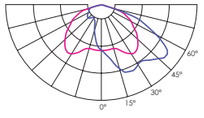
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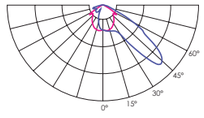
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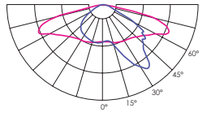
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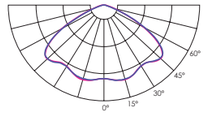
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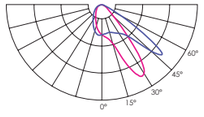
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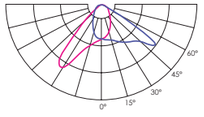
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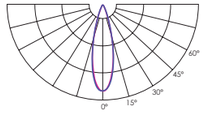
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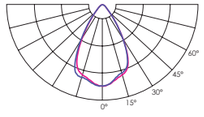
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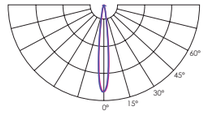
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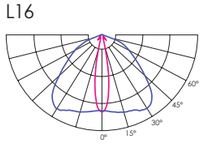
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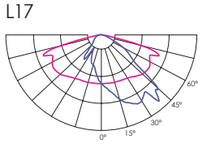
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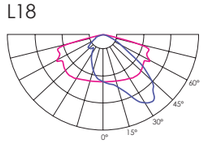
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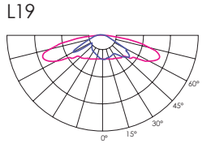
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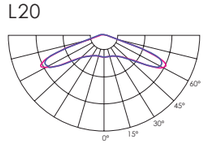
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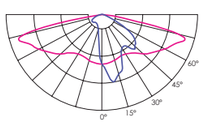
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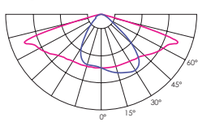
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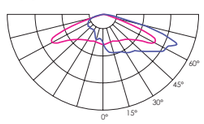
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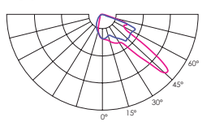
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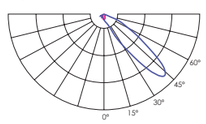
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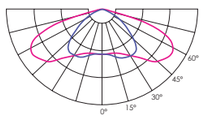
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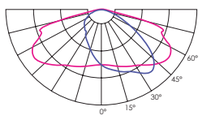
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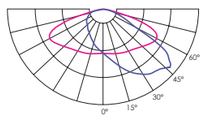
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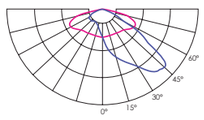
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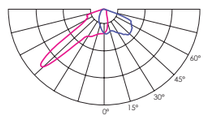
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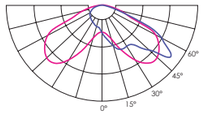
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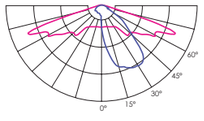
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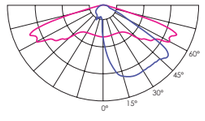
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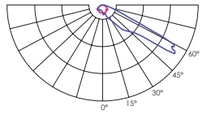
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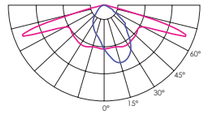
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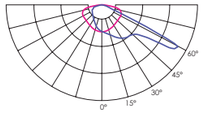
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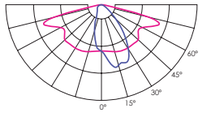
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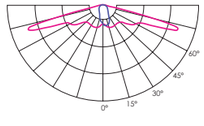
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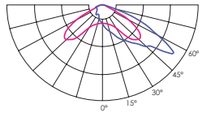
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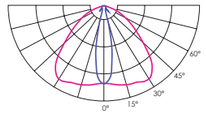
L63


L66


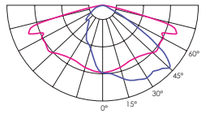
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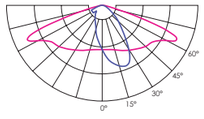
L94


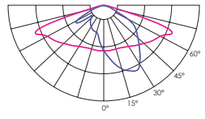
LC1


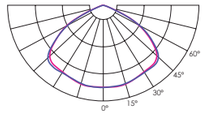
M20


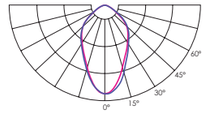
High density modules *

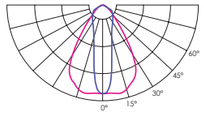
V01


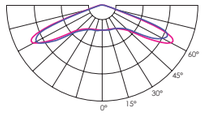
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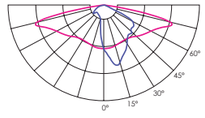
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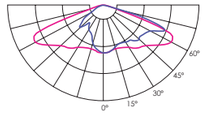
V10


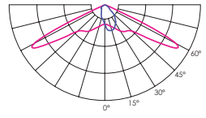
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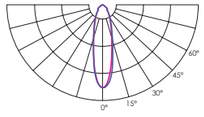
V16


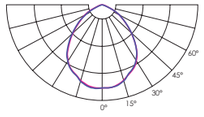
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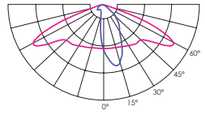
V22


V35


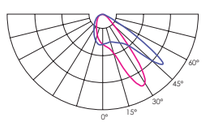
V45


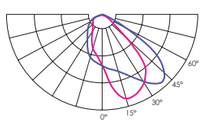
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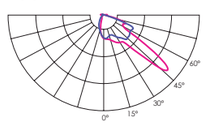
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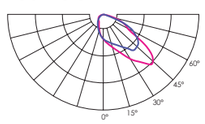
V57


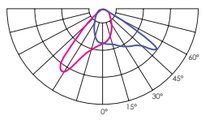
Pedestrian crossing optics

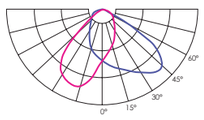
L11


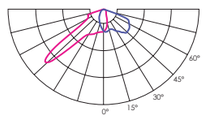
L11 ECO


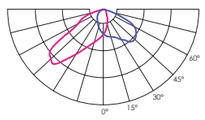
L36


L36 ECO


L12


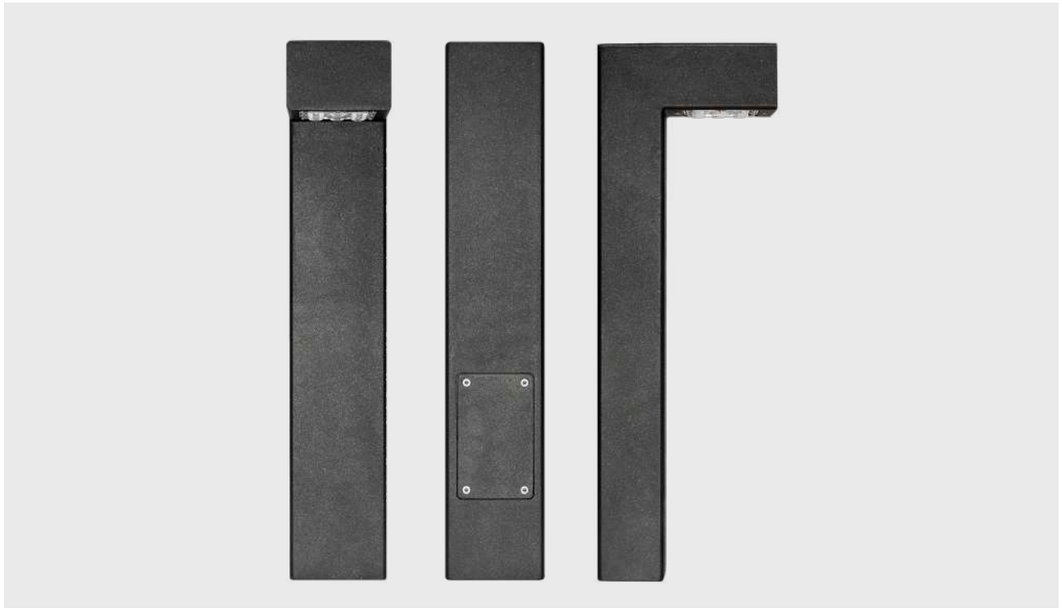
L12 ECO


L46


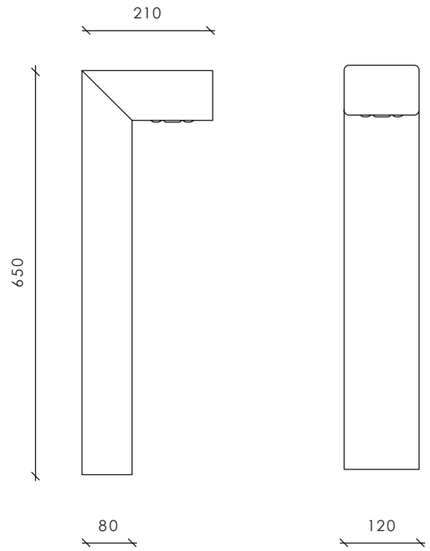
L46 ECO


* Optic distribution diagrams are **only for visual purposes**.
Check VIZULO members section for precise information.

Heron 65cm







RAL9006

GALVANIZED

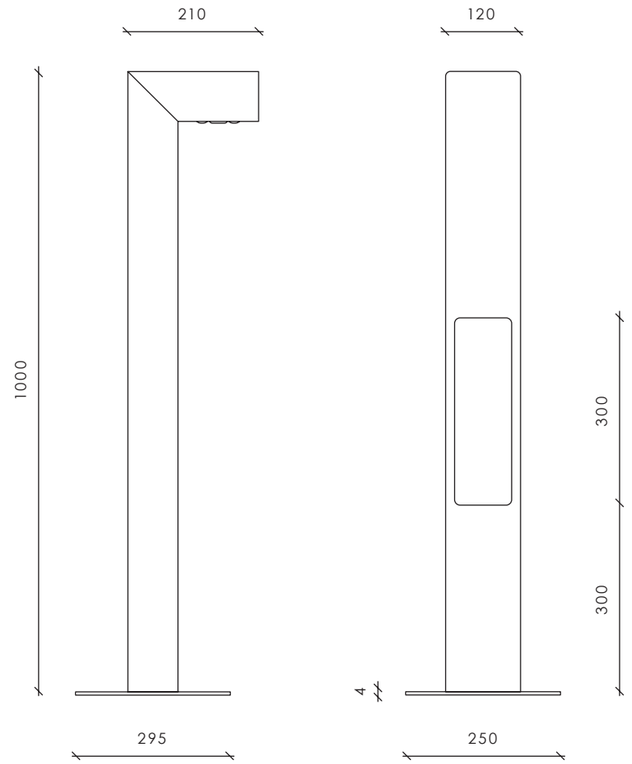
DB703

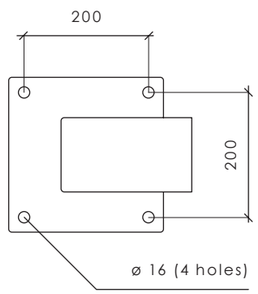
RAL9005

Other colors
available on request

Heron 100cm







RAL9006

GALVANIZED

DB703

RAL9005

Other colors
available on request

Technical information

V	220 - 240
Hz	50 - 60
W	8 - 26
lm	913 - 3350 [1]
lm/W	106 - 135
K	2700 / 3000 / 4000 [2]
°C	-40 to +35
CRI	>70 / >80 [3]

DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L80B10) at Ta = 25 °C [4]

Surge protection:	4 kV; 10 kV (optional) [5]
Body:	Aluminium
Neto weight:	7,9 - 15,0 kg [6]
	2,4 - 4,8 kg [7]

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] 10 kV (L-N; L/N-PE) surge protection device available on request

[6] Galvanized (steel) version

[7] Black RAL 9005 (aluminum) version

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

ECO

* Data for L01 optic.

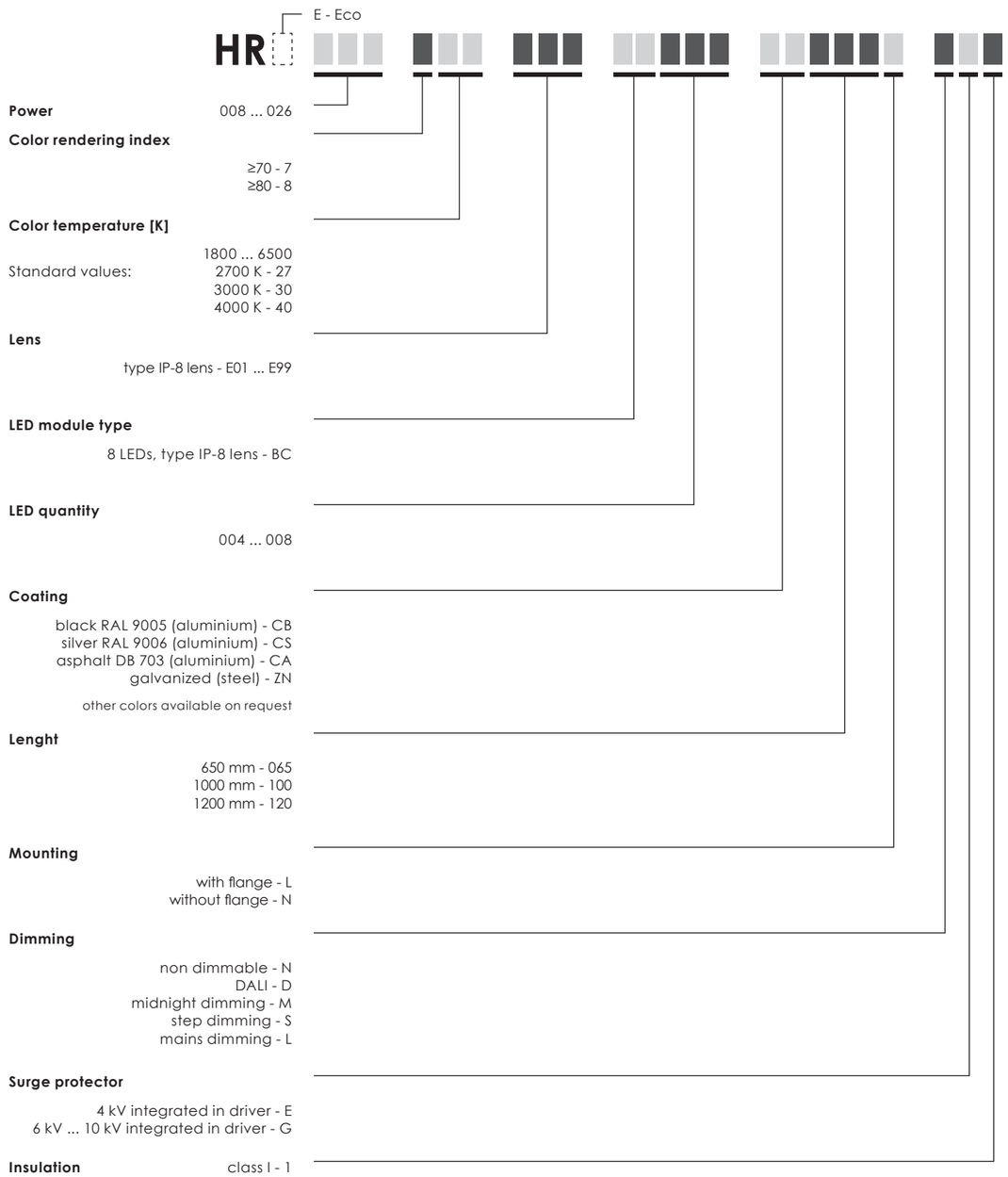
Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		4			8	
Nominal current, mA	270	520	700	270	370	490
Power, W	8	15	20	15	20	26
Luminous Flux, lm	990	1780	2290	2020	2670	3350
Efficacy, lm/W	124	119	115	135	134	129
Power factor, PF	0,84	0,90	0,95	0,90	0,95	0,94

Luminaire efficacy	2700 K	8 - 26 W	913 - 3090 lm	106 - 125 lm/W
	3000 K	8 - 26 W	990 - 3350 lm	115 - 135 lm/W
	5000 K	8 - 26 W	990 - 3350 lm	115 - 135 lm/W
	5700 K	8 - 26 W	990 - 3350 lm	115 - 135 lm/W

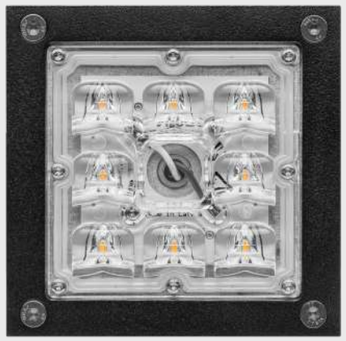
Model name principles

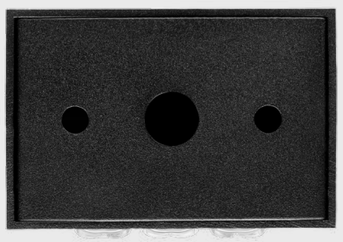


EXAMPLE HRE 008 730 E93 BC004 CB100L NG2

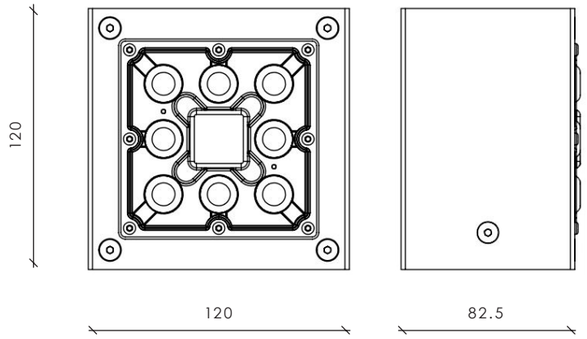
Robin



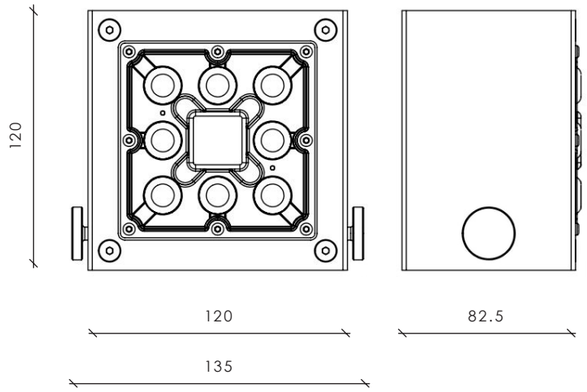




Standard version



Hand screw version



RAL9005

Other colors
available on request

Technical information

V	220 - 240
Hz	50 - 60
W	6 - 28
lm	913 - 3350 [1]
lm/W	106 - 135
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

DALI / Non dimmable
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
50 000 h (L80B10) at Ta = 25 °C [4]

Surge protection:	2 kV
Body:	Aluminium
Neto weight:	1,1 kg
Max. wind load area, SCd, m²:	0,012

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

ECO

* Data for L01 optic.

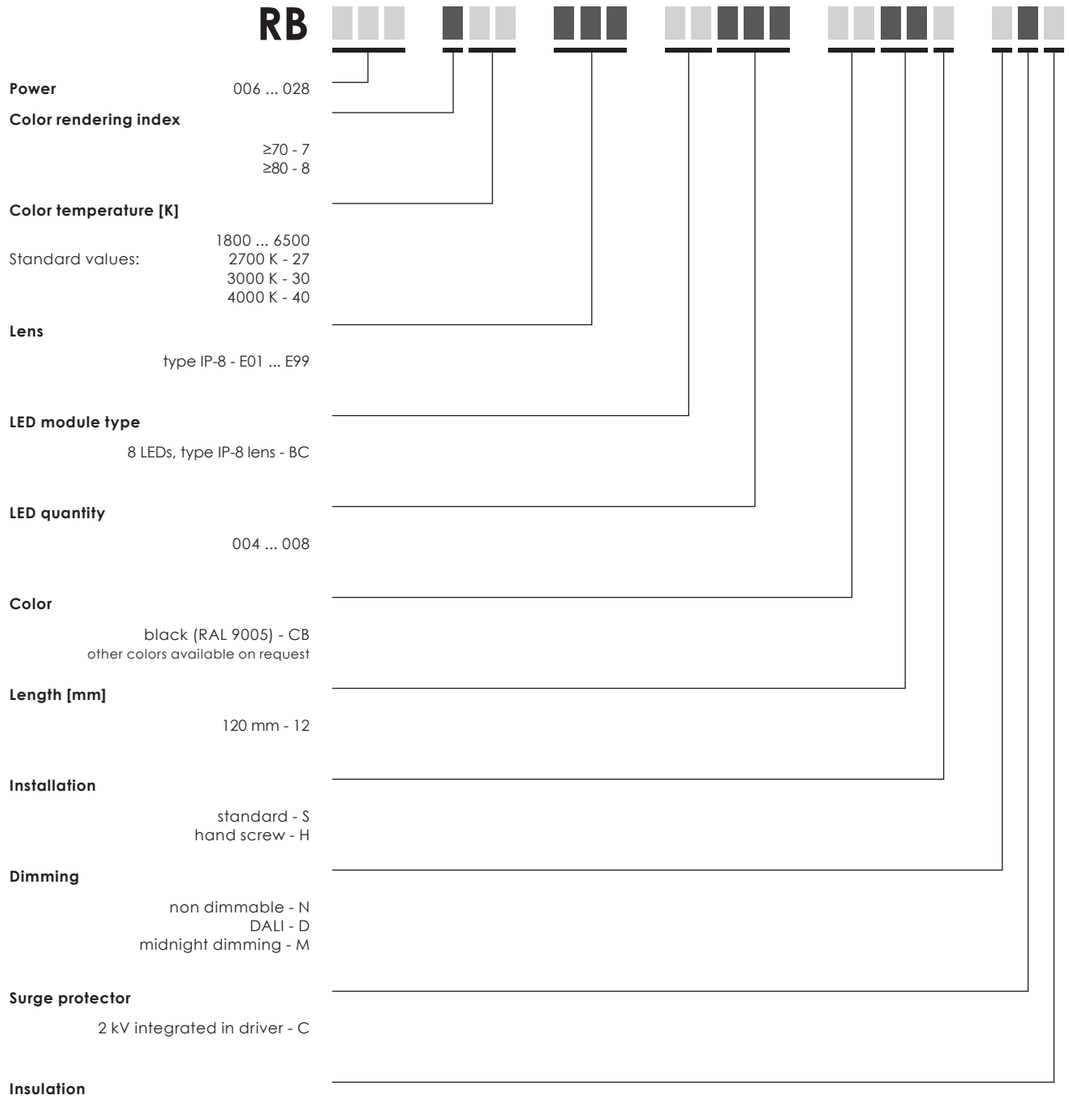
Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		4			8	
Nominal current, mA	270	520	700	270	370	490
Power, W	8	15	20	15	20	26
Luminous Flux, lm	990	1780	2290	2020	2670	3350
Efficacy, lm/W	124	119	115	135	134	129
Power factor, PF	0,84	0,90	0,95	0,90	0,95	0,94

Luminaire efficacy	2700 K	8 - 26 W	913 - 3090 lm	106 - 125 lm/W
	3000 K	8 - 26 W	990 - 3350 lm	115 - 135 lm/W
	5000 K	8 - 26 W	990 - 3350 lm	115 - 135 lm/W
	5700 K	8 - 26 W	990 - 3350 lm	115 - 135 lm/W

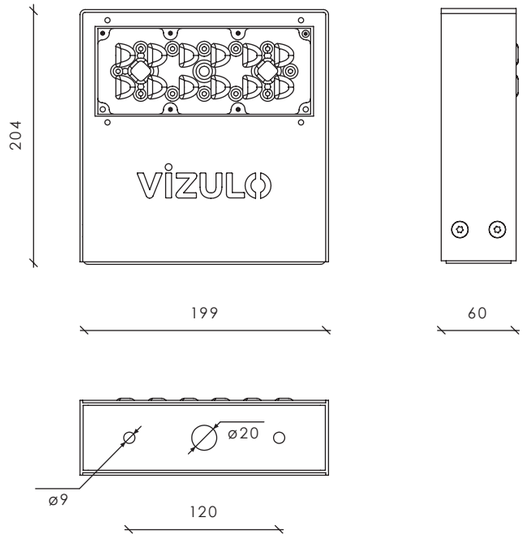
Model name principles



EXAMPLE RB 008 730 E93 BC004 CB12S NC1

Rook





RAL9005

Other colors
available on request

Technical information

V	220 - 240	DALI; Midnight dimming	
Hz	50 - 60	Chromaticity tolerance (initial MacAdam): 5	
W	15 - 28	Warranty 5 years	
lm	1845 - 3890 [1]	100 000 h (L95B10) at Ta = 25 °C [4]	
lm/W	119 - 143		
K	2700 / 3000 / 4000 [2]		
°C	-40 to +50	*Surge protection:*	6 kV
CRI	>70 / >80 [3]	*Body:*	Aluminium
		Neto weight:	3,3 kg
		Max. wind load area, SCd, m²:	0,015

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] 10 kV (L-N; L/N-PE) surge protection device available on request

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		12	
Nominal current, mA	370	510	720
Power, W	15	20	28
Luminous Flux, lm	2150	2870	3890
Efficacy, lm/W	143	144	139
Power factor, PF	0,90	0,95	0,95

Luminaire efficacy	2700 K	15 - 28 W	1845 - 3330 lm	119 - 123 lm/W
	3000 K	15 - 28 W	2030 - 3660 lm	131 - 135 lm/W
	5000 K	15 - 28 W	2150 - 3890 lm	139 - 143 lm/W
	5700 K	15 - 28 W	2150 - 3890 lm	139 - 143 lm/W

Model name principles

RK _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

Power
015 ... 028

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values:
2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 6x2 - W01 ... W99

LED module type
12 LEDs, type 2x6 lens - BD

LED quantity
004 ... 012

Color
black (RAL 9005) - CB
other colors available on request

Dimming
non dimmable - N
DALI - D
midnight dimming - M
step dimming - S
mains dimming - L

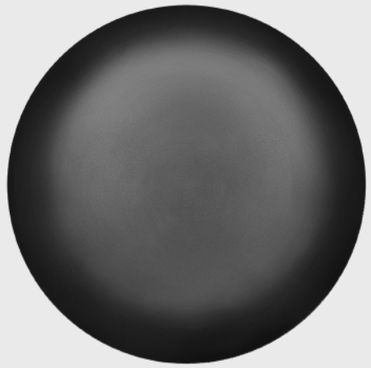
Surge protector
6 kV ... 10 kV integrated in driver - G

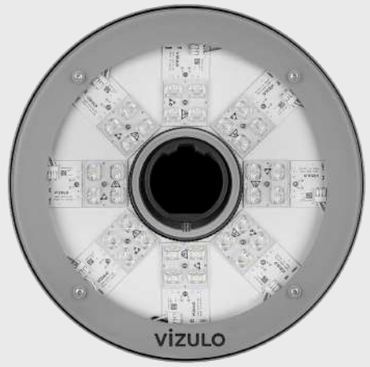
Insulation
class II - 2

EXAMPLE RK 012 730 W53 BD012 CB NG2

Blackbird mushroom



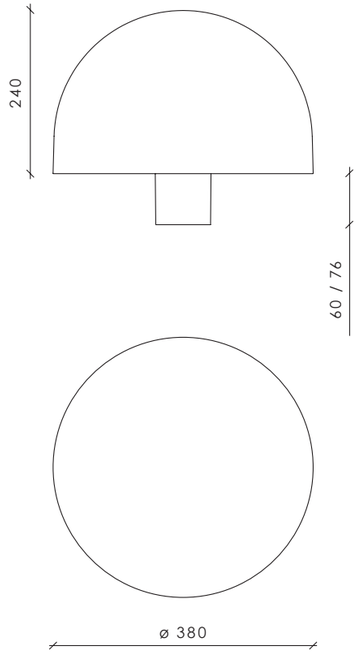


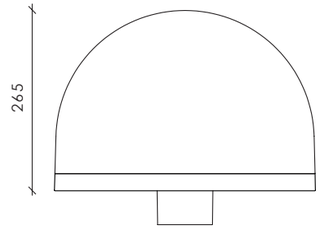


with Halo





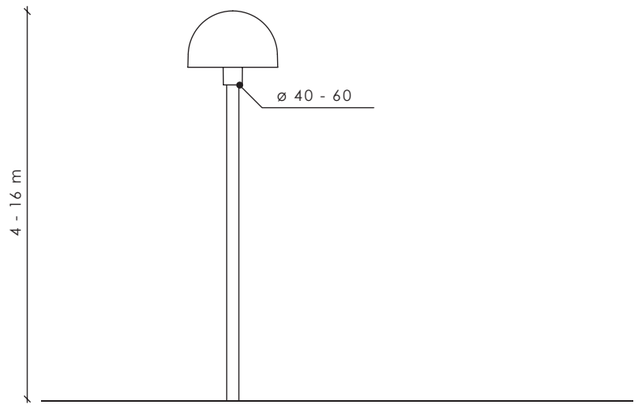




Configuration with Halo



Other colors
available on request



Technical information

V	220 - 240
Hz	50 - 60
W	5 - 100
lm	480 - 14700 [1]
lm/W	96 - 158
K	2700 / 3000 / 4000 [2]
°C	-40 to +50
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L98B10) at Ta = 25 °C
100 000 h (L80B10) at Ta = 25 °C (ECO) [4]

Surge protection:	6 kV, 10 kV (optional) [5]
Body:	Die-cast aluminium
Intelligent light control system:	Radio frequency / Power line [6]
Socket:	Zhaga

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Tunable white option available (2700 - 6500 K);
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

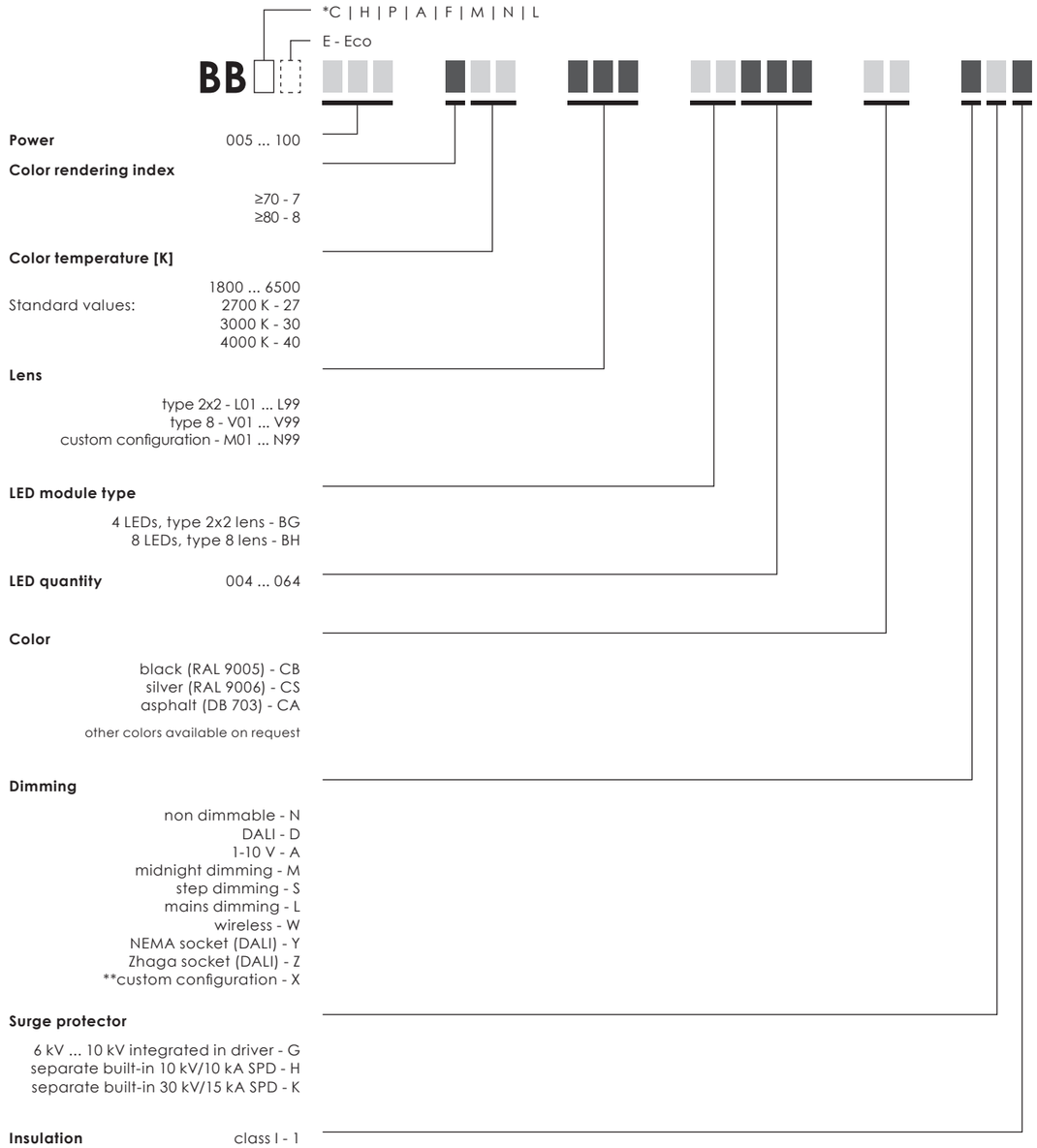
[5] 10 kV (L-N; L/N-PE) surge protection device available on request

[6] Optional. Available only with DALI ; 1 - 10 V

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles



EXAMPLE BBM 050 730 L01 BG032 CB DG1

* C - Street (side-entry) | H - Hanging | P - Post-top | A - Top-entry | F - Flood (flood light)
M - Mushroom (42 - 60 mm) | N - Mushroom (76 mm) | L - Scepter

** CUSTOM CONFIGURATION EXAMPLE:
NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's	8			16			24			32		
Nominal current, mA	150	550	710	150	500	780	260	480	710	350	500	760
Power, W	5	15	19	15	25	39	20	35	52	35	50	75
Luminous Flux, lm	560	2000	2500	2180	3600	5400	3000	5100	7200	5400	7400	10400
Efficacy, lm/W	112	133	132	145	144	138	150	149	140	154	148	139
Power factor, PF	0,69	0,90	0,94	0,83	0,93	0,95	0,86	0,94	0,97	0,86	0,93	0,97

Luminaire efficacy				
	2700 K	5 - 75 W	480 - 8900 lm	96 - 132 lm/W
	3000 K	5 - 75 W	530 - 9800 lm	106 - 146 lm/W
	5000 K	5 - 75 W	560 - 10400 lm	112 - 154 lm/W
	5700 K	5 - 75 W	560 - 10400 lm	112 - 154 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's	16			32			48			64		
Nominal current, mA	150	500	780	350	500	760	280	510	680	250	390	520
Power, W	15	25	39	35	50	75	40	75	100	50	75	100
Luminous Flux, lm	2180	3600	5400	5400	7400	10400	6300	11000	14000	7800	11400	14700
Efficacy, lm/W	145	144	138	154	148	139	158	147	140	156	152	147
Power factor, PF	0,83	0,93	0,95	0,86	0,93	0,97	0,89	0,97	0,96	0,84	0,92	0,96

Luminaire efficacy				
	2700 K	15 - 100 W	1830 - 12600 lm	115 - 134 lm/W
	3000 K	15 - 100 W	2020 - 13900 lm	127 - 148 lm/W
	5000 K	15 - 100 W	2180 - 14700 lm	138 - 158 lm/W
	5700 K	15 - 100 W	2180 - 14700 lm	138 - 158 lm/W

ECO

* Data for L01 optic.

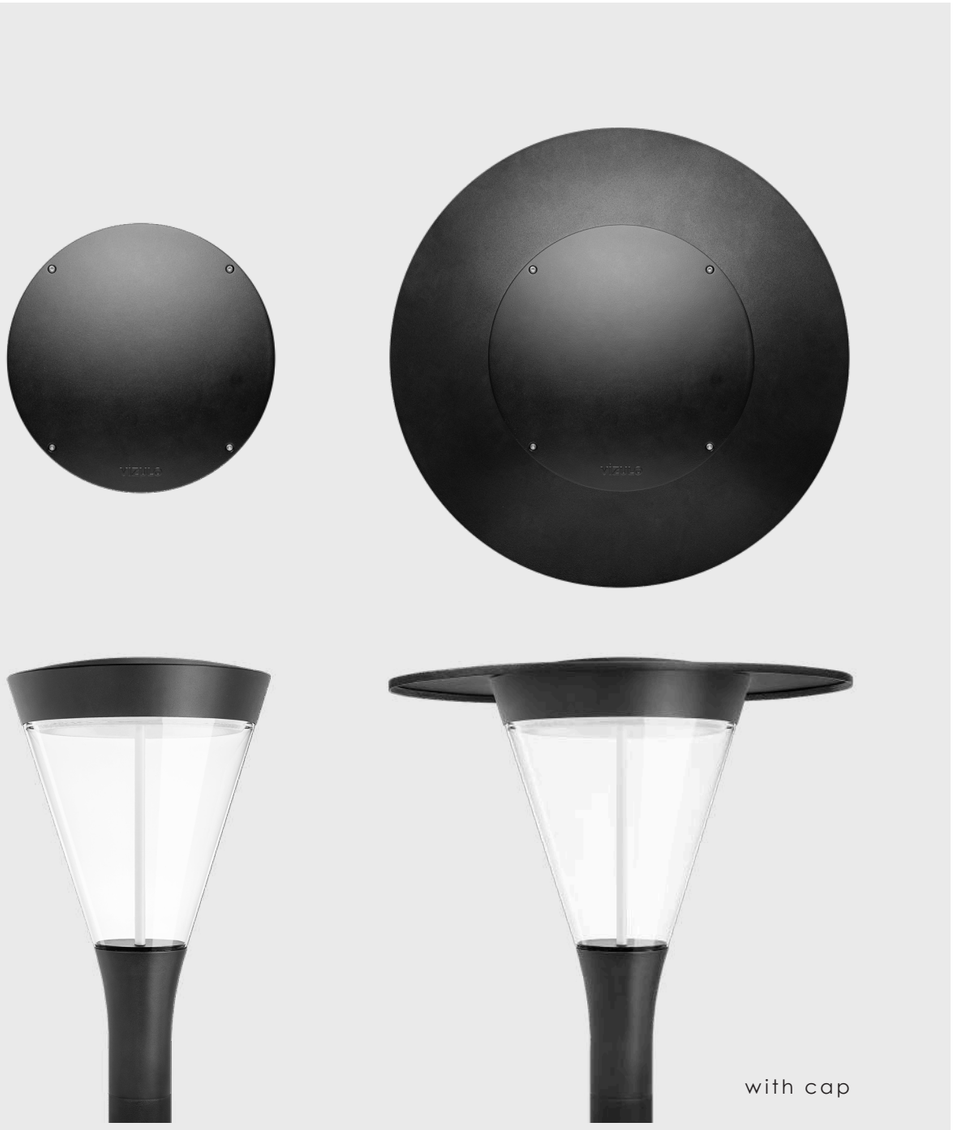
Check VIZULO members section for additional information

4000 K | CRI 70

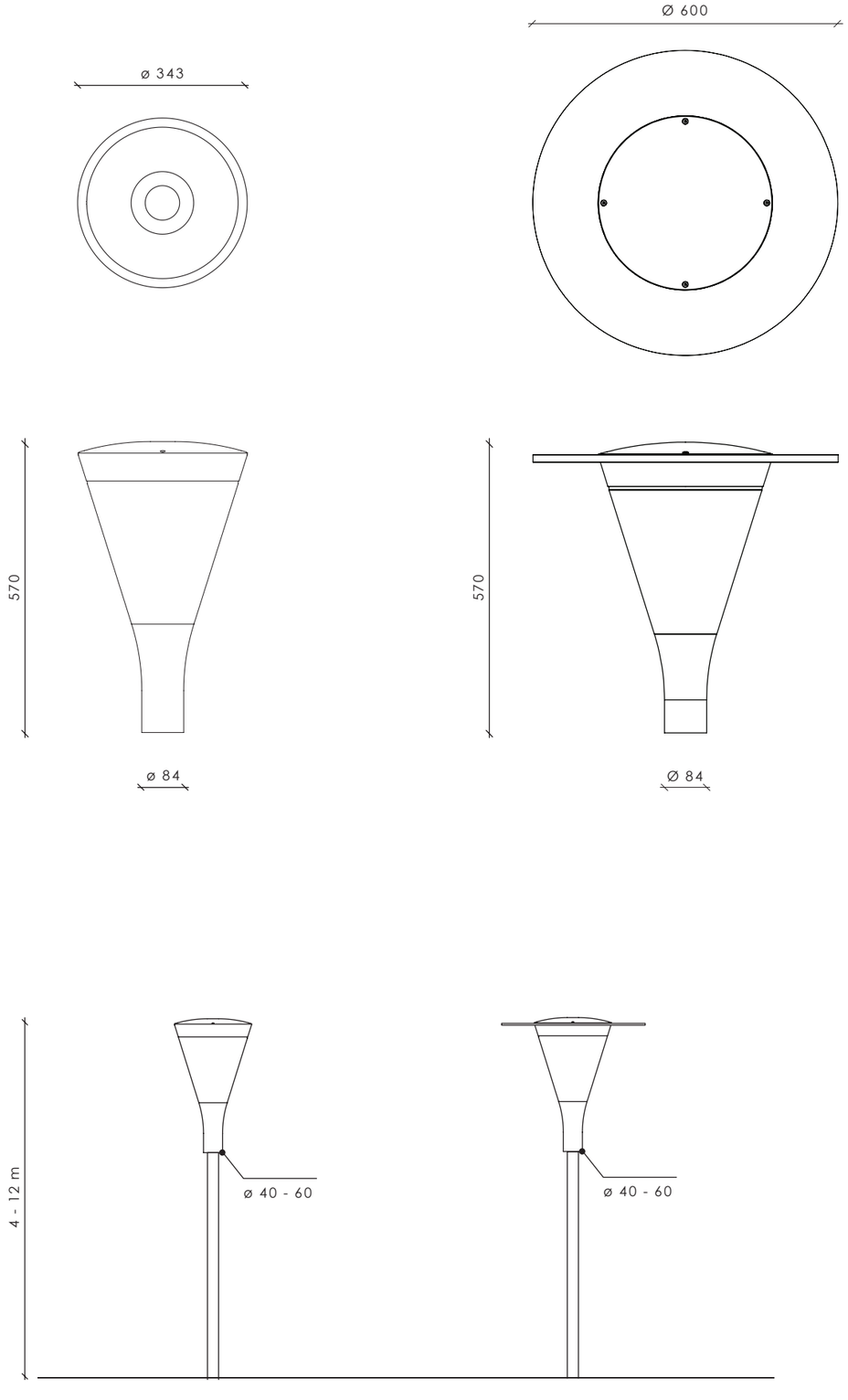
Number of LED's	8			16			24			32		
Nominal current, mA	280	470	700	280	490	720	270	490	650	260	380	500
Power, W	15	25	38	28	50	75	40	75	100	50	75	100
Luminous Flux, lm	2130	3400	4600	4200	6800	9100	6050	10100	12400	7620	10700	13400
Efficacy, lm/W	142	136	121	150	136	121	151	135	124	152	143	134
Power factor, PF	0,90	0,93	0,98	0,95	0,93	0,97	0,89	0,97	0,96	0,93	0,97	0,96

Luminaire efficacy				
	2700 K	5 - 100 W	1990 - 12400 lm	110 - 141 lm/W
	3000 K	5 - 100 W	2100 - 12900 lm	115 - 146 lm/W
	5000 K	5 - 100 W	2130 - 13400 lm	121 - 152 lm/W
	5700 K	5 - 100 W	2130 - 13400 lm	121 - 152 lm/W

Luscinia post top



RAL9006 DB703 RAL9005 Other colors available on request



Technical information

V	198 - 264
Hz	50 - 60
W	5 - 75
lm	490 - 11400 [1]
lm/W	98 - 161
K	2700 / 3000 / 4000 [2]
°C	-40 to +50 (5 - 50 W)
	-40 to +35 (50 - 75 W)
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L95B10) at Ta = 25 °C
100 000 h (L80B10) at Ta = 25 °C (ECO) [4]

Surge protection:	6 kV; 10 kV (optional) [5]
Spigot:	ø 40 - 60 mm
Intelligent light control system:	Radio frequency / Power line [6]
Socket:	Zhaga / NEMA
Body:	Die-cast aluminium
Max. wind load area, SCd, m²:	0,12

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] 10 kV (L-N; L/N-PE) surge protection device available on request

[6] Optional. Available only with DALI ; 1 - 10 V

[7] Safety class II

[8] Check SundaHus web page for product assessment results

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Model name principles

LU

P - Park (post-top) | H - Hanging | A - Top-entry
E - Eco

Power 005 ... 075

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values:
2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 2x2 - L01 ... LZ9
type 8 - V01 ... VZ9
custom configuration - M01 ... NZ9

LED module type
8 LEDs, type 2x2 lens - AA
16 LEDs, type 8 lens - AF
4 LEDs, type 2x2 lens - BG
8 LEDs, type 8 lens - BH
32 LEDs, type 1 lens - BJ
24 LEDs, type 2x2 lens - BL
48 LEDs, type 8 lens - BM

LED quantity 004 ... 048

Color
black (RAL 9005) - CB
silver (RAL 9006) - CS
asphalt (DB 703) - CA
other colors available on request

Dimming
non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
step dimming - S
mains dimming - L
power line communication - P
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z
*custom configuration - X

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation
class I - 1
class II - 2

EXAMPLE LUPE 075 730 L05 BL024 CS NG1

*** CUSTOM CONFIGURATION EXAMPLE**

NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		8			16			24	
Nominal current, mA	140	540	700	280	480	770	260	460	700
Power, W	5	15	19	15	25	39	20	35	52
Luminous Flux, lm	570	2140	2690	2360	3880	5800	3200	5470	7730
Efficacy, lm/W	114	143	142	157	155	149	160	156	149
Power factor, PF	069	0,90	0,94	0,83	0,93	0,98	0,86	0,94	0,97

Luminaire efficacy	2700 K	5 - 52 W	490 - 6630 lm	98 - 135 lm/W
	3000 K	5 - 52 W	540 - 7300 lm	108 - 153 lm/W
	5000 K	5 - 52 W	570 - 7730 lm	114 - 160 lm/W
	5700 K	5 - 52 W	570 - 7730 lm	114 - 160 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		8			16			32			48	
Nominal current, mA	140	540	700	280	480	770	280	510	760	270	410	510
Power, W	5	15	19	15	25	39	28	50	75	40	60	75
Luminous Flux, lm	570	2140	2690	2360	3880	5800	4430	7530	10620	6450	9350	11400
Efficacy, lm/W	114	143	142	157	155	149	158	151	142	161	156	152
Power factor, PF	0,69	0,90	0,94	0,83	0,93	0,98	0,81	0,93	0,97	0,89	0,95	0,97

Luminaire efficacy	2700 K	5 - 75 W	490 - 9770 lm	98 - 139 lm/W
	3000 K	5 - 75 W	540 - 10740 lm	108 - 153 lm/W
	5000 K	5 - 75 W	570 - 11400 lm	114 - 161 lm/W
	5700 K	5 - 75 W	570 - 11400 lm	114 - 161 lm/W

ECO

* Data for L01 optic.

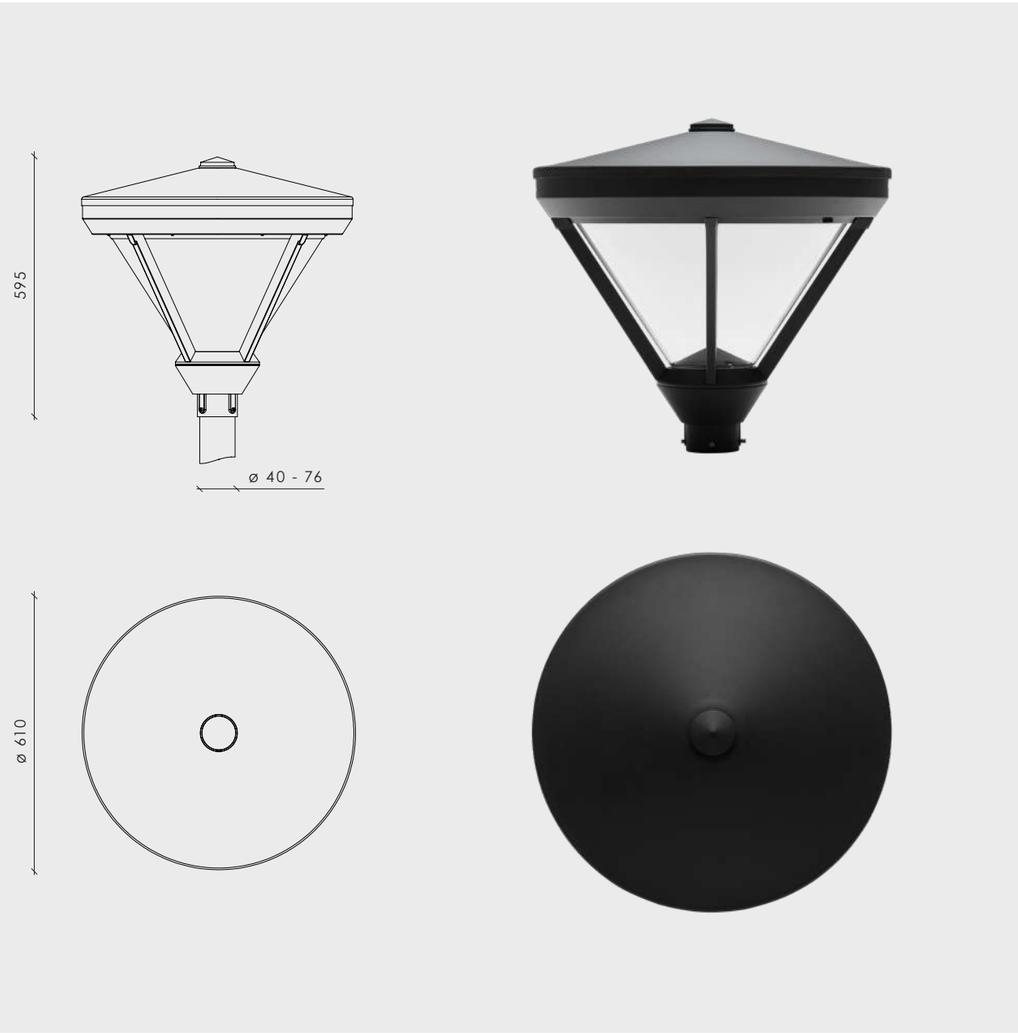
Check VIZULO members section for additional information

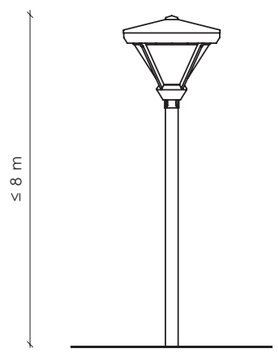
4000 K | CRI 70

Number of LED's		8			16			24	
Nominal current, mA	280	490	700	280	490	715	270	400	500
Power, W	15	26	38	28	50	75	40	60	75
Luminous Flux, lm	2160	3555	4800	4300	6950	9360	6260	8800	10500
Efficacy, lm/W	144	137	126	154	139	125	157	147	140
Power factor, PF	0,90	0,97	0,98	0,95	0,93	0,97	0,89	0,95	0,97

Luminaire efficacy	2700 K	15 - 75 W	2040 - 9830 lm	118 - 147 lm/W
	3000 K	15 - 75 W	2160 - 10500 lm	126 - 157 lm/W
	5000 K	15 - 75 W	2160 - 10500 lm	126 - 157 lm/W
	5700 K	15 - 75 W	2160 - 10500 lm	126 - 157 lm/W

Crocus





Technical information

V	220 - 240
Hz	50 - 60
W	5 - 100
lm	426 - 12235 [1]
lm/W	85 - 137
K	2700 / 3000 / 4000 [2]
°C	-40 to +40
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
> 70 000 h (L90B10) at Ta = 25 °C [4]

Surge protection:	6 kV (L-N) and 10 kV (L/N -PE without DALI connection) [5]
Intelligent light control system:	Radio frequency / Power line [6]
Neto weight:	8,80 - 8,90 kg
Max. wind load area, SCd, m²:	0,19

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Tunable white option available;
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] 10 kV (L-N; L/N-PE) surge protection device available on request

[6] Optional. Available only with DALI ; 1 - 10 V

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		8			16			32			48	
Nominal current, mA	140	540	660	280	480	680	270	400	700	270	480	680
Power, W	5	15	18	15	25	37	27	40	68	40	70	100
Luminous Flux, lm	500	1770	2111	1835	3020	4390	3625	5265	8340	5460	9060	12235
Efficacy, lm/W	100	118	117	122	121	119	134	132	123	137	129	122
Power factor, PF	0,69	0,90	0,93	0,90	0,93	0,97	0,92	0,96	0,98	0,89	0,97	0,96

Luminaire efficacy	2700 K	5 - 100 W	426 - 10480 lm	85 - 117 lm/W
	3000 K	5 - 100 W	470 - 11535 lm	94 - 129 lm/W
	5000 K	5 - 100 W	500 - 12235 lm	100 - 137 lm/W
	5700 K	5 - 100 W	500 - 12235 lm	100 - 137 lm/W

Model name principles

CR ☐☐☐ ☐☐☐ ☐☐☐ ☐☐☐☐ ☐☐ ☐☐☐

Power
005 ... 100

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values:
2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 2x2 - L0I ... L99
custom configuration - M0I ... N99

LED module type
8 LEDs, type 2x2 lens - A
16 LEDs, type 2x2 lens - B

LED quantity
004...048

Color
black (RAL 9005) - CB
other colors available on request

Dimming
non dimmable - N
DALI - D
1-10V - A
midnight dimming - M
step dimming - S
mains dimming - L
power line communication - P
wireless - W

Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation
class I - 1
class II - 2

EXAMPLE CR 010 830 M92 A008 CB NG1

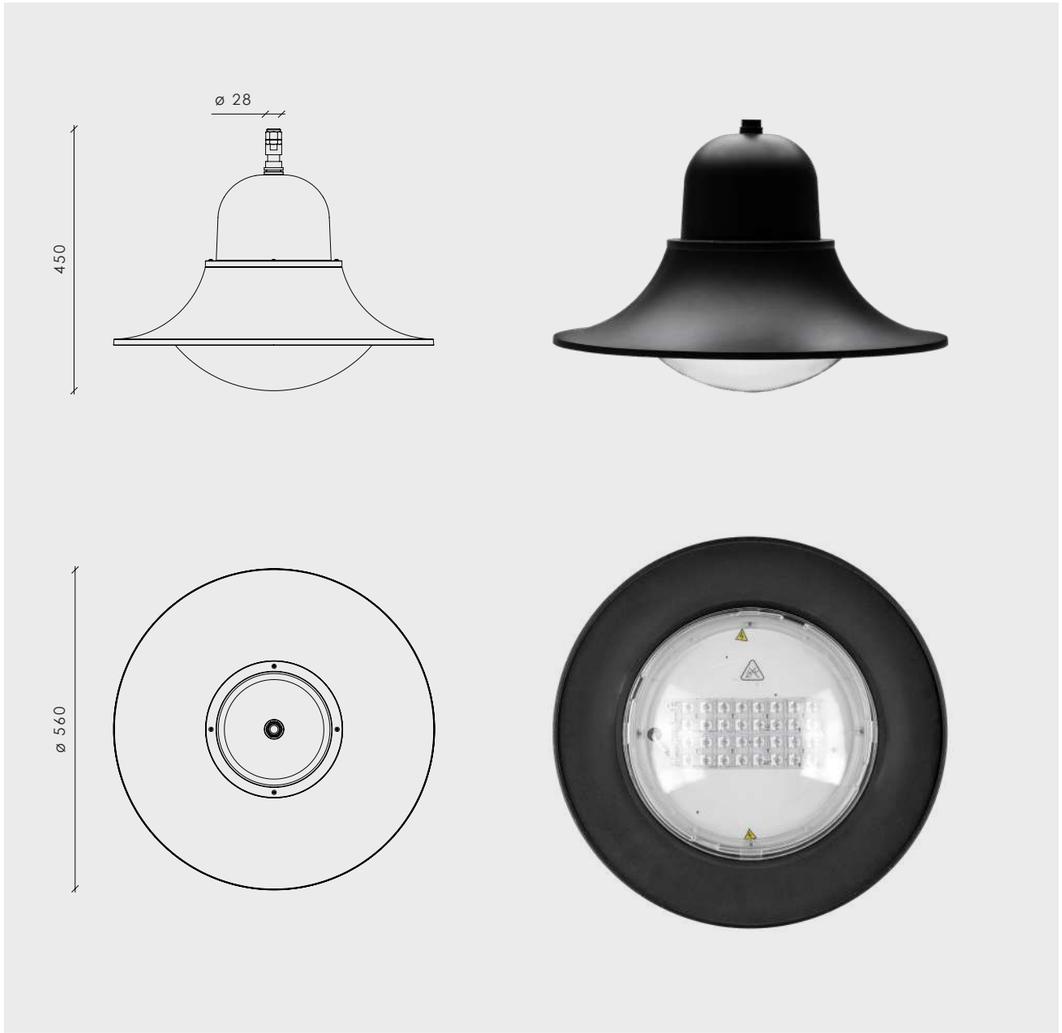


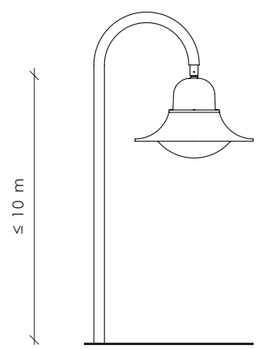
Haapsalu | Estonia



Kuressaare | Estonia

Bell





Technical information

V	220 - 240
Hz	50 - 60
W	5 - 82
lm	490 - 12125 [1]
lm/W	98 - 161
K	2700 / 3000 / 4000 [2]
°C	-40 to +40
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
> 70 000 h (L90B10) at Ta = 25 °C [4]

Surge protection:	6 kV (L-N) and 10 kV (L/N -PE without DALI connection) [5]
Intelligent light control system:	Radio frequency / Power line [6]
Neto weight:	5,52 - 5,62 kg
Max. wind load area, SCd, m²:	0,12

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Tunable white option available;
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] 10 kV (L-N; L/N-PE) surge protection device available on request

[6] Optional. Available only with DALI ; 1 - 10 V

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's	8			16			32			48		
Nominal current, mA	140	540	660	280	480	690	270	400	700	240	410	560
Power, W	5	15	18	15	25	35	27	40	68	35	60	82
Luminous Flux, lm	570	2030	2412	2210	3650	4940	4175	6085	9715	5640	9250	12125
Efficacy, lm/W	114	135	134	147	146	141	155	152	143	161	154	148
Power factor, PF	0,69	0,90	0,93	0,90	0,93	0,97	0,92	0,96	0,98	0,86	0,95	0,98

Luminaire efficacy				
	2700 K	5 - 82 W	490 - 10400 lm	98 - 138 lm/W
	3000 K	5 - 82 W	536 - 11430 lm	107 - 152 lm/W
	5000 K	5 - 82 W	570 - 12125 lm	114 - 161 lm/W
	5700 K	5 - 82 W	570 - 12125 lm	114 - 161 lm/W

Model name principles

BL ☐☐☐ ☐☐☐ ☐☐☐ ☐☐☐☐ ☐☐ ☐☐☐

Power 005 ... 082

Color rendering index

≥70 - 7
≥80 - 8

Color temperature [K]

1800 ... 6500
Standard values:
2700 K - 27
3000 K - 30
4000 K - 40

Lens

type 2x2 - L01 ... L99
custom configuration - M01 ... N99

LED module type

8 LEDs, type 2x2 lens - A
16 LEDs, type 2x2 lens - B

LED quantity

004...048

Color

black (RAL 9005) - CB
other colors available on request

Dimming

non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
step dimming - S
mains dimming - L
power line communication - P
wireless - W

Surge protector

6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

Insulation

class I - 1
class II - 2

EXAMPLE BL 013 730 L01 B016 CB DG1

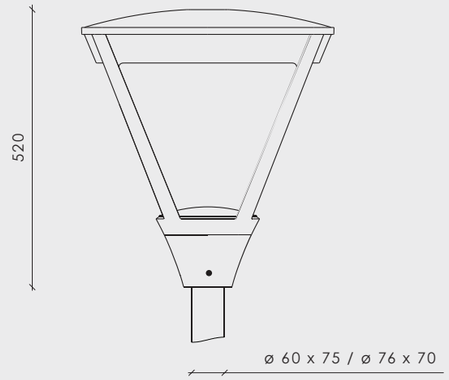


Riga | Latvia

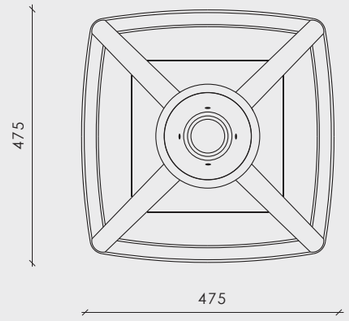


Kuressaare | Estonia

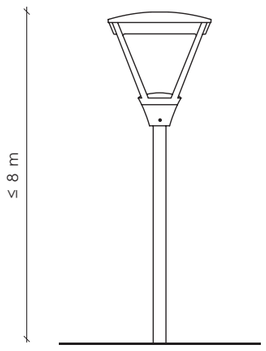
Lilly











Technical information

V	220 - 240
Hz	50 - 60
W	5 - 100
lm	398 - 12475 [1]
lm/W	77 - 131
K	2700 / 3000 / 4000 [2]
°C	-40 to +40
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
> 70 000 h (L90B10) at Ta = 25 °C [4]

Surge protection:	6 kV (L-N) and 10 kV (L/N -PE without DALI connection) [5]
Intelligent light control system:	Radio frequency / Power line [6]
Socket:	Zhaga / NEMA
Neto weight:	10,10 kg
Max. wind load area, SCd, m²:	0,10

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] 10 kV (L-N; L/N-PE) surge protection device available on request

[6] Optional. Available only with DALI ; 1 - 10 V

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		8			16			32	
Nominal current, mA	140	540	670	280	480	730	280	510	770
Power, W	5	15	19	15	25	37	28	50	75
Luminous Flux, lm	463	1680	2110	1800	2960	4200	3610	6140	8650
Efficacy, lm/W	93	112	111	120	118	114	129	123	115
Power factor, PF	0,69	0,90	0,93	0,83	0,93	0,97	0,81	0,93	0,97

Number of LED's		48			64	
Nominal current, mA	270	480	680	250	360	520
Power, W	40	70	100	50	70	100
Luminous Flux, lm	5145	8545	11670	6570	9040	12475
Efficacy, lm/W	129	122	117	131	129	125
Power factor, PF	0,89	0,95	0,97	0,97	0,98	0,99

Luminaire efficacy	2700 K	5 - 100 W	398 - 10700 lm	77 - 113lm/W
	3000 K	5 - 100 W	437 - 11760 lm	87 - 124 lm/W
	5000 K	5 - 100 W	463 - 12475 lm	93 - 131 lm/W
	5700 K	5 - 100 W	463 - 12475 lm	93 - 131 lm/W

High density modules

* Data for V01 optic.

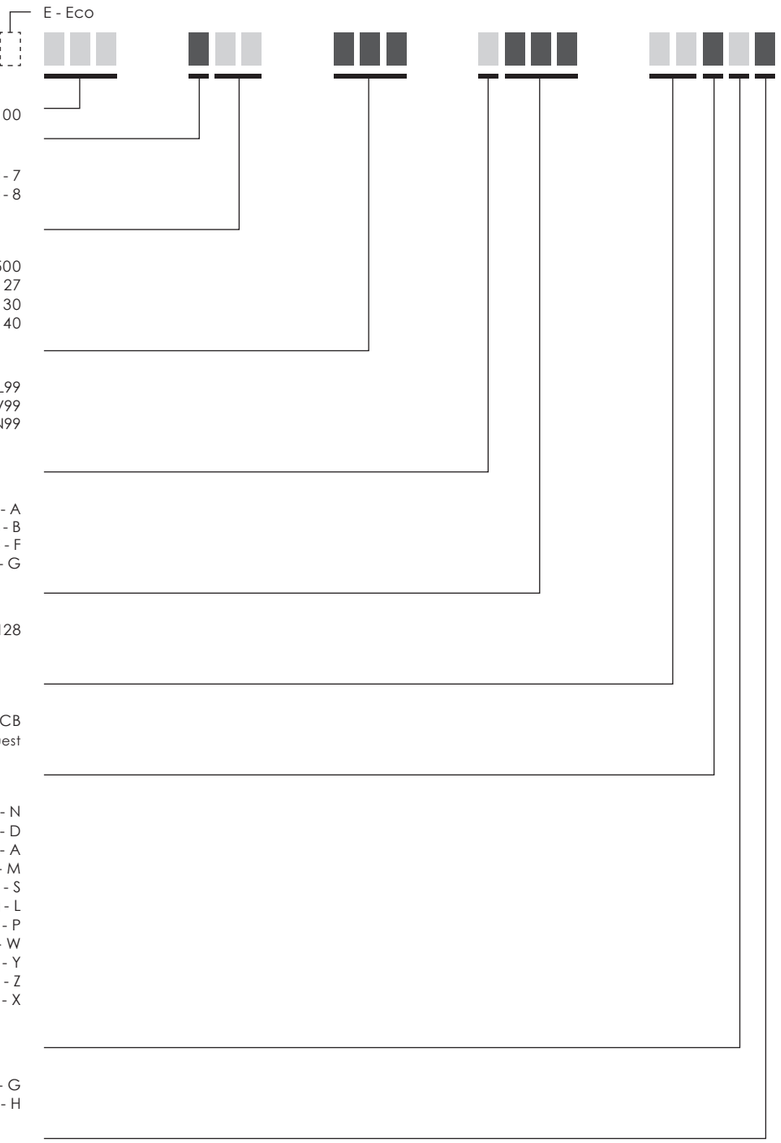
Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		16			32			64	
Nominal current, mA	280	480	770	280	510	770	250	360	520
Power, W	15	25	39	28	50	75	50	70	100
Luminous Flux, lm	1810	3000	4420	3610	6140	8650	6570	9040	12475
Efficacy, lm/W	121	120	113	129	123	115	131	129	125
Power factor, PF	0,83	0,93	0,98	0,81	0,93	0,97	0,97	0,98	0,99

Luminaire efficacy	2700 K	15 - 100 W	1550 - 10700 lm	97 - 113 lm/W
	3000 K	15 - 100 W	1700 - 11760 lm	107 - 124 lm/W
	5000 K	15 - 100 W	1810 - 12475 lm	113 - 131 lm/W
	5700 K	15 - 100 W	1810 - 12475 lm	113 - 131 lm/W

Model name principles



Power
005 ... 100

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values:
2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 2x2 - L0l ... L99
type 8 - V01 ... V99
custom configuration - M0l ... N99

LED module type
8 LEDs, type 2x2 lens - A
16 LEDs, type 2x2 lens - B
16 LEDs, type 8 - F
32 LEDs, type 8 - G

LED quantity
004...128

Color
black (RAL 9005) - CB
other colors available on request

Dimming
non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
step dimming - S
mains dimming - L
power line communication - P
wireless - W
NEMA socket (DALI) - Y
Zhaga socket (DALI) - Z
*custom configuration - X

Surge protection
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H

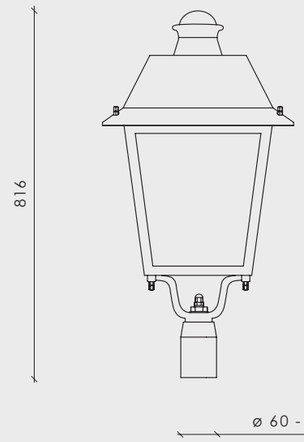
Insulation
class I - 1
class II - 2

EXAMPLE LY 014 830 L01 A016 CHNG1

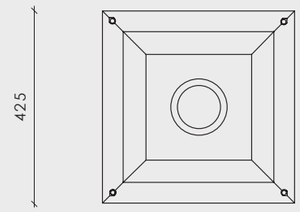
*** CUSTOM CONFIGURATION EXAMPLE**

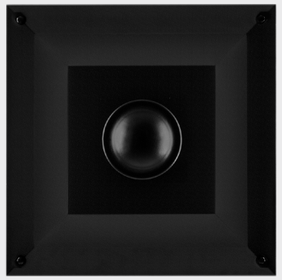
NEMA socket + Zhaga socket; NEMA socket + Zhaga socket + midnight dimming; etc.
Custom configuration information is available in order confirmation.

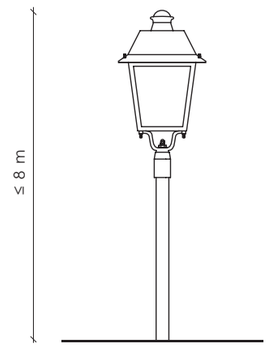
Orris basic











Technical information

V	220 - 240
Hz	50 - 60
W	5 - 75
lm	400 - 8920 [1]
lm/W	80 - 128
K	2700 / 3000 / 4000 [2]
°C	-40 to +50 (5 - 50 W) -40 to +40 (50 - 75 W)
CRI	>70 / >80 [3]

1 - 10 V; DALI; Midnight dimming
Chromaticity tolerance (initial MacAdam): 5
Warranty 5 years
100 000 h (L90B10) at Ta = 25 °C [4]

Surge protection:	6 kV (L-N) and 10 kV (L/N -PE without DALI connection) [5]
Intelligent light control system:	Radio frequency / Power line [6]
Socket:	Zhaga
Neto weight:	7,51 - 7,59 kg
Max. wind load area, SCd, m²:	0,09

[1] Lumen output indicated at CRI > 70

[2] 1800 / 2200 / 5000 / 5700 / 6500 K available on request;
Tunable white option available;
Amber option available

[3] Luminaries with color rendering index (CRI): Ra > 90 on request

[4] Average lifetime value for ECO model at Ta = 25 °C is 100 000 h L80/B10*

[5] 10 kV (L-N; L/N-PE) surge protection device available on request

[6] Optional. Available only with DALI ; 1 - 10 V

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models and will reach 100 000 h L90/B10. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes

Standard modules

* Data for L01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		8			16			24	
Nominal current, mA	140	540	670	280	480	730	270	470	700
Power, W	5	15	19	15	25	37	21	35	52
Luminous Flux, lm	463	1680	2110	1800	2960	4200	2680	4365	6145
Efficacy, lm/W	93	112	111	120	118	114	128	125	118
Power factor, PF	0,69	0,90	0,93	0,83	0,93	0,97	0,87	0,94	0,97

Luminaire efficacy	2700 K	5 - 52 W	400 - 5270 lm	80 - 109 lm/W
	3000 K	5 - 52 W	437 - 5800 lm	88 - 120 lm/W
	5000 K	5 - 52 W	463 - 6145 lm	93 - 128 lm/W
	5700 K	5 - 52 W	463 - 6145 lm	93 - 128 lm/W

High density modules

* Data for V01 optic.

Check VIZULO members section for additional information

4000 K | CRI 70

Number of LED's		16			32			48	
Nominal current, mA	280	480	770	280	510	770	270	410	510
Power, W	15	25	39	28	50	75	40	60	75
Luminous Flux, lm	1920	3155	4680	3710	6235	8750	5100	7320	8920
Efficacy, lm/W	128	126	120	133	125	117	128	122	119
Power factor, PF	0,83	0,93	0,98	0,81	0,93	0,97	0,89	0,95	0,97

Luminaire efficacy	2700 K	5 - 75 W	1550 - 7640 lm	97 - 110 lm/W
	3000 K	5 - 75 W	1700 - 8400 lm	106 - 120 lm/W
	5000 K	5 - 75 W	1920 - 8920 lm	117 - 128 lm/W
	5700 K	5 - 75 W	1920 - 8920 lm	117 - 128 lm/W

Model name principles

ORB

Power
005 ... 075

Color rendering index
≥70 - 7
≥80 - 8

Color temperature [K]
1800 ... 6500
Standard values:
2700 K - 27
3000 K - 30
4000 K - 40

Lens
type 2x2 - L0l ... L99
type 8 - V0l ... V99
custom configuration - M0l ... N99

LED module type
8 LEDs, type 2x2 lens - A
16 LEDs, type 8 lens - F

LED quantity
004...048

Color
black (RAL 9005) - CB
other colors available on request

Console
60 mm - N

Dimming
non dimmable - N
DALI - D
1-10 V - A
midnight dimming - M
step dimming - S
mains dimming - L
power line communication - P
wireless - W
Zhaga socket (DALI) - Z

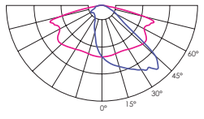
Surge protector
6 kV ... 10 kV integrated in driver - G
separate built-in 10 kV/10 kA SPD - H
separate built-in 30 kV/15 kA SPD - K

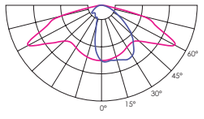
Insulation
class I - 1
class II - 2

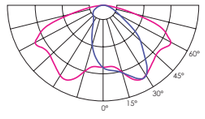
EXAMPLE ORB 032 730 L35 A016 CBN MG1

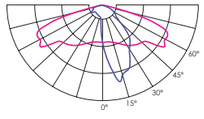
Optics floodlight luminaires

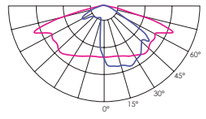
Standard modules *

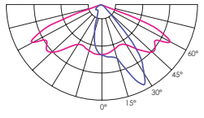
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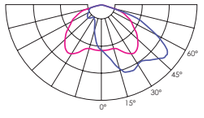
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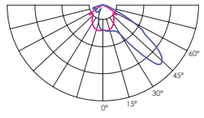
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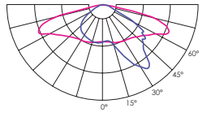
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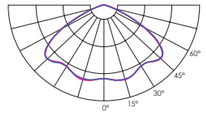
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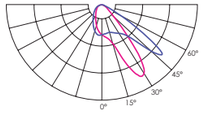
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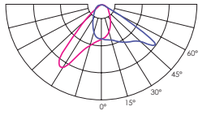
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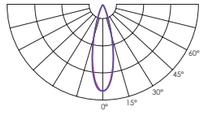
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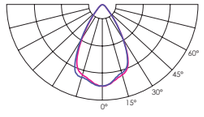
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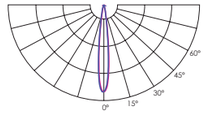
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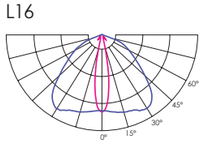
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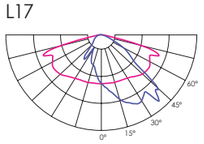
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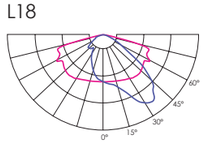
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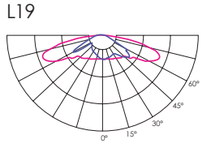
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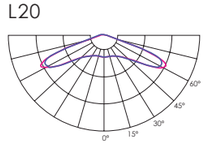
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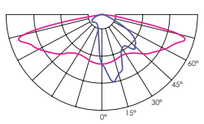
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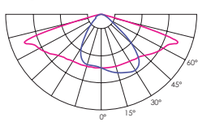
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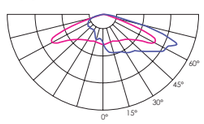
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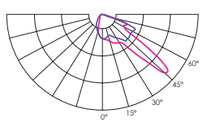
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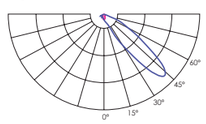
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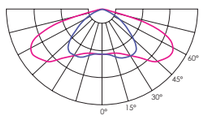
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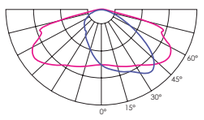
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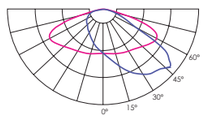
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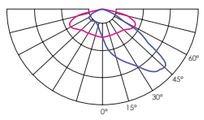
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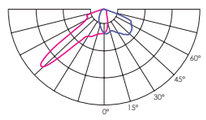
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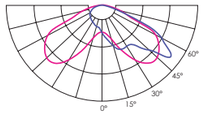
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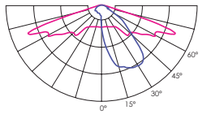
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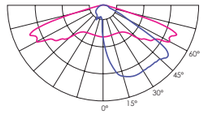
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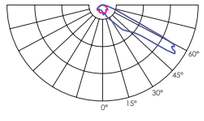
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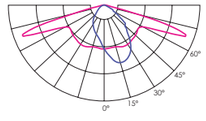
L46


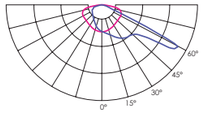
L55


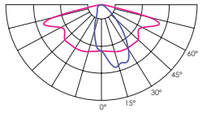
L56


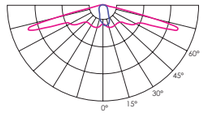
L58


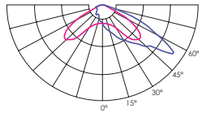
L60


L63


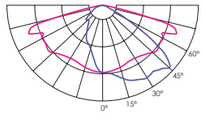
L66


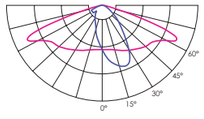
L90


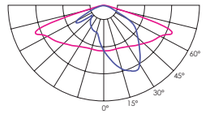
L94


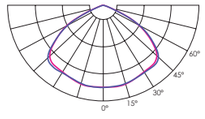
LC1


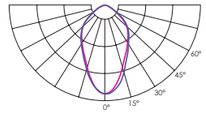
High density modules *

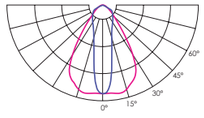
V01


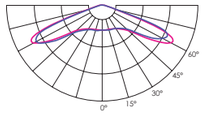
V04


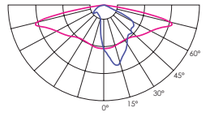
V05


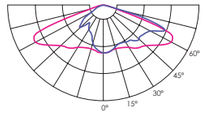
V10


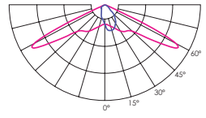
V13


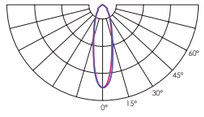
V16


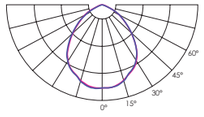
V20


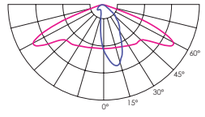
V22


V35


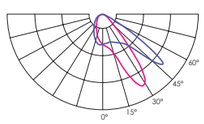
V45


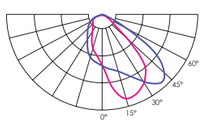
V52


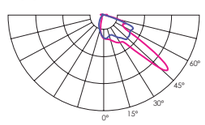
V53


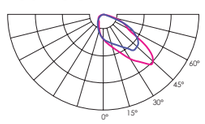
V57


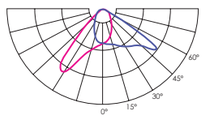
Pedestrian crossing optics

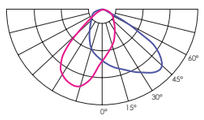
L11


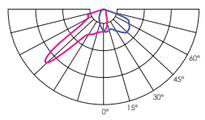
L11 ECO


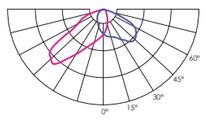
L36


L36 ECO


L12


L12 ECO


L46


L46 ECO


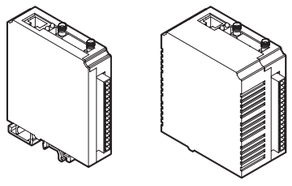
* Optic distribution diagrams are **only for visual purposes**.
Check VIZULO members section for precise information.

Accessories

Citintelly Segment controller

Segment Controller receives commands from Citintelly server via GSM and transmits tasks to Luminaire Controller via radio frequency communication.

Art. 70010004

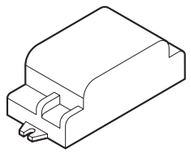


Citintelly Luminaire controller

Luminaire Controller is wireless mesh-networking device that uses 868 MHz for communication with Segment Controller and other Luminaire Controllers. It is delivered in various configurations to meet the needs of your applications.

Art. 70010001 / LC2M-23-05-R Luminaire Controller - 2 relays

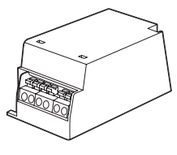
Art. 70010002 / LC2M-12-05-R Luminaire Controller - 1 relay



Citintelly Surge Protection device

Surge Protection device offersprotection against lighting surges;
Voltage Protection level up (L-N) ≤ 1,5 kV
Voltage Protection level up (L/N-PE) ≤ 2,0 kV
U_{oc} = 10 kV
I_{max} = 10 kA
I_{nom} = 5 kA

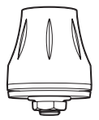
Art. 70020001



Radio Frequency Antenna

Heavy duty IP67 enclosure
Mounted in cabinet or luminaire body with 14 mm screw
SMA connector

Art. 70000108



NEMA Socket

2213362-3, 5 pin NEMA socket 105°C wires *Art. 70000362*

2213362-4, 7 pin NEMA socket 105°C wires *Art. 70000333*



Dummy Link for NEMA Socket

Art. 70000113



Zhaga socket no cap

Art. 70000612



Zhaga socket with cap

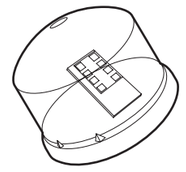
Art. 70000613



MSLC205RG Luminaire controller + radar, Zhaga, 80mm

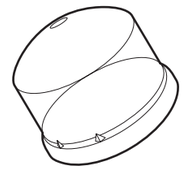
Compatible with:
Stork, Stork little brother, Micro martin, Micro martin smooth, Micro martin tool-less, Micro martin tool-less | smooth, Blackbird side-entry, Blackbird post top, Blackbird hanging, Stork flood, Stork little brother flood, Micro martin flood

Art. 70010027



MSLC205RGL Luminaire controller, Zhaga, 80mm

Art. 70010029

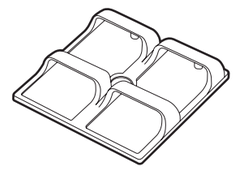


Backlight cutter | black

Art. 70000661

Backlight cutter | white

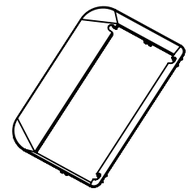
Art. 70000662



Internal light reflector

Compatible with Colibri

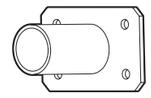
Art. 70083002



Wall mounting bracket

Spigot size 40 - 60 mm

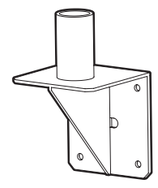
Art. 70044001



Wall mounting bracket

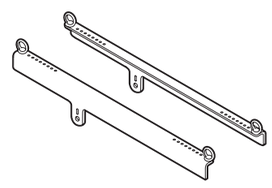
Vertical

Art. 70044004



High Bay Suspension brackets

Art. 70000101



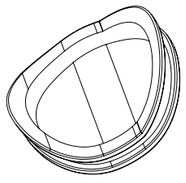
Console adapter
40 mm to 30 mm

Art. 70055002



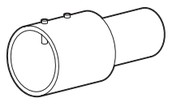
Cover for bottom console opening
Compatible with Colibri, Colibri Midi

Art. 70083001



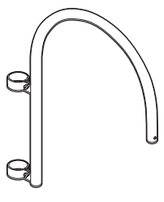
Console adapter
Spigot size 60 - 76 mm

Art. 70044002



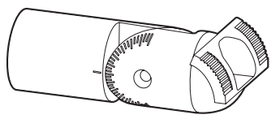
Console

Art. 70054001



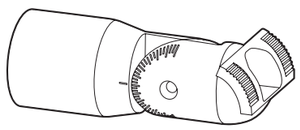
Adjustable Console ±90°
40 mm to 60 mm - Mini Martin / Micro Martin

Art. 70055005



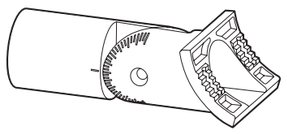
Adjustable Console ±90°
60 mm to 76 mm - Mini Martin / Micro Martin

Art. 70055006



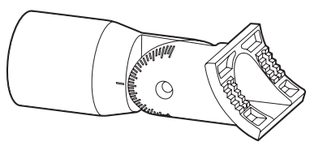
Adjustable Console ±90°
60 mm - Mini Martin / Micro Martin

Art. 70044012



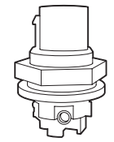
Adjustable Console ±90°
76 mm - Mini Martin / Micro Martin

Art. 70044013



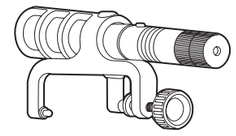
Device connector
Device connectors, standard M25, RST20i5, 5 pole, male, screw connection
250/400 V, 20 A

Art. 70000315



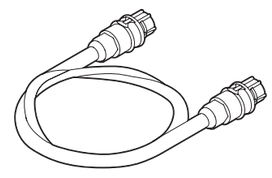
Laser pointer with bracket
Compatible with Eagle

Art. 70000714



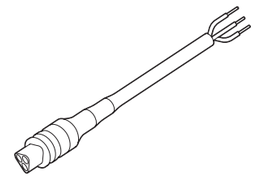
Pre-installed cable sets
For external power supply

0,5 m long cable ..... *Art. 70000436*
5 m long cable ..... *Art. 70000437*
6 m long cable ..... *Art. 70000438*
8 m long cable ..... *Art. 70000439*
10 m long cable ..... *Art. 70000440*
12 m long cable ..... *Art. 70000441*
18 m long cable ..... *Art. 70000442*
20 m long cable ..... *Art. 70000443*
22 m long cable ..... *Art. 70000444*
25 m long cable ..... *Art. 70000445*



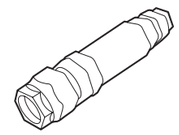
Connection cable
Male - free end, length 1 m, RST20i3, 3 pole, 250V, 16 A, cable type H05VV, cross section 1,5 mm²

Art. 70000363



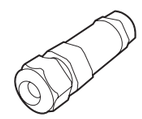
Connector
IP66 rated connector offers easy installation of the street luminaires.
3 wire cable connector

Art. 70000313

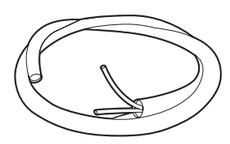


Connector
IP66 rated connector offers easy installation of the street luminaires.
5 wire cable connector

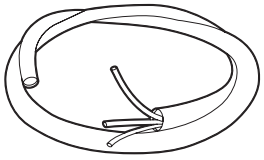
Art. 70000304



Pre-installed cable sets
For iternal power supply:
2 x 1,5mm - 0,5m long cable ..... *Art. 70000418*
2 x 1,5mm - 5m long cable ..... *Art. 70000342*
2 x 1,5mm - 6m long cable ..... *Art. 70000337*
2 x 1,5mm - 8m long cable ..... *Art. 70000344*
2 x 1,5mm - 10m long cable ..... *Art. 70000338*
2 x 1,5mm - 12m long cable ..... *Art. 70000345*
2 x 1,5mm - 18m long cable ..... *Art. 70000419*



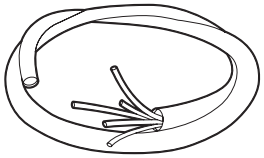
Pre-installed cable sets



For iternal power supply:

3 x 1,5 mm - 0,5 m long cable ..... *Art. 70000319*
3 x 1,5 mm - 5 m long cable ..... *Art. 70000320*
3 x 1,5 mm - 6 m long cable ..... *Art. 70000321*
3 x 1,5 mm - 8 m long cable ..... *Art. 70000322*
3 x 1,5 mm - 10 m long cable ..... *Art. 70000323*
3 x 1,5 mm - 12 m long cable ..... *Art. 70000324*
3 x 1,5 mm - 18 m long cable ..... *Art. 70000325*
3 x 1,5 mm - 20 m long cable ..... *Art. 70000425*
3 x 1,5 mm - 22 m long cable ..... *Art. 70000426*
3 x 1,5 mm - 25 m long cable ..... *Art. 70000427*
3 x 1,5 mm - 32 m long cable ..... *Art. 70000430*
3 x 1,5 mm - 42 m long cable ..... *Art. 70000431*
3 x 1,5 mm - 50 m long cable ..... *Art. 70000432*

Pre-installed cable sets



For iternal power supply:

5 x 1,5 mm - 0,5 m long cable ..... *Art. 70000305*
5 x 1,5 mm - 5 m long cable ..... *Art. 70000316*
5 x 1,5 mm - 6 m long cable ..... *Art. 70000317*
5 x 1,5 mm - 8 m long cable ..... *Art. 70000318*
5 x 1,5 mm - 10 m long cable ..... *Art. 70000306*
5 x 1,5 mm - 12 m long cable ..... *Art. 70000307*
5 x 1,5 mm - 18 m long cable ..... *Art. 70000308*
5 x 1,5 mm - 20 m long cable ..... *Art. 70000428*
5 x 1,5 mm - 22 m long cable ..... *Art. 70000429*
5 x 1,5 mm - 25 m long cable ..... *Art. 70000429*
5 x 1,5 mm - 32 m long cable ..... *Art. 70000433*
5 x 1,5 mm - 42 m long cable ..... *Art. 70000434*
5 x 1,5 mm - 50 m long cable ..... *Art. 70000435*

Notes