


vizULO



Mini Martin

SMOOTH

CE RoHS 



Architectural & Landscape

Sports Lighting

Large Outdoor Industrial Area

Agricultural Area

Ventilation cable gland

Combines pressure equalization and cable gland in a single unit. It ensures high air flow rates as well as high water protection capacity

Glass

Flat glass. Glass is fixed to die-cast aluminium frame with metal clips and can easily be replaced

LED module

High quality LED's with optimal thermal resistance and energy consumption characteristic, for high lumen output and long expected life time. Color temperature available: 3000K, 4000K

(5000K, 5700K available on customer request)

Intelligent light control system

Power line or radio frequency

Protection

IP66 for the complete luminaire

Module temperature control

The LED driver will start reducing the light output when the LED's approach critical temperature. The temperature is measured via a sensor placed on the PCB

(function available on customer request)

Body

Die-cast aluminium

Lighting protection

Built-in surge protection starting from 3 kV till 10 kV

Light regulation

MINI MARTIN drivers offer integrated midnight dimming and network-controlled 1-10V and DALI protocols

Impact resistance

IK08 (Vandal protected)
for the complete luminaire



Traffic roads

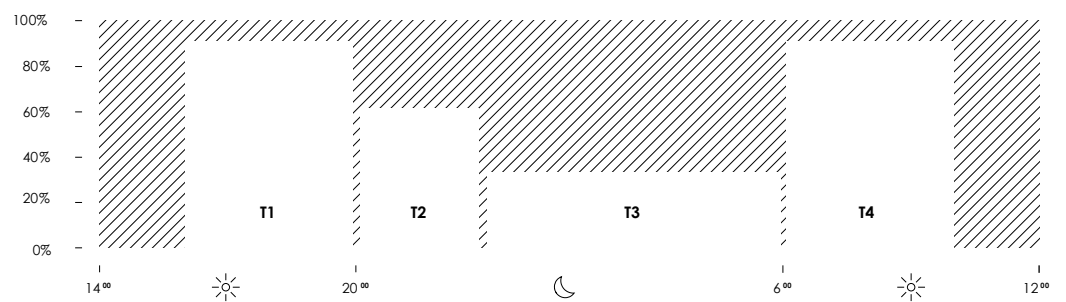
Pedestrian Roads

Residential Street/Area

City Centre

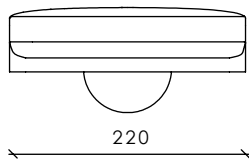
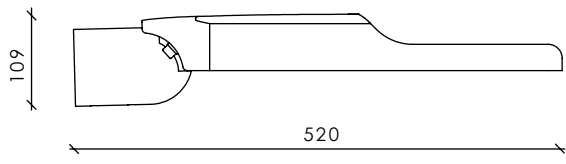
Midnight dimming

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.



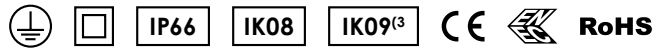
Mini martin smooth





Other colors
available on request

Technical information



V	220 - 240	1-10V; DALI; Midnight dimming
Hz	50 - 60	Chromaticity tolerance (initial MacAdam): 5
W	10 - 75	Radio frequency
lm	891 - 9800	Warranty 5 years
lm/W	89 - 136	100 000 h (L95B10C10) at Ta = 25 °C
K	3000 / 4000 / 5000	
°C	-40 to +50	
CRI	>70 / >80 ⁽¹⁾	<i>Surge protection:</i> 6kV (L-N) and 10 kV (L/N -PE without DALI connection) ⁽²⁾
		<i>Body:</i> Die-cast aluminum

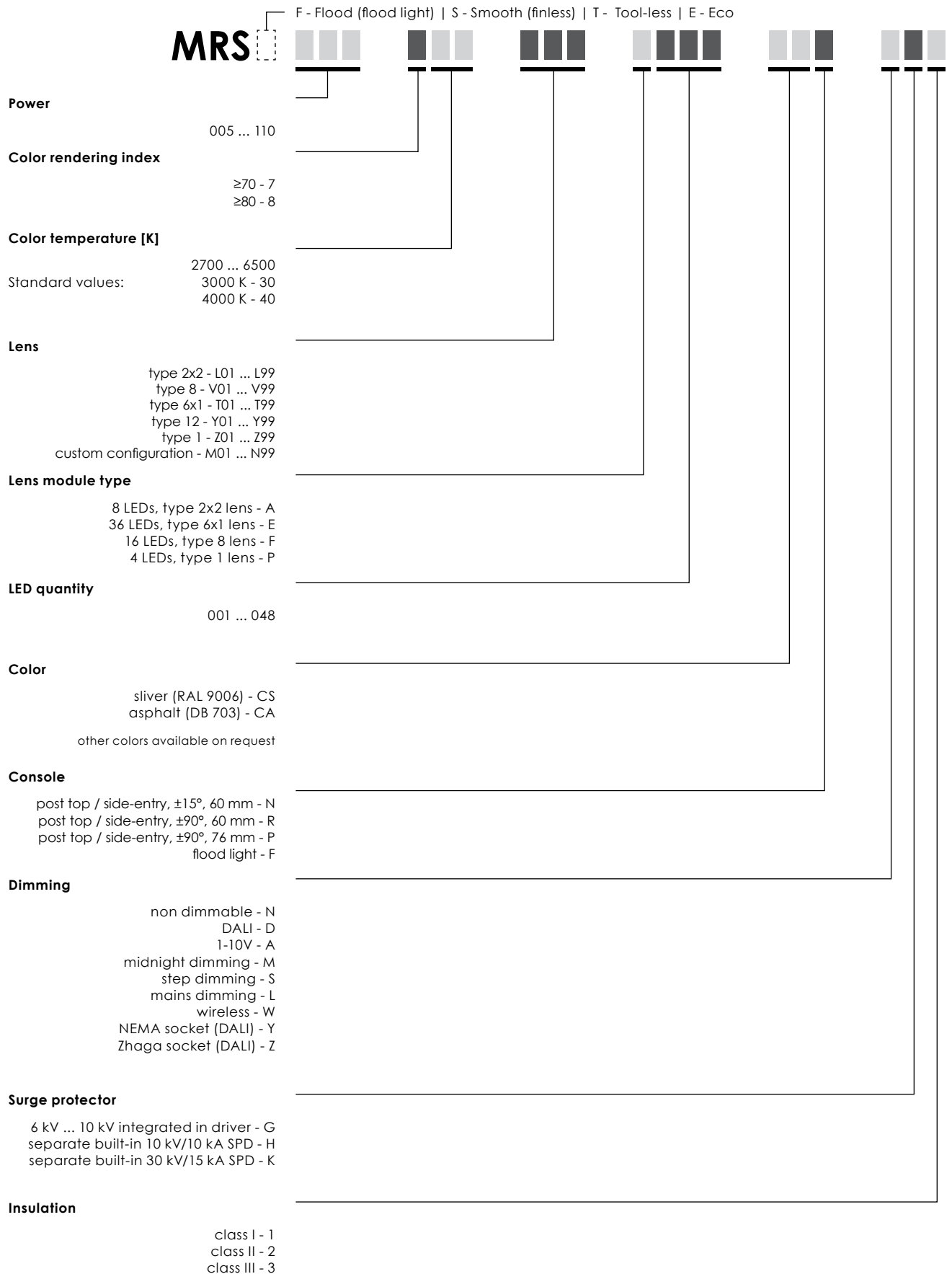
(1) Luminaries with color rendering index (CRI): Ra >90 on request

(2) 10 kV (L-N; L/N-PE) surge protection device available on request

(3) IK09 - screw version with tempered unprinted glass

Standard configuration 35 cm cable. for easy installation, please see accessories- cable connector.
(This accessories are not included in standard price)

Model name principles



EXAMPLE MRS 050 740 L01 A024 CSN DG1

Standard modules

*Only with optic 01 / 02 / 03

4000K

Number of LED's	8			16			24			36*		
Nominal current, mA	350	520	700	350	500	700	350	500	700	350	500	710
Power, W	10	15	19	20	26	35	29	39	52	40	55	78
Luminous Flux, lm	1220	1820	2260	2550	3310	4350	3810	5060	6580	5470	7390	9930
Efficacy, lm/W	122	121	119	128	127	124	131	130	127	137	134	127
Power factor, PF	0,84	0,92	0,96	0,91	0,95	0,97	0,93	0,95	0,97	0,95	0,98	0,98

Luminaire efficacy	3000 K	10 - 78 W	1060 - 9610 lm	102 - 124 lm/W
	4000 K	10 - 78 W	1220 - 9930 lm	119 - 137 lm/W
	5000 K	10 - 78 W	1220 - 9930 lm	119 - 137 lm/W

High density modules

Only with optic 01 / 04 / 05 / 20 / 22 / 35

4000K

Number of LED's	16			32			48			
Nominal current, mA	350	500	700	370	500	700	350	500	700	760
Power, W	20	26	35	37	50	68	51	72	102	110
Luminous Flux, lm	2550	3310	4350	5010	6650	8690	7120	9710	13190	13550
Efficacy, lm/W	128	127	124	135	133	128	140	135	129	123
Power factor, PF	0,91	0,95	0,97	0,95	0,97	0,98	0,95	0,97	0,98	0,97

Luminaire efficacy	3000 K	20 - 110 W	2470 - 13620 lm	114 - 131 lm/W
	4000 K	20 - 110 W	2550 - 13550 lm	124 - 140 lm/W
	5000 K	20 - 110 W	2550 - 14070 lm	134 - 140 lm/W

4000K

Number of LED's	8			16			24		
Nominal current, mA	350	500	700	350	500	700	350	500	700
Power, W	19	26	38	37	52	75	54	76	110
Luminous Flux, lm	2580	3390	4460	5120	6770	8920	7680	10070	13270
Efficacy, lm/W	136	130	117	138	130	119	142	133	121
Power factor, PF	0,85	0,9	0,91	0,94	0,97	0,98	0,97	0,98	0,99

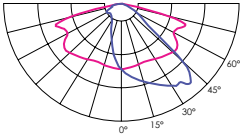
Logistic information

Carton size/cm L*W*H	Quantity per carton/pcs	Pallet quantity in 20' sea container	Pallet quantity in 40' sea container	QTY per pallet/pcs	Full palette size/cm L*W*H	Number of luminaires per row	Number of rows
54,5 x 23,5 x 16,5	1	20	25	70	120 x 80 x 177	7	10

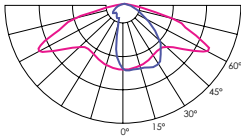
	NETO WEIGHT/KG		BRUTO WEIGHT/KG	
	Per 1 pcs	Per pallet	Per 1 pcs	Per pallet
MINI MARTIN 1 module luminaires	5,5	385	6,1	427
MINI MARTIN 2 module luminaires	5,55	388,5	6,15	430,5
MINI MARTIN 3 module luminaires	5,6	392	6,2	434
MINI MARTIN 4 module luminaires	5,65	395,5	6,25	437,5

Optics

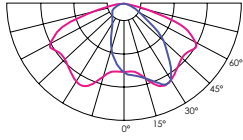
01



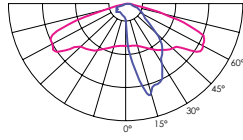
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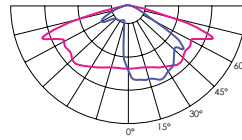
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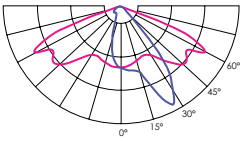
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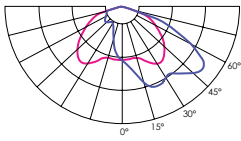
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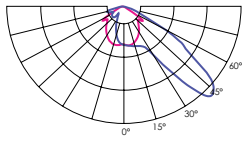
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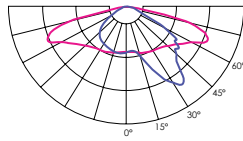
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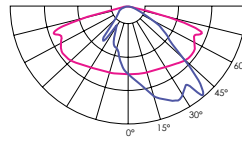
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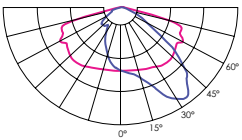
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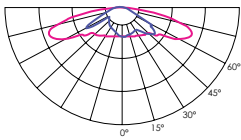
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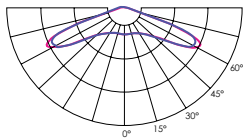
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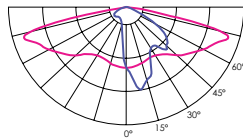
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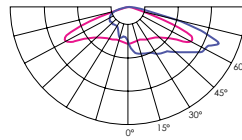
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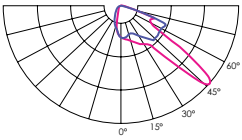
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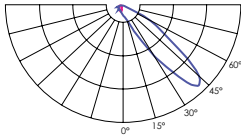
35



36



37

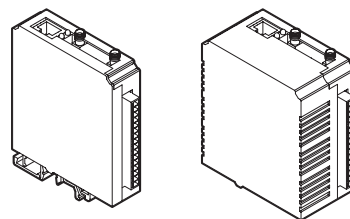


Accessories

Citintelly Segment controller

Segment Controller receives commands from Citintelly server via GSM and transmits tasks to Luminaire Controller via radio frequency communication.

Art. 70010004

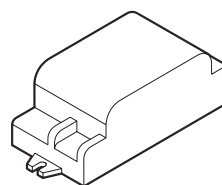


Citintelly Luminaire controller

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 offers protection against lighting surges;

Voltage Protection level up (L-N) $\leq 1,5$ kV

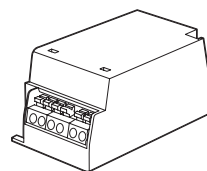
Voltage Protection level up (L/N-PE) $\leq 2,0$ kV

$U_{oc} = 10$ 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



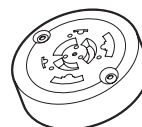
NEMA Socket

2213362-3, 5 pin NEMA socket 105°C wires

2213362-4, 7 pin NEMA socket 105°C wires

Art. 70000362

Art. 70000333



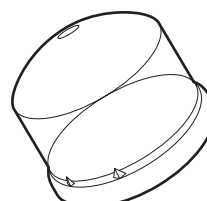
Dummy Link for NEMA Socket

Art. 70000113



MSLC205RGL Luminaire controller, Zhaga, 80mm

Art. 70010029



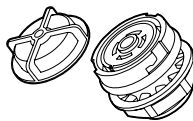
Zhaga socket no cap

Art. 70000612



Zhaga socket with cap

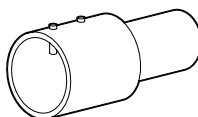
Art. 70000613



Console adapter

Spigot size 60 - 76mm

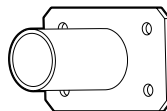
Art. 70044002



Wall mounting bracket

Spigot size 40 - 60 mm

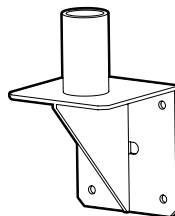
Art. 70044001



Wall mounting bracket

Vertical

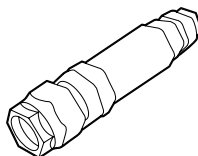
Art. 70044004



Connector

IP66 rated connector offers easy installation of the street luminaires.
3 wire cable connector

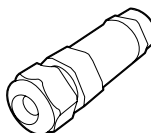
Art. 70000313



Connector

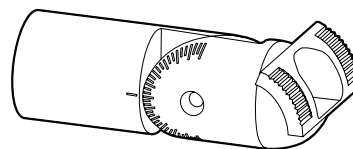
IP66 rated connector offers easy installation of the street luminaires.
5 wire cable connector

Art. 70000304



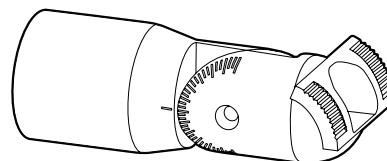
Adjustable Console ±90°
60 mm - Mini Martin / Micro Martin

Art. 70055005



Adjustable Console ±90°
76 mm - Mini Martin / Micro Martin

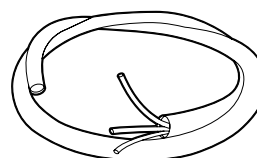
Art. 70055006



Pre-installed cable sets

For internal power supply:

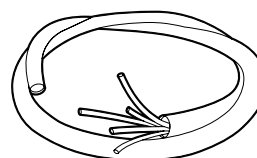
3 x 1,5 mm - 0,5 m long cable.....	Art. 70000319
3 x 1,5 mm - 5 m long cable.....	Art. 70000320
3 x 1,5 mm - 6 m long cable.....	Art. 70000321
3 x 1,5 mm - 8 m long cable.....	Art. 70000322
3 x 1,5 mm - 10 m long cable.....	Art. 70000323
3 x 1,5 mm - 12 m long cable.....	Art. 70000324
3 x 1,5 mm - 18 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 internal 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



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