

vizULO

PRELIMINARY



BLACKBIRD MINI

Spot Bracket Mount



Architectural & Landscape

Outdoor Industrial 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

LED module

High quality LED's with optimal thermal resistance and energy consumption characteristic, for high lumen output and long expected life time.
Available color temperature: 2700 K, 3000 K, 4000 K
(1800 K, 2200 K, 3500 K, 5000 K, 5700 K, 6500 K available on customer request)

Protection

IP66 for the complete luminaire

Body

Die-cast aluminium

Sockets

Zhaga socket compatible

Light regulation

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

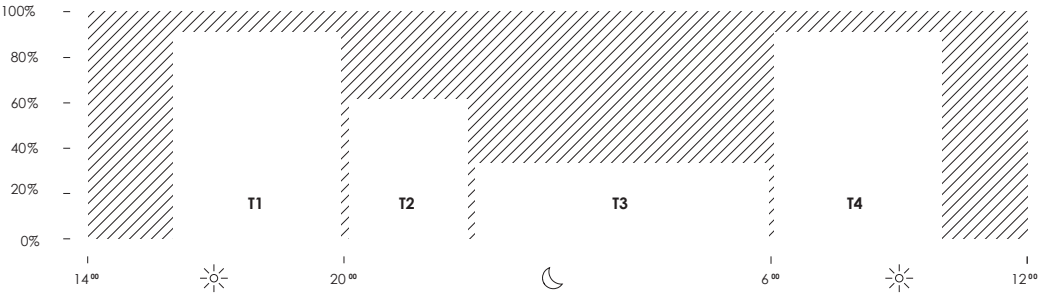
Impact resistance

IK09 (Vandal protected) for the complete luminaire

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.



Blackbird mini

spot bracket mount



RAL7035



RAL9006

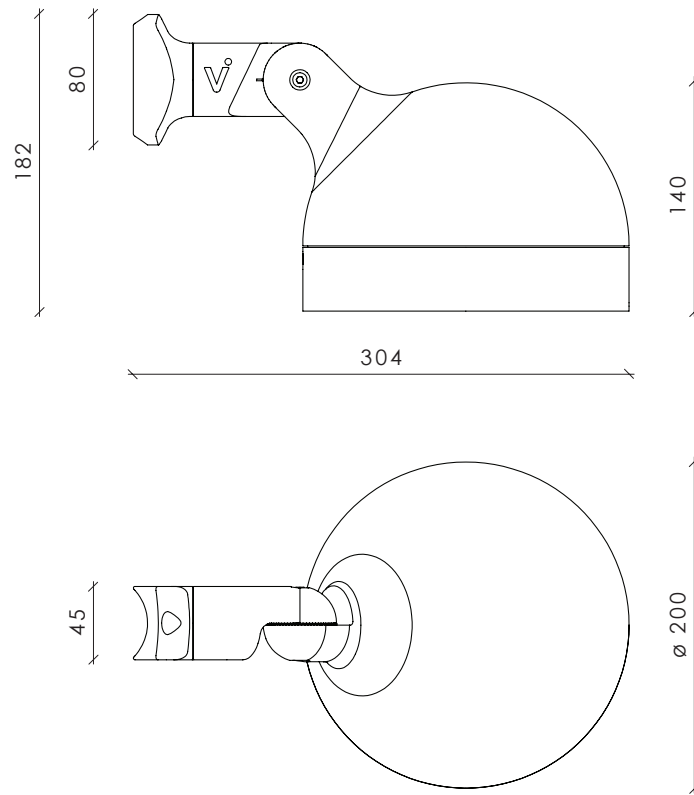


DB703



RAL9005

Other colors
available on request



Features

☒ HONEYCOMB & DIFFUSION SHEET

Optimize lighting with two diffuser options:

- The **Honeycomb** grid focuses light, reducing glare and sideways scattering (Art. 70082027)
- The **Diffusion Sheet** softens and scatters light for gentle, even illumination (Art. 70082026)

Both options offer tailored lighting effects to suit different needs, ensuring optimal visual comfort and efficiency.



☒ MODULAR POLE-MOUNTED LIGHTING

Designed for versatility, BLACKBIRD MINI can be mounted on poles with adjustable angles for precise illumination.

Its modular system allows for multiple configurations, making it ideal for urban, architectural, and pathway lighting.



Technical information



V 198 - 264

Hz 50 - 60

W 5 - 30

lm Up to 3740 ⁽¹⁾

lm/W Up to 125

K 2700 / 3000 / 4000 ⁽²⁾

°C -40 to +50

CRI >70 / >80 / >90 ⁽²⁾

Body: Die-cast aluminium

Dimming: DALI / 1-10 V / Midnight dimming /
Step dimming / Mains dimming

Initial chromaticity: MacAdam 5

Lifetime: Up to 100 000 h (L98B10) at Ta = 25 °C*

Warranty: 5 years

Installation: Pre-wired cable 30 cm ⁽³⁾

Mounting: On ø 76 mm pole

Socket: Zhaga Top and Bottom

Intelligent Control: Stand-alone / Group / CMS

Sensor: Motion / Motion + Daylight / Daylight

Surge protection: 4 / 6 / 10 kV ⁽⁴⁾

Nature friendly: PC Amber / Red / 1800 K

Corrosion protection: Up to C5

¹⁾ Lumen output indicated at CRI > 70

²⁾ 1800 / 2200 / 3500 / 5000 / 5700 / 6500 K available on request along with other not listed CRI and CCT

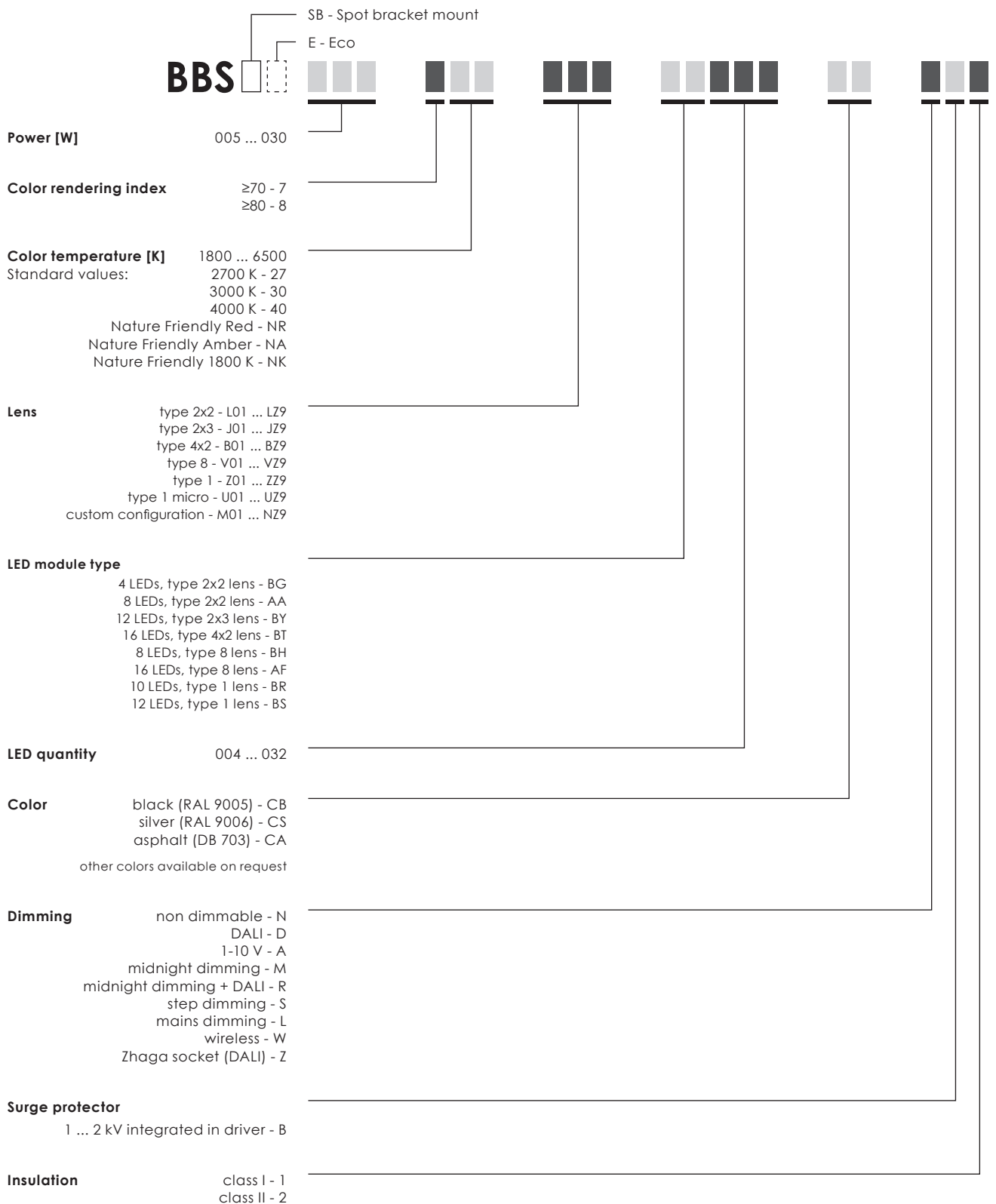
³⁾ Other lengths are on request

⁴⁾ 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 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.

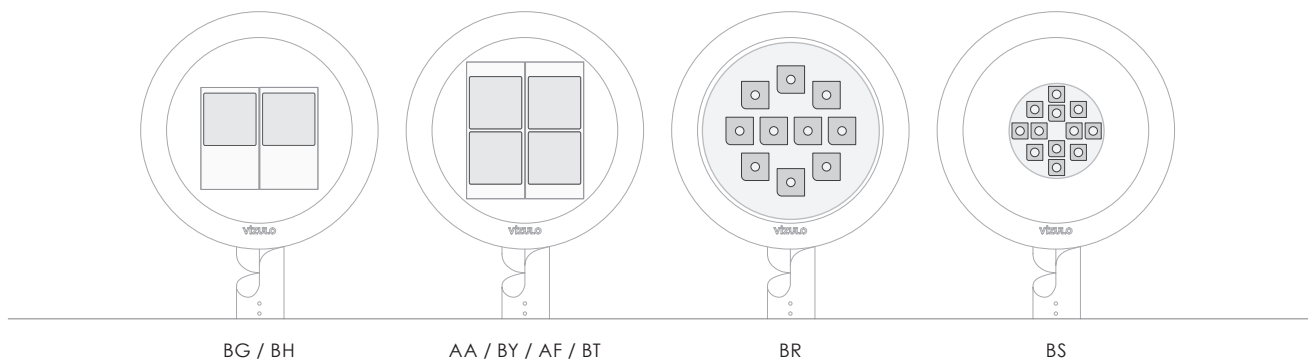
Model name principles



EXAMPLE BBSSB 030 730 Z01 BR010 CB DB1

LED modules

Type	Max module QTY	Min LED QTY per module	Max LED QTY per module	Max LED QTY per luminaire	LED step	LED type	Lens type	LED module
BG	2	4	4	8	2	Standard Eco	type 2x2 L01...LZ9	
BH	2	4	8	16	2	Standard	type 8 V01...VZ9	
AA	2	4	8	16	2	Standard Eco	type 2x2 L01...LZ9	
BY	2	6	12	24	6	Eco	type 2x3 J01...JZ9	
AF	2	8	16	32	2	Standard	type 8 V01...VZ9	
BT	2	8	16	32	8	Standard Eco	type 4x2 B01...BZ9	
BR	1	10	10	10	-	Standard	type 1 Z01...ZZ9	
BS	1	12	12	12	-	Standard	type 1 U01 ... UZ9	



Cable core count

Socket	Dimming	Model number abbreviation	Input cable core count Class I	Input cable core count Class II
None	None	N	3	2
None	DALI	D	5	4
None	Midnight dimming	M	3	2
None	Midnight dimming + DALI	R	5	4
None	Step dimming	S	5 ⁽¹⁾	4 ⁽¹⁾
None	Mains dimming	L	3	2
Zhaga	DALI	Z	3 ⁽²⁾	2 ⁽²⁾
Zhaga	Midnight dimming	X	3	2
Zhaga	Mains dimming	X	3	2
NEMA	DALI	Y	3 / 5 ⁽³⁾	2 / 4 ⁽³⁾
NEMA	Midnight dimming	X	3	2
NEMA	Step dimming	X	5 ⁽¹⁾	4 ⁽¹⁾
NEMA	Mains dimming	X	3	2

¹⁾ 1 core unused

²⁾ DALI wires used only for internal connection between driver and Zhaga socket(s)

³⁾ +2 cores for external DALI connection

Cable order information*

* Custom cable lengths available on request



Cable length [m]	2 x 1.5 mm ²	3 x 1.5 mm ²	4 x 1.5 mm ²	5 x 1.5 mm ²
0.5	Art. 70100184	Art. 70100179	Art. 70100402	Art. 70100409
1	Art. 70100156	Art. 70100193	Art. 70000527	Art. 70100220
1.5	Art. 70100391	Art. 70100258	Art. 70100403	Art. 70100410
2	Art. 70100202	Art. 70100177	Art. 70000515	Art. 70100262
2.5	Art. 70100392	Art. 70100213	Art. 70100404	Art. 70100411
3	Art. 70100166	Art. 70100178	Art. 70000529	Art. 70100217
4	Art. 70100172	Art. 70100144	Art. 70000530	Art. 70100189
5	Art. 70100173	Art. 70100146	Art. 70000531	Art. 70100185
6	Art. 70100099	Art. 70000512	Art. 70000532	Art. 70000370
7	Art. 70100174	Art. 70100182	Art. 70000533	Art. 70100201
8	Art. 70100152	Art. 70000630	Art. 70000534	Art. 70100212
9	Art. 70100176	Art. 70000381	Art. 70000535	Art. 70100192
10	Art. 70100153	Art. 70000631	Art. 70000536	Art. 70000387
11	Art. 70100191	Art. 70100143	Art. 70000537	Art. 70000388
12	Art. 70100167	Art. 70100147	Art. 70000538	Art. 70100200
13	Art. 70100186	Art. 70100187	Art. 70000539	Art. 70100412
14	Art. 70100204	Art. 70100164	Art. 70000540	Art. 70100165
15	Art. 70100380	Art. 70100030	Art. 70000541	Art. 70100183
20	Art. 70100393	Art. 70100397	Art. 70100405	Art. 70100413
25	Art. 70100276	Art. 70100398	Art. 70100406	Art. 70100414

Backlight cutter

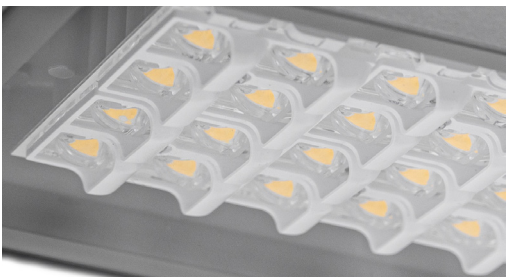
Backlight cutter | black

Art. 70000661



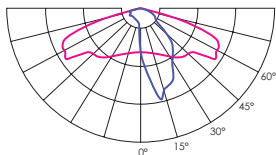
Backlight cutter | white

Art. 70000662

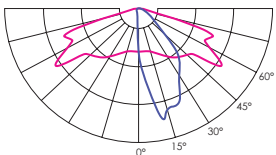


Optical losses from 10% to 31% depending from used optic.

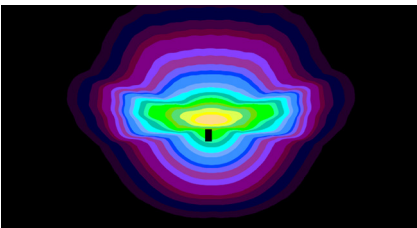
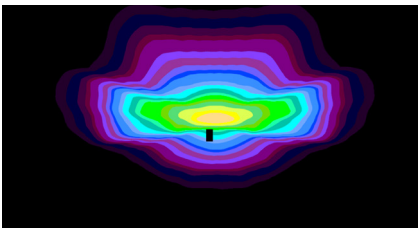
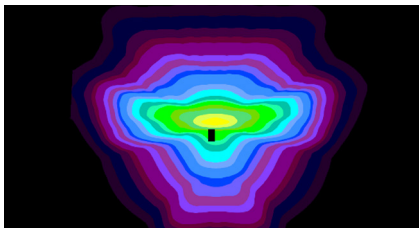
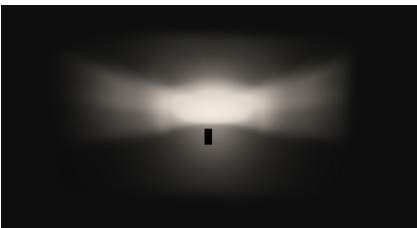
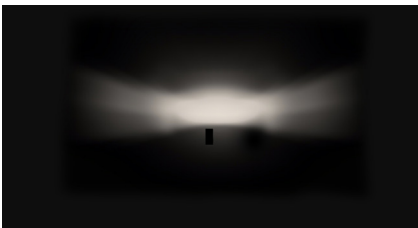
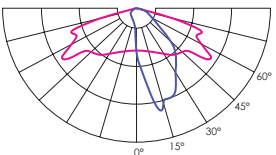
Without backlight cutter



Backlight cutter | black



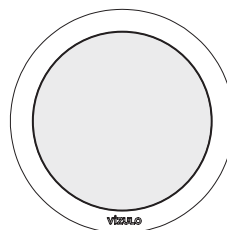
Backlight cutter | white



Accessories

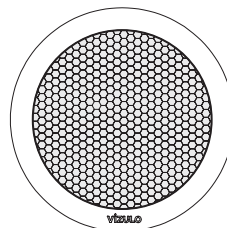
BLACKBIRD MINI diffusion sheet Art. 70082026

matt



BLACKBIRD MINI honeycomb Art. 70082027

black



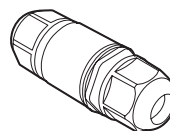
IP68 rated wire cable connector

2 wire cable connector Art. 70000676

3 wire cable connector Art. 70000677

4 wire cable connector Art. 70000725

5 wire cable connector Art. 70000678



Certification



CE – conformity with European Union's health, safety and environmental protection standards

The CE mark is placed on products to state conformity with the relevant EU health, safety and environmental protection standards. In case of electronic products, the standards are, for example, the Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS) directive, Waste Electrical and Electronic Equipment (WEEE) directive, the Electromagnetic Compatibility (EMC) directive etc. The mark ensures that the product can be sold anywhere in the European Economic Area (EEA).



UKCA - conformity with the relevant essential requirements of Great Britain

UKCA is a product mark intended to demonstrate compliance with the directives set by Great Britain (England, Scotland and Wales). It is analogous to the European Union's CE marking, meaning that depending on the type of product the applicable regulations are different. In case of LED lighting, the relevant requirements are compliance with the Electromagnetic Compatibility Regulations, the Electrical Equipment (Safety) Regulations, the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations and the Ecodesign for Energy-Related Products and Energy Information (Lighting Products) Regulations.



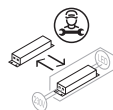
RoHS – compliance with European Union's RoHS directive

The RoHS (Restriction of Hazardous Substances in Electrical and Electronic Equipment) directive restricts (with exceptions) the use of ten hazardous materials in the manufacture of various types of electronic and electrical equipment. The aim of the directive is to prevent the risks posed to human health and the environment related to the management of electronic and electrical waste.



LED module replaceable by a professional

This pictogram shows that the LED modules included in the luminaire are only replaceable by a professional. This labeling is a requirement following the introduction of European Union's Regulation on energy labelling for light sources (EU) 2019/2015.



LED driver replaceable by a professional

This pictogram shows that the LED driver included in the luminaire is only replaceable by a professional. This labeling is a requirement following the introduction of European Union's Regulation on energy labelling for light sources (EU) 2019/2015.

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