

# CERTIFICATE

Issued to:  
Applicant:  
**SIA VIZULO**  
Bukultu Str. 11  
LV-1005 Riga, Latvia

Licensee:  
**SIA VIZULO**  
Bukultu Str. 11  
LV-1005 Riga, Latvia

Product : Street lighting / Floodlight luminaire with LED light source  
Trade name(s) : VIZULO  
Type(s)/model(s) : Blackbird series

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard(s) EN IEC 60598-1:2021, EN IEC 60598-1:2021/A11:2022, EN 60598-2-3:2003, EN 60598-2-3:2003/A1:2011 and EN 60598-2-5:2015
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2171759

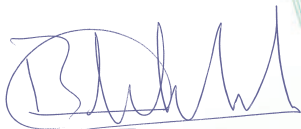
DEKRA hereby grants the right to use the ENEC certification mark.

The ENEC certification mark may be applied to the product as specified in this certificate for the duration and under the conditions of the ENEC certification agreement.

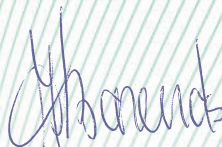
This certificate is issued on 15 February 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-127213

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



H.R.M. Barends  
Certification Manager

© Integral publication of this certificate is allowed

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DUTCH ACCREDITATION  
COUNCIL



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

Product	: Street lighting / Floodlight luminaire with LED light source
Trade name(s)	: VIZULO
Type(s)/model(s)	: BByw xxx xxx xxx xxxxx xx xxx
Model	: Blackbird series
Rated voltage / nature of supply	: 220 - 240 Vac
Rated frequency	: 50/60 Hz
Rated current	: 30 - 430 mA
Rated input	: 5 - 100 W
Ambient temperature range	: ta: -40....+50 °C (5 - 85 W) ta: -40....+35 °C (5 - 100 W)
Classification	: Class I
Degree of protection against ingress of dust, solid objects and moisture	: IP65 for Mushroom models and tool-less models IP66 for all other models
Degree of protection against external mechanical impact	: IK10
Description	: For post top mounting, wire mounting, mounting on a pipe, mast arm mounting, hanging or on wall.

**TESTS****Test requirements**

EN IEC 60598-1:2021  
EN IEC 60598-1:2021/A11:2022  
EN 60598-2-3:2003  
EN 60598-2-3:2003/A1:2011  
EN 60598-2-5:2015

**Test result**

The test results are laid down in DEKRA test file 227282100.

**Additional information**

The luminaires contain a LED module which is in compliance with EN IEC 62031:2020+A11:2021 (tested as part of the appliance).

These products have been tested according to the EN 62471:2008 (Blue Light Hazard).

The LEDs used within the luminaire have been evaluated according to IEC TR 62778, and are classified as Risk Group 1 (RG1).

The luminaires fulfil the requirements of EN 62262:2002 and IEC/TR 62696:2011 with regard to protection provided by enclosures for electrical equipment against mechanical impacts, IK10.

This certificate replaces certificate No. 81-121273 REV.2 which we hereby declare invalid.

The list of components is laid down in test report 2272821.50.

**Conclusion**

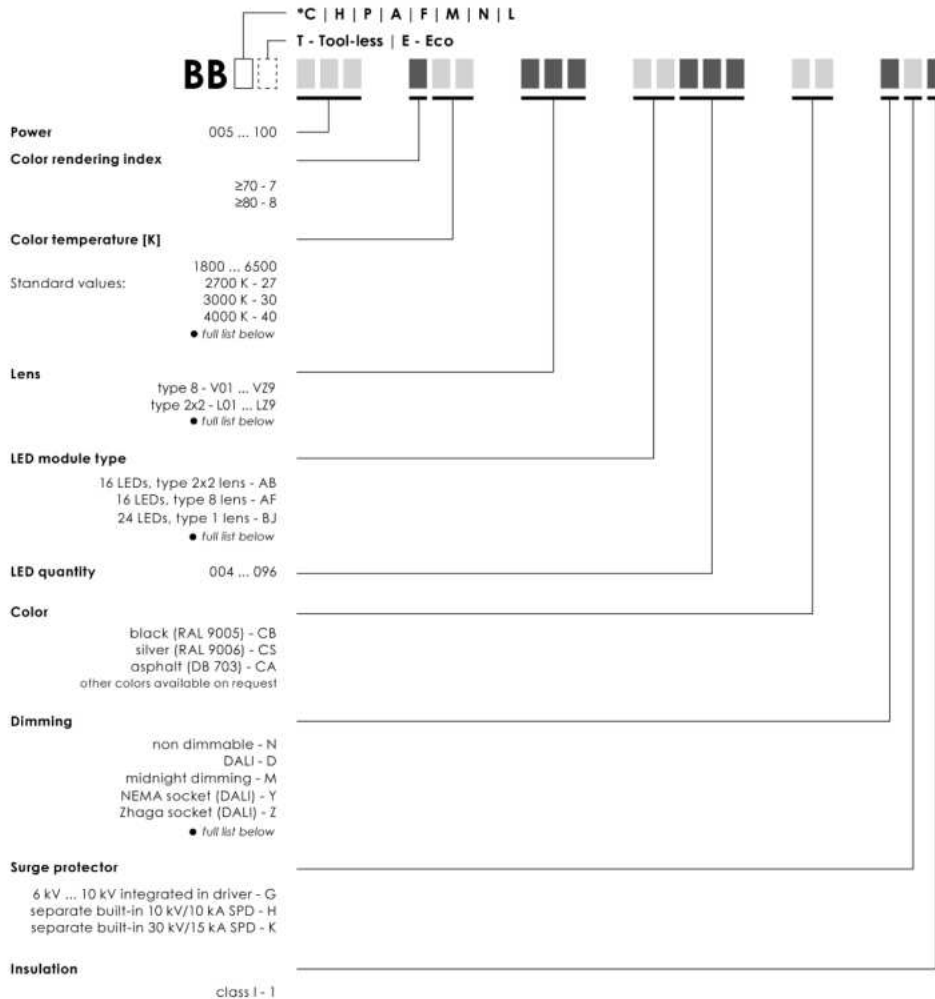
The examination proved that all requirements were met.

**Factory location**

SIA Vizulo  
Laucu Lejas  
LV-3913 Iecava, Latvia



**Model name principles**



EXAMPLE B8M050730L01A8032C8DG1

● Full list of options

**Color temperature [K]**

1800 ... 6500  
 2700 K - 27  
 3000 K - 30  
 4000 K - 40  
 Tunable White 2700-6500 - TW  
 Nature Friendly Red - NR  
 Nature Friendly Amber - NA  
 Nature Friendly 1800 K - NK

**Lens**

type 8 - V01 ... V29  
 type 2x2 - L01 ... L29  
 type 4x2 - B01 ... B29  
 type 6x1 - T01 ... T29  
 type 12 - Y01 ... Y29  
 type 1 - Z01 ... Z29  
 custom configuration - M01 ... N29

**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

**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  
 48 LEDs, type 2x2 lens - BE  
 96 LEDs, type 8 lens - BF  
 4 LEDs, type 2x2 lens - BG  
 8 LEDs, type 8 lens - BH  
 24 LEDs, type 1 lens - BJ  
 24 LEDs, type 8 lens - BL  
 48 LEDs, type 8 lens - BM  
 48 LEDs, type 1 lens - BN  
 16 LEDs, type 4x2 lens - BP  
 10 LEDs, type 1 lens - BR  
 12 LEDs, type 1 lens - BS

\* 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.