URBINO LED S

LUG LIGHT FACTORY

220-240V 50/60 Hz | LED | CE | EK | PLUS EK ★30 | EAC | TR 054 | ZDi | DARKSKY APPROVED reduces light pollution | IP 66 | IK 10 | ▢ | ⏚

A functionally optimised modern LED luminaire that complements the URBINO LED luminaire family in an environmentally responsible way with solutions for lower power and flux points.

- Possible illuminance control
- Modern design
- Simple one person mounting
- Reliability
- **High efficacy to 176 lm/W**

Other pictures

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Mechanical data

Mounting
on pillar ø40-60mm, on outriggers ø40-60mm

Body colour
gray

Operating temperature range
-40 ... +40, -40 ... +50, -40 ... +55

Body
high pressure die-cast aluminum

Lateral Surface Wind Exposed
0.035 m²

Type
O1, O2, O3, O4, O5, O6, O7, O8, O9, O19, O20, O21 optics, O10 optics, O11, O12, O13, O14, O15, O16, O17, O18, O22 optics

Electrical data

Power supply efficiency
≤93%

Power
220-240V 50/60Hz

Includes light source
yes

Luminaire power [W]
4.5 - 74

Output current [mA]
100, 200, 400, 500, 1000, 1050

Type of equipment
ED

Maximum number of luminaires in the circuit with a 10A fuse (B)
8 - 28

Maximum number of luminaires in the circuit with a 16A fuse (B)
12 - 44

Maximum number of luminaires in the circuit with a 25A fuse (B)
20 - 51

Optical data

Way of lighting
direct

Type of optic
O1 - for express roads, O10 - for town and local roads, O11 - for residential area roads, O12 - for residential area roads, O13 - for town roads, O14 - for town roads, O15 - for road lighting, O16 - for area lighting, O17 - for pedestrian crossings, left side traffic, O18 - for pedestrian crossings, right side traffic, O19 - for area lighting, O2 - for local roads, O20 - for town roads, O21 - for road lighting, O22 - for local roads, O3 - for pedestrian crossings, right side traffic, O4 - for pedestrian crossings, left side traffic, O5 - for area lighting, O6 - for town and local roads, O7 - for wet surfaces, O8 - for town and local roads, O9 - for residential area roads

Diffuser
tempered glass

Colour temperature [K]
2200, 2700, 3000, 4000

CRI/Ra
>70

MacAdam's steps
3

ULOR / DLOR
0% / 100%

Lumen luminaire [lm]
400 - 11350

Efficacy [lm/W]
79 - 176

Photobiological risk group
RG1

Number of LEDs
12, 24

General data

Additional equipment
luminaire with pole mounting bracket ø76mm (index extension: .829), luminaire with adjustable bracket ø60mm with adjustment range from -110° to +55°/-20° to +145° (index extension: .867), luminaire with adjustable bracket ø76mm with adjustment range from -110° to +55°/-20° to +145° (index extension: .876), dual Zhaga connector for IoT controller and motion sensor (index extension: .875)

Additional information
the standard version of the luminaire is corrosion resistant according to class C4

Available on request
DALI, DIM 1..10V, knife switch, 10kV surge protection, CLO, NTC, NEMA connector, ZHAGA connector, version with increased corrosion resistance in accordance with class C5-M, extension of the warranty to 10 years

Other remarks
the pole and boom are not part of the luminaire

Lifetime L90B10
100 000 h

Warranty
5 years

Compliant with British Standards: BS 5489-1 2020; BS EN 13201 2015; BS EN 60598-2-3:2003+A1:2011 and BS EN IEC 60598-1:2021+A11:2022.

In order to apply the luminaire in an aggressive environment, for example with an increased concentration of sulfur, salt or other aggressive substances, a consultation with the LUG Technical Preparation of Production Branch is required.
Luminous flux tolerance +/- 10%.
Power tolerance +/- 5%.
Lighting beam, light intensity distribution and light efficiency were examined in accordance with the EN ISO 17025:2005 norm for EN13032 norm series and the LM-79 norm.
Up-to-date product info and General Warranty Terms available on our website www.luglightfactory.com
Detailed information on luminous fluxes and powers for individual indexes are indicated on the product data sheet.

The LUG Company reserves right to introduce any construction changes and improvements into the lighting luminaires
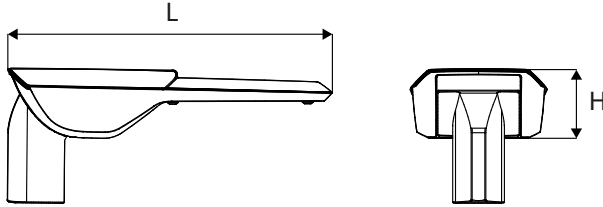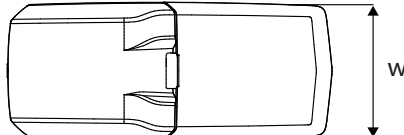
The parameters in the data sheet are given for Ta=25°C.
The operating temperature ranges apply only to luminaires used in the outdoor environment.
Colour temperature tolerance +/- 5%.
DARK SKY certification available for colour temperatures of 3000K and below and for lighting fixtures mounted in a horizontal position (use adjustment/leveling if necessary).

Dimensions

Dimensions [mm] LxWxH	Pallet quantity	Quantity in package	Net weight [kg]
470x200x100	60	1	4.45

Accessories

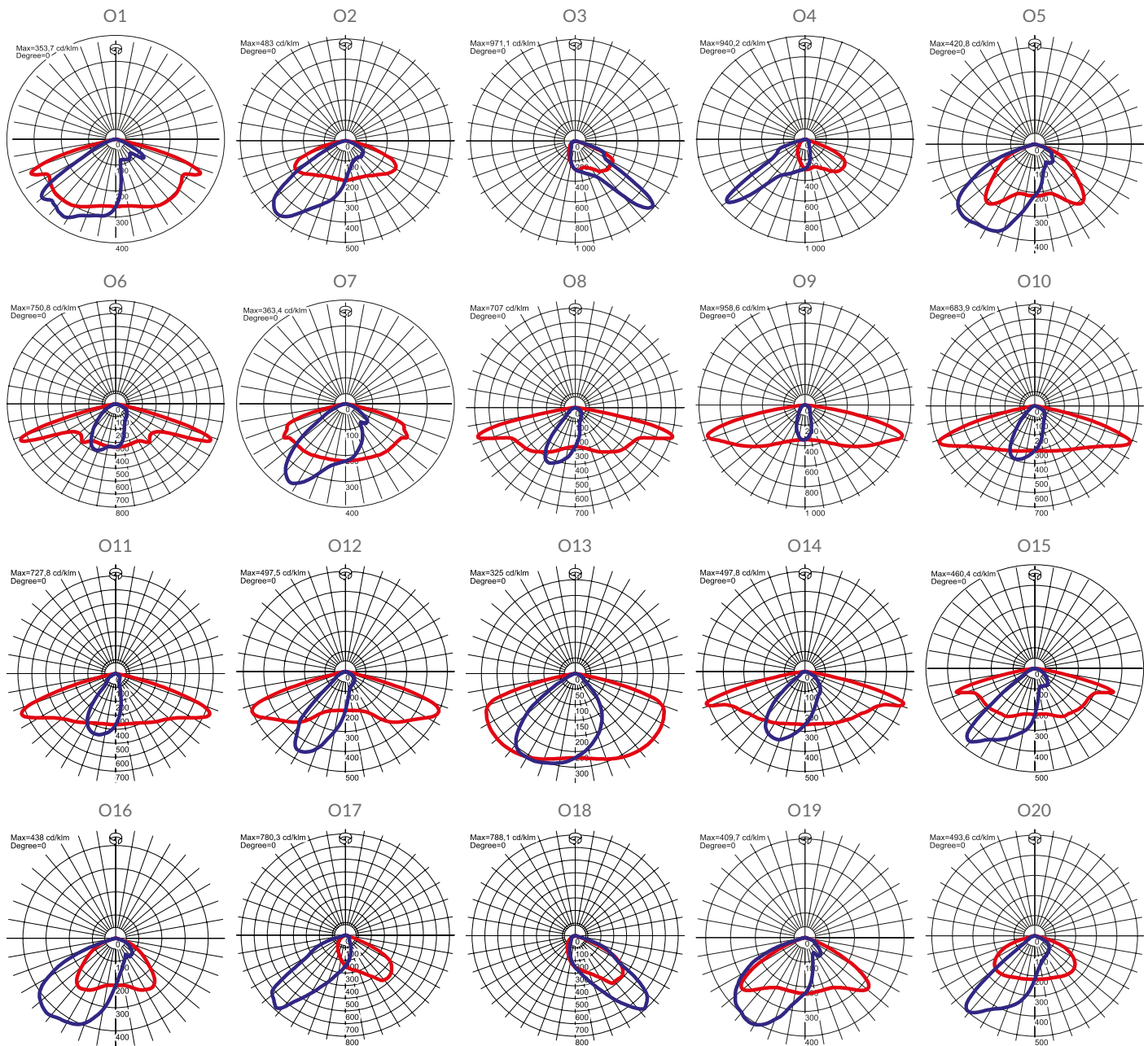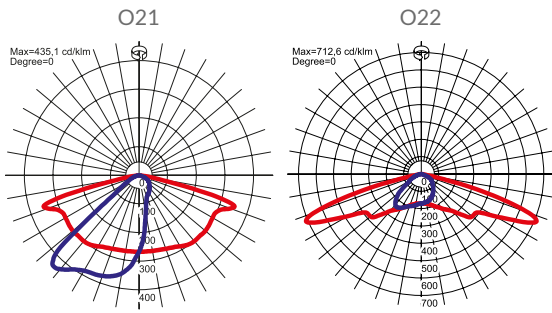|		
	770020.001	eBLOC-N Controller - Thread communication
	770020.002	eBLOC-N Controller - Thread communication + GNSS location
	770020.004	eBLOC-N Controller - LTE Cat M1/2G communication + GNSS location
	770030.001	eBLOC-Z Controller - Thread communication
	770030.002	eBLOC-Z Controller - Thread communication + GNSS location
	770030.004	eBLOC-Z Controller - LTE Cat M1/2G communication + GNSS location
	790013.001	HUBIoT-1 EU pole mounted
	790013.002	HUBIoT-1 EU surface-mounted
	790013.003	HUBIoT-1 EU Ethernet pole mounted
	790013.004	HUBIoT-1 EU Ethernet surface-mounted
	790013.101	HUBIoT-1 Global pole mounted
	790013.102	HUBIoT-1 Global surface-mounted

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790013.103	HUBIoT-1 Global Ethernet pole mounted	790013.104	HUBIoT-1 Global Ethernet surface-mounted

Light beam curves

O1 — Max=353,7 cd/klm Degree=0
O2 — Max=483 cd/klm Degree=0
O3 — Max=971,1 cd/klm Degree=0
O4 — Max=940,2 cd/klm Degree=0
O5 — Max=420,8 cd/klm Degree=0

O6 — Max=750,8 cd/klm Degree=0
O7 — Max=363,4 cd/klm Degree=0
O8 — Max=707 cd/klm Degree=0
O9 — Max=958,6 cd/klm Degree=0
O10 — Max=683,9 cd/klm Degree=0

O11 — Max=727,8 cd/klm Degree=0
O12 — Max=497,5 cd/klm Degree=0
O13 — Max=325 cd/klm Degree=0
O14 — Max=497,8 cd/klm Degree=0
O15 — Max=460,4 cd/klm Degree=0

O16 — Max=438 cd/klm Degree=0
O17 — Max=780,3 cd/klm Degree=0
O18 — Max=788,1 cd/klm Degree=0
O19 — Max=409,7 cd/klm Degree=0
O20 — Max=493,6 cd/klm Degree=0

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O21

Max=435,1 cd/klm
Degree=0

O22

Max=712,6 cd/klm
Degree=0

Way of lighting

O1	O2	O3	O4	O5

O6	O7	O8	O9	O10

O11	O12	O13	O14	O15

O16	O17	O18	O19	O20

O21