PRODUCT DATASHEET
UB BOLLARD CONE 900 P 24W ML 840 GY

URBAN BOLLARD CONE | Robust bollard light with optional one-sided or multi-sided light emission



Areas of application

- Bollard luminaires for guidance and orientation, they pave the way for pedestrians and enhance the surroundings
- Path and plaza illumination
- Parks and green spaces, parking and pedestrian areas
- Public, industrial and residential areas
- Driveways, access routes and entrances in residential complexes and arcades

Product benefits

- Versatile use, serves many lighting tasks for paths or areas in one luminaire
- Optics are optimized for wide spacing between bollards
- Durable and robust, made from high-quality materials, withstands even harsh environments
- Energy-saving due to selectable and dimmable light

Product features

- Switchable and dimmable LED-segments for 180° or 360° light distribution
- Single lens optics for good beam control
- IP66, IK10, sealed and sleek form-factor
- Well chosen materials such as aluminum, stainless-steel, UV-stabilized powder-coating and plastics
- Corrosion resistance C4
- Integrated breather valve to prevent condensation inside the luminaire

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TECHNICAL DATA

Electrical data

Nominal wattage	24 W / 12 W [1)]
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	71.000 mA
Inrush current	57 A
Inrush current time T_{h50}	128 µs
Max. number of luminaires per miniature circuit breaker B16	10
Max. number of luminaires per miniature circuit breaker C10	10
Max. number of luminaires per miniature circuit breaker C16	13
Power factor λ	> 0.90
Maximum total harmonic distortion	< 20 %
Protection class	I
Surge capability (L-N)	4 kV
Operating mode	Integrated LED driver

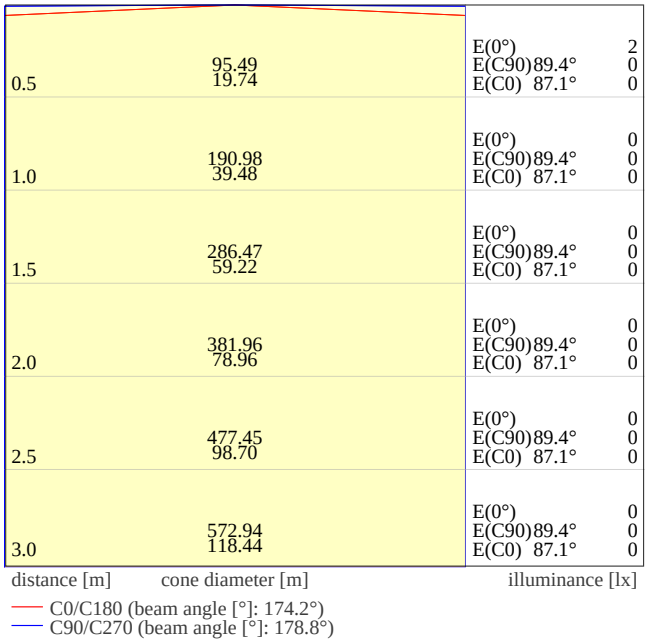
1) For possible options refer to lumen/power table image

Photometrical data

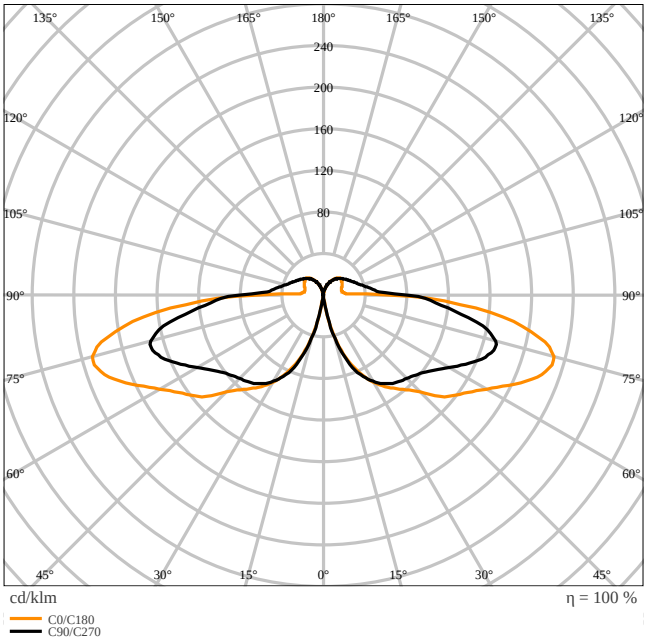
Luminous flux	2140 lm / 1070 lm [1)]
Luminous efficacy	89 lm/W [1)]
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	< 5 sdcm
Flickering metric (Pst LM)	< 1
Stroboscope effect metric (SVM)	< 0.4
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	148 ° x 155 °

1) For possible options refer to lumen/power table image

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UB BL CONE 24W ML 840 900 100pc 100pc 250910



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Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
24 W	4000 K	2140 lm	89 lm/W
12 W	4000 K	1070 lm	89 lm/W

Dimensions & Weight

Diameter	170.00 mm
Height	900.00 mm
Product weight	8980.00 g



UB BOLLARD CONE 900

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Materials & Colors

Product color	Grey
Housing color	Grey
RAL Color (most similar)	RAL 7022
Body material	Aluminum
Cover material	Polycarbonate (PC)
Light emitting surface material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	850 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-40…+50 °C
Temperature range at storage	-40…+80 °C
Type of connection	Screwless terminal, 3-POLE (L, N, PE)
Type of protection	IP66
Protection class IK (shock resistance)	IK10
Corrosion resistance class acc. to EN 12944	C4
Dimmable	No
Dimming range	0…100 %
Mounting type	Surface
Mounting location	Ground / Floor
Application environment	Outdoor
Mechanically adjustable	No
With light source	Yes
Replaceable light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	100000 h [1)]
Lifespan L80/B10 at 25 °C	100000 h [1)]
Lifespan L80/B50 at 25 °C	100000 h
Lifespan L90/B10 at 25 °C	57000 h [1)]
Number of switching cycles	100000

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Control gear

Output current	1670 mA

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Emergency lighting

Type of emergency operation test	None

Certificates & Standards

Standards	CE / UKCA / EAC / ENEC / Dmark
Ball shot safe	No
Replaceable light source (EPREL)	Only by an expert

Additional product data

Added function	MULTI LUMEN

Accessories Optional

Product image	Product name	EAN
	UB BOLLARD CONE CONCRETE ANCHORS	4099854726590
	UB BOLLARD CONE FOUNDATION TUBE	4099854726613

EQUIPMENT / ACCESSORIES

- Ground anchors for cast concrete foundations separately available
- Ground piece with anti-sink protection for fixing luminaires with base plate in the ground separately available

Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	UB BOLLARD CONE
PDF	Legal information	G11251185_LI_MF_T
PDF	Legal information	Safety Insert G11205497

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	Documents and certificates	Document name
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	URBAN BOLLARD CONE
PDF	Declarations of conformity UKCA	URBAN BOLLARD CONE

	Photometric and lighting design files	Document name
IES	IES file (IES)	UB BL CONE 24W ML 840 900 100pc 100pc 250910
LDT	LDT file (Eulumdat)	UB BL CONE 24W ML 840 900 100pc 100pc 250910
ULD	ULD file (DIALux)	UB BOLLARD CONE 900 P 24W ML 840 GY
ROLF	ROLF file (RELUX)	UB BOLLARD CONE 900 P 24W ML 840 GY
	Light distribution curve type cone	UB BL CONE 24W ML 840 900 100pc 100pc 250910
	Light distribution curve type polar	UB BL CONE 24W ML 840 900 100pc 100pc 250910

	CAD/BIM files	Document name
RFA	BIM Revit 3D	Urban Bollard Cone
STEP	CAD STEP 3D	UB BOLLARD CONE 900

	Tender texts	Document name
TXT	Tender documents	URBAN BOLLARD CONE 900 P 24W ML 840 GY-en

LOGISTICAL DATA

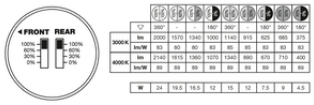
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854726545	Shipping box 1	987 mm x 207 mm x 234 mm	10528.00 g	47.81 dm^3

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

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ADDITIONAL CATALOG INFORMATION

MULTILUMEN



	▽	360°	-	-	180°	360°	-	-	180°	360°	180°	
3000 K	lm	2000	1570	1340	1000	1140	915	625	495	375		
	lm/W	83	80	80	83	86	86	83	83	83		
4000 K	lm	2140	1615	1360	1070	1340	890	670	710	400		
	lm/W	89	89	89	89	89	89	89	89	89		
	W	24	19.5	16.5	12	15	12	7.5	9	4.5		

References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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