# PRODUCT DATASHEET
# UB BOLLARD CONE 900 P 24W ML 830 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 |

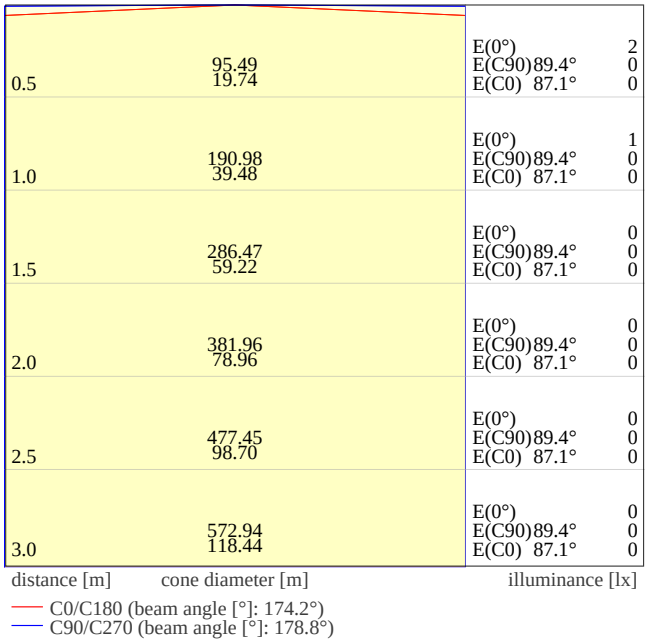
1) For possible options refer to lumen/power table image

## Photometrical data

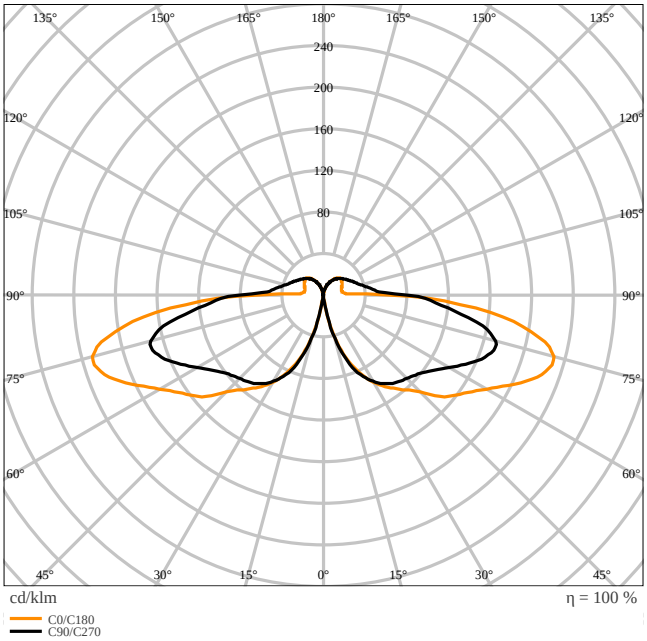
| | |
|---|---|
| Luminous flux | 2000 lm / 1000 lm [1)] |
| Luminous efficacy | 83 lm/W [1)] |
| Color temperature | 3000 K |
| Light color (designation) | Warm White |
| Color rendering index Ra | > 80 |
| Standard deviation of color matching | < 5 sdcm |
| Flickering metric (Pst LM) | < 1 |
| Stroboscope 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 830 900 100pc 100pc 250910




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## Adjustable attributes

| Nominal wattage | Color temperature | Luminous flux | Luminous efficacy |
|---|---|---|---|
| 24 W | 3000 K | 2000 lm | 83 lm/W |
| 12 W | 3000 K | 1000 lm | 83 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 830 900 100pc 100pc 250910 |
| LDT | LDT file (Eulumdat) | UB BL CONE 24W ML 830 900 100pc 100pc 250910 |
| ULD | ULD file (DIALux) | UB BOLLARD CONE 900 P 24W ML 830 GY |
| ROLF | ROLF file (RELUX) | UB BOLLARD CONE 900 P 24W ML 830 GY |
| | Light distribution curve type cone | UB BL CONE 24W ML 830 900 100pc 100pc 250910 |
| | Light distribution curve type polar | UB BL CONE 24W ML 830 900 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 830 GY-en |

## LOGISTICAL DATA

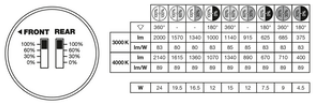
| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4099854726538 | Shipping box<br>1 | 987 mm x 207 mm x 234 mm | 10528.00 g | 47.81 $dm^3$ |

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

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