

PRODUCT DATASHEET

URBAN AREA E 100W 840 IP65 BK

URBAN AREA | Attractive design luminaire with aerial light distribution



Areas of application

- Replacement for luminaires with mercury vapor or metal halide lamps
- Parks
- Neighborhoods
- Public areas
- Area lighting

Product benefits

- Attractive and functional design
- Low flicker light thanks to special electronic control gear
- Energy savings thanks to system efficacy of 120 lm/W
- Bright, robust and durable

Product features

- Protection class: I
- Lifetime (L70/B50): 50,000 h (at 25 °C)
- Available grey and black housing color
- Available with color temperature: 3,000 K, 4,000 K, 6,500 K
- Type of protection: IP65
- Impact resistance: IK07
- 5 years warranty

TECHNICAL DATA

Electrical data

Nominal wattage	100.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	413.000 mA
Inrush current time T_{h50}	2.96 μ s
Max. number of luminaires per miniature circuit breaker B16	29
Max. number of luminaires per miniature circuit breaker C10	18
Max. number of luminaires per miniature circuit breaker C16	29
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Surge capability (L-N)	4 kV
Operating mode	Integrated LED driver

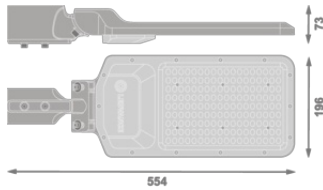
Photometrical data

Luminous flux	12000 lm
Luminous efficacy	120 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	80
Standard deviation of color matching	< 6 sdc _m
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	155° x 80°

URBAN AREA E 100-150W

Dimensions & Weight

Length	554.00 mm
Width	196.00 mm
Height	73.00 mm
Product weight	2138.00 g



URABN AREA 100W

Materials & Colors

Product color	Black
Housing color	Black
Body material	Aluminum
Cover material	Polycarbonate (PC)
Light emitting surface material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	650 °C

Application & Mounting

Ambient temperature range	-30...+35 °C
Temperature range at storage	-35...+80 °C
Type of connection	Cable, 3-pole
Type of protection	IP65
Protection class IK (shock resistance)	IK07
Dimmable	No
Mounting type	Post top
Mounting location	Pole
Application environment	Outdoor
Adjustable	Yes
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	50000 h ¹⁾
Number of switching cycles	50000

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	425 mA
ECG - Output ripple current	< 5 %

Certificates & Standards

Standards	CE / LVD / EMC / ROHS / REACH / ERP
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	URBAN AREA E
	Addon technical information	LISO insert URBAN AREA E
	Legal information	Legal insert URBAN AREA E
Photometric and lighting design files		Document name
	Light distribution curve type polar	URBAN AREA E 100-150W
	Spectral power distribution	LISO spectral power distribution 4000K CRI80 v1

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854361937	Shipping box 1	602 mm x 237 mm x 134 mm	2638.00 g	19.12 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.

DISCLAIMER

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