

# PRODUCT DATASHEET

## ECO AREA SPD 90W 840 IP66 GY

ECO AREA HIGH POWER | For applications with luminous flux demand up to 20250 lm



### Areas of application

- Road lighting
- Streets
- Car parks
- Area lighting

### Product benefits

- Functional and minimalistic design
- Low maintenance and operation costs due to long lifetime of LED
- 5 years guarantee

### Product features

- Asymmetric light distribution for various application areas
- Robust die-cast aluminum housing
- Side-entry mounting for 48...60 mm poles
- Surge protection: 10 kV (L/N-PE)
- Integrated wide voltage driver, suitable for 100 - 240 V AC
- Pre-installed, flexible 0.5 m cable (H05RN-F), wrapped 3 x 1.0 mm<sup>2</sup> single wires



## TECHNICAL DATA

### Electrical data

Nominal wattage	90.00 W
Nominal voltage	100...240 V
Mains frequency	50...60 Hz
Nominal current	450 mA
Inrush current time $T_{h50}$	1400 $\mu$ s
Max. no. of lum. on circuit break. B16 A	4
Max. no. of lum. on circuit break. C10 A	5
Max. no. of lum. on circuit break. C16 A	8
Power factor $\lambda$	> 0.95
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Mains voltage

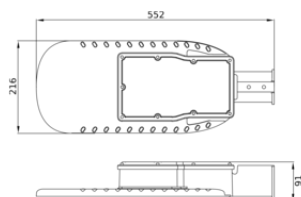
### Photometrical data

Luminous flux	11700 lm
Luminous efficacy	135 lm/W
Color temperature	4000 K
Light color (designation)	Cool Daylight
Color rendering index Ra	> 80
Standard deviation of color matching	$\leq 5$ sdcM
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	150 ° x 85 °

### Dimensions & Weight

Length	552.00 mm
Width	216.00 mm
Height	91.00 mm
Product weight	3400.00 g

Cable length	500 mm
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### Materials & Colors

Product color	Gray
Housing color	Gray
Body material	Aluminum
Cover material	Polycarbonate (PC)
Mercury content	0.0 mg

### Application & Mounting

Ambient temperature range	-30...+50 °C
Temperature range at storage	-35...+70 °C
Type of connection	Cable, 3-pole
Type of protection	IP66
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting type	Side entry
Mounting location	Pole
Application environment	Outdoor
LED module replaceable	Not replaceable
With light source	Yes

### Lifespan

Lifespan L70/B50 at 25 °C	50000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	35000 h <sup>1)</sup>
Number of switching cycles	100000

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

### Certificates & Standards

Standards	CE / EAC / ENEC
Luminaire with limited surface temperature, "D sign"	No

### DOWNLOAD DATA

#### Documents and certificates



Declarations Of Conformity CE

#### Photometric and lighting design files



LDC typ polar

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075557758	Folding box 1	582 mm x 128 mm x 253 mm	3773.00 g	18.85 dm <sup>3</sup>
4058075557765	Shipping box 4	599 mm x 529 mm x 288 mm	16490.00 g	91.26 dm <sup>3</sup>

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.

### References / Links

- For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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