

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 mm² 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 μ s
Max. number of luminaires per miniature circuit breaker B16	4
Max. number of luminaires per miniature circuit breaker C10	5
Max. number of luminaires per miniature circuit breaker C16	8
Power factor λ	> 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	≤ 5 sdc _m
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	150 ° x 85 °

ECO AREA SPD 90W

Dimensions & Weight

Length	552.00 mm
Width	216.00 mm
Height	91.00 mm

Product weight	3400.00 g
Cable length	500 mm



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
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	50000 h ¹⁾
Lifespan L80/B10 at 25 °C	35000 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)

Certificates & Standards

Standards	CE / EAC / ENEC
Luminaire with limited surface temperature, "D sign"	No
Replaceable light source (EPREL)	Not replaceable

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	ECO AREA SPD IP66 GY
	Addon technical information	ECO AREA SPD IP66 GY
	Legal information	Informationstext 18 Abs 4 ElektroG
	Legal information	ECO AREA SPD IP66 GY
	Declarations of conformity	ECO AREA SPD

Photometric and lighting design files		Document name
	Light distribution curve type polar	ECO AREA SPD 90W

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 ³
4058075557765	Shipping box 4	599 mm x 529 mm x 288 mm	16490.00 g	91.26 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.

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.