

PRODUCT DATASHEET

ECO AREA SPD 150W 827 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 | 150.00 W |
| Nominal voltage | 100...240 V |
| Mains frequency | 50...60 Hz |
| Nominal current | 750 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 |

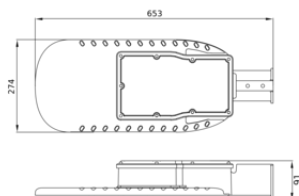
Photometrical data

| | |
|--|---------------------------|
| Luminous flux | 18750 lm |
| Luminous efficacy | 125 lm/W |
| Color temperature | 2700 K |
| Light color (designation) | Warm White |
| Color rendering index Ra | > 80 |
| Standard deviation of color matching | \leq 5 sdc _m |
| Photobiological safety group acc. to EN62778 | RG1 |
| Photobiological safety group acc. to EN62471 | RG1 |
| Beam angle | 150 ° x 85 ° |

Dimensions & Weight

| | |
|----------------|-----------|
| Length | 653.00 mm |
| Width | 274.00 mm |
| Height | 91.00 mm |
| Product weight | 4400.00 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 |
| LED module replaceable | Not replaceable |
| With light source | Yes |

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 |

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 |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075557918 | Folding box 1 | 684 mm x 128 mm x 311 mm | 4890.00 g | 27.23 dm ³ |
| 4058075557925 | Shipping box 2 | 699 mm x 274 mm x 355 mm | 10692.00 g | 67.99 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.