

# PRODUCT DATASHEET

## ECO CLASS AREA 45 W 4000 K Gray

ECO CLASS AREALIGHTING Gen 2 | Streetlighting luminaires



### Areas of application

- Road lighting
- Streets
- Car parks
- Area lighting

### Product benefits

- Energy savings thanks to high system efficacy: up to 120 lm/W
- Low maintenance and operation costs due to long lifetime of LED
- 5 years guarantee

### Product features

- Available with color temperature: 2,700 K, 3,000 K, 4,000 K, 6,500 K
- Lifetime (L70/B50): up to 50,000 h
- Type of protection: IP66
- Impact resistance: IK08
- Operating temperature range at  $t_a$ : -35...50 °C
- Robust die-cast aluminum housing
- Suitable for spigot diameter of 42 mm, 48 mm and 60 mm



## TECHNICAL DATA

### Electrical data

Nominal wattage	45.00 W
Nominal voltage	100...240 V
Mains frequency	50...60 Hz
Max. number of luminaires per miniature circuit breaker B16	38
Max. number of luminaires per miniature circuit breaker C10	30
Max. number of luminaires per miniature circuit breaker C16	48
Power factor $\lambda$	> 0.90
Protection class	I
Operating mode	Mains voltage

### Photometrical data

Luminous flux	5400 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	≤5 sdc <sub>m</sub>
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	135 ° x 75 °

### Dimensions & Weight

Length	360.00 mm
Width	131.00 mm
Height	83.00 mm
Product weight	1307.00 g

### 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	Suspended
Mounting location	Pole
Application environment	Outdoor
LED module replaceable	Not replaceable

## Lifespan



Lifespan L70/B50 at 25 °C	50000 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 / ROHS / REACH
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## DOWNLOAD DATA

Documents and certificates		Document name
	User Instruction	ECO CLASS AREALIGHTING
	Declarations of conformity	CE Declaration of Conformity_ECO CLASS AREA

Photometric and lighting design files		Document name
	IES file (IES)	ECO AREA M 45W 840 5400LM GR
	LDT file (Eulumdat)	ECO AREA M 45W 840 5400LM GR

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075425415	Folding box 1	398 mm x 114 mm x 180 mm	1331.00 g	8.17 dm <sup>3</sup>
4058075425422	Shipping box 10	592 mm x 417 mm x 382 mm	14006.00 g	94.30 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.

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### References / Links

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

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