

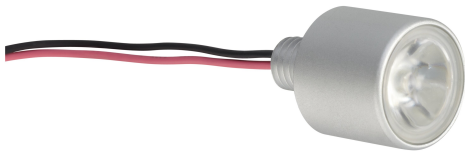
PRODUCT DATASHEET

DE1 -W4F-850-G3

DRAGONeye® | LED Spot-Modules with integrated optics

Areas of application

- For accent, orientation or route lighting
- Shelf and furniture lighting
- Suitable for outdoor use



Product benefits

- Metal package for optimum heat removal
- Integrated M10x1.5 thread for simple installation
- No additional heat sink required
- Narrow beam angle for use as a spot source
- Perfect centering thanks to flange on the floor of the casing (diameter 12 mm)
- Low maintenance costs thanks to a lifetime of up to 70,000 h
- 5 year guarantee

Product features

- Type of protection IP65 according to DIN EN 60529
- The modules can only be connected in series
- Two-core connecting cable (500 mm)



– Dimmable

TECHNICAL DATA

Electrical data

Nominal wattage	1.00 W
Construction wattage	1.00 W
Nominal voltage	2.9 V
Input voltage range	2.7...3.3 V
Type of current	DC
Nominal current	350.000 mA

Photometrical data

Total useful luminous flux [PICOS]	108 lm
Luminous efficacy	108 lm/W
Luminous flux	103 lm
Luminous intensity	1150 cd
Color temperature	5000 K
Color rendering index Ra	80
Light color LED	White
Light color (designation)	Daylight White
Standard deviation of color matching	4 sdcn
Rated peak intensity	1150 cd
Lumen main.fact.at end of nom.life time	0.70

Light technical data

Beam angle	15 °
Rated beam angle (half peak value)	15.00 °
Starting time	< 0.1 s
Warm-up time (60 %)	< 2.00 s

LED MODULE INFORMATION

Number of LEDs per module	1
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Dimensions & Weight



Length	20.0 mm
Cable length	500.000
Width	23.00 mm
Height	23.00 mm
Diameter	23.0 mm
Product weight	24.00 g

Temperatures & operating conditions

Ambient temperature range	-25...+55 °C
Maximum temperature at tc test point	-25...90 °C
Temperature range in operation	-25...90 °C ¹⁾

¹⁾ At the T_C point

Lifespan

Nominal lamp life time	70000 h
Number of switching cycles	35000

Additional product data

Product remark	Modules perfectly matched to OSRAM OPTOTRONIC® LED drivers (see relevant table) / For current photometric data and important safety, installation and application information, see www.osram.com/led-systems . / All the technical parameters apply to the entire module. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values
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Capabilities

Dimmable	Yes
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Certificates & Standards

Type of protection	IP65
Energy consumption	2.00 kWh/1000h
Energy efficiency class	E
Energy class of contained light source	E

LOGISTICAL DATA

Temperature range at storage	-25...85 °C
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Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
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DOWNLOAD DATA

Documents and certificates		Document name
	Declarations of conformity	727534_Manufacturer's Declaration Dragoneye
	Declarations of conformity	727529_EC DRAGONEYE
Photometric and lighting design files		Document name
	LDT file (Eulumdat)	DE1-W4F-850-G3
CAD/BIM files		Document name
	CAD STEP 3D	QTP OPTIMAL 1x18-40 STEP 250320

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899474772	Unpacked 1		24.00 g	
4052899474789	Folding box 6	113 mm x 83 mm x 88 mm	197.00 g	0.83 dm ³
4052899474796	Shipping box 264	950 mm x 240 mm x 205 mm	10568.00 g	46.74 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 more information on the multi-level guarantee and the terms and conditions of the guarantee visit www.ledvance.com/system-guarantee

DISCLAIMER

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