

DE1 -W4F-850-G3

DRAGONeye | LED Spot-Modules with integrated optics



Product family 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

Product family 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

Areas of application

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



Technical data

Electrical data

Nominal current	0.35 A
Nominal voltage	2.9 V
Type of current	DC
On-mode power	1.00 W
Energy consumption in on-mode	1.0 kWh/1000h

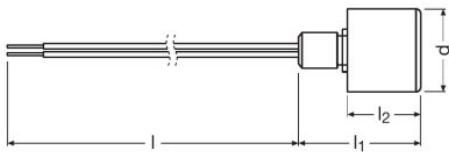
Photometrical data

Luminous efficacy	108 lm/W
Light color (designation)	Daylight White
Color rendering index Ra	80
Correlated color temperature CCT	5000 K
Peak luminous intensity	1150
Colour consistency (McAdam ellipses)	4
Useful luminous flux (Φ_{use})	103 lm

Light technical data

Starting time	< 0.1 s
Warm-up time (60 %)	< 2.00 s
Beam angle	15 °

Dimensions & weight



Diameter	23.0 mm
Cable length	500.0
Product weight	24.00 g
Height	23.0 mm
Length	20.0 mm

Product datasheet

Width	23.0 mm
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Temperatures & operating conditions

Ambient temperature range	-25...+55 °C
Temperature range at storage	-25...85 °C

Lifespan

Nominal lamp life time	70000 h
Number of switching cycles	35000
Lumen maintenance factor LMF	96
L70B50 lifetime	70000 h

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
Lighting technology used	LED

Capabilities

Dimmable	Yes ¹⁾
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¹⁾ PWM

Certificates & standards

Type of protection	IP65
Energy efficiency class	E

Logistical data

Commodity code	85395100000
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	14-04-2023
Primary Article Identifier	4052899474772

Product datasheet

Candidate List Substance 1	No declarable substances contained
Declaration No. in SCIP database	No declarable substances contained



664174_5 Year OSRAM
Guarantee (LED)

Download Data

File	
	Declarations of conformity DRAGON EYE CE 3407454 280723
	Declarations of conformity 727534_Manufacturer's Declaration Dragoneye
	CAD data DE1 W4F G3 DRAGEYE IGS 020720
	CAD data DE1 W4F G3 DRAGEYE STEP 020720
	CAD Data 2-dim DE1 W4F G3 DRAGEYE CAD2PDF 020720
	CAD data 3-dim DE1 W4F G3 DRAGEYE CAD3PDF 020720
	Eulumdat DE1 W4F 850 G3 LDT corrected 180122

Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Product datasheet

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899474772	DE1 -W4F-850-G3	Shipping carton box 264	950 mm x 240 mm x 205 mm	46.74 dm ³	10568.00 g

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 <https://www.inventronics-light.com/multilevel-guarantees>

Disclaimer

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