

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



Product family datasheet

Technical data

Electrical data

Product description	Nominal wattage	Rated wattage	Nominal current	Type of current
DE1 -W4F-830-G2 ¹⁾	1.10 W	1.10 W	0.35 A	DC
DE1 -W4F-850-G2 ¹⁾	1.10 W	1.10 W	0.35 A	DC
DE1 -W4F-830-G3 ¹⁾	1.00 W	1.00 W	0.35 A	DC
DE1 -W4F-850-G3 ¹⁾	1.00 W	1.00 W	0.35 A	DC

¹⁾ 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

Photometrical data

Product description	Total useful luminous flux	Luminous efficacy	Color temperature	Light color (designation)	Color rendering index Ra	Standard deviation of color matching
DE1 -W4F-830-G2 ¹⁾	88 lm	80 lm/W	3000 K	White	80	≤3 sdcM
DE1 -W4F-850-G2 ¹⁾	106 lm	96 lm/W	5000 K	White	80	≤3 sdcM
DE1 -W4F-830-G3 ¹⁾	100 lm	100 lm/W	3000 K	White	80	≤3 sdcM
DE1 -W4F-850-G3 ¹⁾	108 lm	108 lm/W	5000 K	White	80	≤3 sdcM

Product description	Luminous intensity	Nominal useful luminous flux 90°	Rated useful luminous flux 90°
DE1 -W4F-830-G2 ¹⁾	1080 cd	84 lm	84 lm
DE1 -W4F-850-G2 ¹⁾	1300 cd	101 lm	101 lm
DE1 -W4F-830-G3 ¹⁾	1080 cd	95 lm	95 lm
DE1 -W4F-850-G3 ¹⁾	1300 cd	103 lm	103 lm

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Light technical data

Product description	Nominal beam angle	Rated beam angle (half peak value)	Starting time	Warm-up time (60 %)
DE1 -W4F-830-G2 ¹⁾	15 °	15.00 °	< 0.1 s	< 2.00 s
DE1 -W4F-850-G2 ¹⁾	15 °	15.00 °	< 0.1 s	< 2.00 s
DE1 -W4F-830-G3 ¹⁾	15 °	15.00 °	< 0.1 s	< 2.00 s
DE1 -W4F-850-G3 ¹⁾	15 °	15.00 °	< 0.1 s	< 2.00 s

Product family datasheet

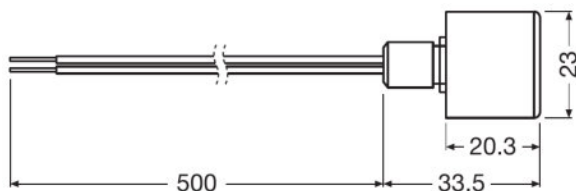
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Dimensions & weight

Product description	Diameter	Rated height	Cable length	Product weight
DE1 -W4F-830-G2 ¹⁾	23.0 mm	23.00 mm	500.0 mm	24.00 g
DE1 -W4F-850-G2 ¹⁾	23.0 mm	23.00 mm	500.0 mm	24.00 g
DE1 -W4F-830-G3 ¹⁾	23.0 mm	23.00 mm	500.0 mm	24.00 g
DE1 -W4F-850-G3 ¹⁾	23.0 mm	23.00 mm	500.0 mm	24.00 g

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Product line drawing



DE1 -W4F-830-G2, DE1 -W4F-850-G2, DE1 -W4F-830-G3,
DE1 -W4F-850-G3

Temperatures & operating conditions

Product description	Ambient temperature range
DE1 -W4F-830-G2 ¹⁾	-25...+55 °C
DE1 -W4F-850-G2 ¹⁾	-25...+55 °C
DE1 -W4F-830-G3 ¹⁾	-25...+55 °C
DE1 -W4F-850-G3 ¹⁾	-25...+55 °C

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Lifespan

Product description	Lumen main. fact. at end of nom. life time	Nominal lamp life time	Rated lamp life time	Number of switching cycles
DE1 -W4F-830-G2 ¹⁾	0.70	70000 h	70000 h	35000
DE1 -W4F-850-G2 ¹⁾	0.70	70000 h	70000 h	35000
DE1 -W4F-830-G3 ¹⁾	0.70	70000 h	70000 h	35000
DE1 -W4F-850-G3 ¹⁾	0.70	70000 h	70000 h	35000

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Capabilities

Product description	Dimmable
DE1 -W4F-830-G2 ¹⁾	Yes
DE1 -W4F-850-G2 ¹⁾	Yes
DE1 -W4F-830-G3 ¹⁾	Yes
DE1 -W4F-850-G3 ¹⁾	Yes

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Certificates & standards

Product description	Energy consumption	Energy efficiency class
DE1 -W4F-830-G2 ¹⁾	2 kWh/1000h	A++
DE1 -W4F-850-G2 ¹⁾	2 kWh/1000h	A++
DE1 -W4F-830-G3 ¹⁾	2 kWh/1000h	A++
DE1 -W4F-850-G3 ¹⁾	2 kWh/1000h	A++

Product family datasheet

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Logistical data

Product description	Temperature range at storage
DE1 -W4F-830-G2 ¹⁾	-25...85 °C
DE1 -W4F-850-G2 ¹⁾	-25...85 °C
DE1 -W4F-830-G3 ¹⁾	-25...85 °C
DE1 -W4F-850-G3 ¹⁾	-25...85 °C

¹⁾ 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

Application advice

For more detailed application information and graphics please see product datasheet.





Sales and Technical Support

Sales and Technical Support www.osram.com








Country specific information

Product description	Product code	METEL-Code	SEG-No.	STK number	UK Org
DE1 -W4F-830-G2	4052899043053	-	-	4030270	-
DE1 -W4F-850-G2	4052899042872	-	-	4030269	-

Download Data

File
 Product Family Datasheet 503243_DRAGONeye G2 DE1-W4F-8x0-G2
 Declarations of conformity 727529_EC DRAGONEYE
 Declarations of conformity 727534_Manufacturer's Declaration Dragoneye
 CAD data 3-dim 497139_DRAGONeye G2: IGES-file

Product family datasheet

	CAD data 3-dim 497141_DRAGONeye G2: STEP-file
	CAD data 3-dim 497258_DRAGONeye G2: CAD-files
	CAD data PDF 497137_DRAGONeye G2: drawing
	Eulumdat 497144_DRAGONeye G2 830: EULUMDAT
	IES data 497140_DRAGONeye G2 830 IES-file
	Eulumdat 497145_DRAGONeye G2 850 EULUMDAT
	IES data 497146_DRAGONeye G2 850 IES-file

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899043053	DE1 -W4F-830-G2	Shipping carton box 264	950 mm x 240 mm x 205 mm	46.74 dm ³	10568.00 g
4052899042872	DE1 -W4F-850-G2	Shipping carton box 264	950 mm x 240 mm x 205 mm	46.74 dm ³	10568.00 g
4052899474741	DE1 -W4F-830-G3	Shipping carton box 264	950 mm x 240 mm x 205 mm	46.74 dm ³	10568.00 g
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

▶ www.osram.com/system-guarantee

Disclaimer

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