

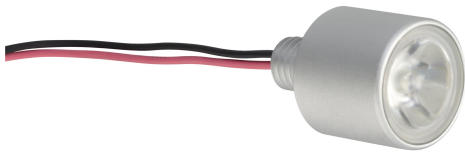
## PRODUCT DATASHEET DE1 -W4F-830-G3

DRAGONeye® | LED Spot-Modules with integrated optics

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### Areas of application

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



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### 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

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### 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 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      | 0.35 A      |

### Photometrical data

|                                         |            |
|-----------------------------------------|------------|
| Total useful luminous flux [PICOS]      | 100 lm     |
| Luminous efficacy                       | 100 lm/W   |
| Luminous flux                           | 95 lm      |
| Luminous intensity                      | 800 cd     |
| Color temperature                       | 3000 K     |
| Color rendering index Ra                | 80         |
| Light color LED                         | White      |
| Light color (designation)               | Warm White |
| Standard deviation of color matching    | 4 sdcn     |
| Rated peak intensity                    | 800 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 |
|---------------------------|---|

### Dimensions & Weight



|                |          |
|----------------|----------|
| Length         | 20.0 mm  |
| Cable length   | 500.000  |
| Width          | 23.00 mm |
| Height         | 23.00 mm |
| Diameter       | 23 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 <sup>1)</sup> |

<sup>1)</sup> At the T<sub>c</sub> 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 <a href="http://www.osram.com/led-systems">www.osram.com/led-systems</a> . / 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 |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Capabilities

|          |     |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

### Certificates & Standards

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

### LOGISTICAL DATA

|                              |             |
|------------------------------|-------------|
| Temperature range at storage | -25...85 °C |
|------------------------------|-------------|

## Energy labelling regulation data acc EU 2019/2015

|                          |     |
|--------------------------|-----|
| Lighting technology used | LED |
|--------------------------|-----|

## DOWNLOAD DATA

| Documents and certificates                                                       |                            | Document name                               |
|----------------------------------------------------------------------------------|----------------------------|---------------------------------------------|
|  | Declarations of conformity | 727529_EC DRAGONEYE                         |
|  | Declarations of conformity | 727534_Manufacturer's Declaration Dragoneye |
| Photometric and lighting design files                                            |                            | Document name                               |
|  | LDT file (Eulumdat)        | DE1-W4F-830-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                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4052899474741 | Unpacked<br>1                |                                      | 24.00 g      |                       |
| 4052899474758 | Folding box<br>6             | 113 mm x 83 mm x 88 mm               | 197.00 g     | 0.83 dm <sup>3</sup>  |
| 4052899474765 | Shipping box<br>264          | 950 mm x 240 mm x 205 mm             | 10568.00 g   | 46.74 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.

## References / Links

– For more information on the multi-level guarantee and the terms and conditions of the guarantee visit [www.ledvance.com/system-guarantee](http://www.ledvance.com/system-guarantee)

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