

## GFDS600-G1 850-05

GINOLED Flex DIFFUSE Side - Monowhite | Linear LED modules for flexible and individualized lighting solutions



### Product family features

- 3 SDCM, CRI80
- Large selection of lighting color temperatures
- 110° viewing angle per module
- Up to 50,000 h lifetime @ tc max
- Dimmable with PWM technology

### Product family benefits

- Cut to length each 41.7 mm
- 10x10 mm super slim design, fit for embedded applications
- Diffuse version, side emitting, high light uniformity without spot or dark area
- IP67 protection for truly outdoor application

### Areas of application

- Outdoor and indoor contour lighting
- Signage
- Cove lighting
- Decorative lighting
- Architectural lighting
- Accent lighting



## Technical data

### Electrical data

|                                                   |           |
|---------------------------------------------------|-----------|
| Nominal voltage                                   | 24.0 V    |
| Type of current                                   | DC        |
| Rated wattage                                     | 45.00 W   |
| Input voltage range                               | 23...25 V |
| Accidental reverse input voltage protection up to | 26 V      |
| Nominal wattage per meter                         | 9.0 W     |

### Photometrical data

|                                      |         |
|--------------------------------------|---------|
| Light color LED                      | White   |
| Color rendering index Ra             | 80      |
| Luminous efficacy                    | 70 lm/W |
| Light color (designation)            | 5000 K  |
| Color temperature                    | 5000 K  |
| Standard deviation of color matching | ≤3 sdcn |
| Luminous flux per meter              | 630 lm  |
| Correlated color temperature CCT     | -       |
| Peak luminous intensity              | -       |
| Total useful luminous flux           | 3150 lm |

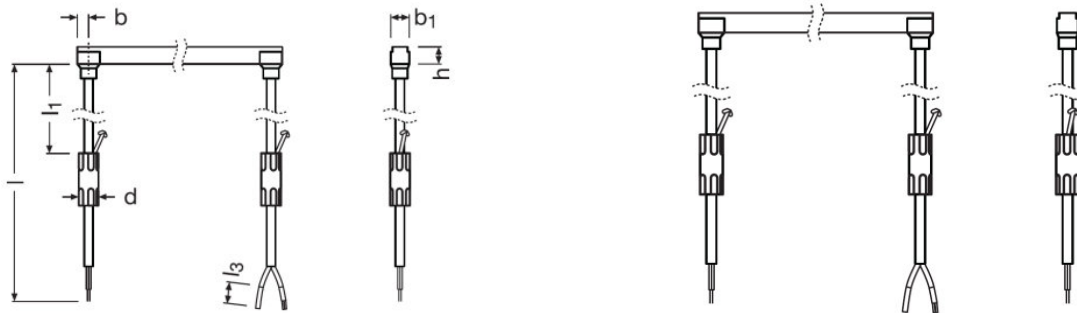
### Light technical data

|                     |         |
|---------------------|---------|
| Beam angle          | 110 °   |
| Starting time       | 0.0 s   |
| LED pitch           | 6.95 mm |
| Warm-up time (60 %) | 0.00 s  |

### LED module information

|                                  |     |
|----------------------------------|-----|
| Number of LEDs per smallest unit | 6   |
| Number of LEDs per meter         | 144 |

Dimensions & weight



|                                 |                        |
|---------------------------------|------------------------|
| Length                          | 5000 mm                |
| Product weight                  | 650.00 g               |
| Cable cross-section, input side | 0.3247 mm <sup>2</sup> |
| Length – smallest unit          | 41.7 mm                |
| Width                           | 11.0 mm                |
| Height                          | 10.5 mm                |
| Cable length                    | 300.0                  |

Colors & materials

|                |          |
|----------------|----------|
| Body material  | Silicone |
| Cover material | Silicone |

Temperatures & operating conditions

|                                            |                                                |
|--------------------------------------------|------------------------------------------------|
| Temperature range in operation at Tc point | Max 65°C@6W/m; Max 75°C@11W/m °C <sup>1)</sup> |
| Ambient temperature range                  | -40...+55 °C                                   |
| Temperature range at storage               | -40...60 °C                                    |
| Performance temp. acc. to IEC 62717        | RG0                                            |

<sup>1)</sup> Exceeding the maximum ratings will reduce expected life time or destroy the LED strip.

Lifespan

|                                         |         |
|-----------------------------------------|---------|
| Number of switching cycles              | 15000   |
| Rated lamp life time                    | 50000 h |
| Lumen main.fact.at end of nom.life time | 0.70    |
| Nominal lamp life time                  | 50000 h |

Additional product data

|                              |                             |
|------------------------------|-----------------------------|
| ID of contained light source | LS_SHZ_600984 <sup>1)</sup> |
|------------------------------|-----------------------------|

## Product datasheet

1) \_

### Capabilities

|                                |        |
|--------------------------------|--------|
| Dimmable                       | Yes    |
| Lowest bending radius          | 100 mm |
| With end piece                 | No     |
| With connection set            | Yes    |
| Control interface              | -      |
| Detection angle (Light sensor) | -      |
| Detection angle (PIR)          | -      |
| Colour-tuneable light source   | -      |

### Certificates & standards

|                                                       |                                                                              |
|-------------------------------------------------------|------------------------------------------------------------------------------|
| Standards                                             | Acc. to EN 61347-2-13/Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 61000-3-2 |
| Type of protection                                    | IP67                                                                         |
| Energy efficiency class of the contained light source | F <sup>1)</sup>                                                              |
| Energy consumption                                    | 50 kWh/1000h                                                                 |

1) \_




### Logistical data

|                |              |
|----------------|--------------|
| Commodity code | 940542319000 |
|----------------|--------------|

### Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                                    |
|-----------------------------------------------------------------------|------------------------------------|
| Date of Declaration                                                   | 18-04-2022                         |
| Primary Article Identifier                                            | 4062172195041                      |
| Candidate List Substance 1                                            | No declarable substances contained |
| Declaration No. in SCIP database                                      | No declarable substances contained |

### Download Data

| File                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------|
|  User instruction<br>GinoLED Diffuse White Flex                   |
|  Declarations of conformity<br>GFD SW+TW CE 4283939 040221        |
|  Declarations of conformity<br>GINOLED FD TW UK CE 4237513 040221 |

## Product datasheet

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### Ecodesign regulation information:

- This product is considered to be a "containing product" in the sense of Regulations (EU) 2019/2020 and (EU) 2019/2015.
- Tolerances of the reported values, are according to LED Modules Performance standard IEC/EN 62717.
- In general, the replacement of the contained light sources without permanent damage to the product with the use of common available tools is possible in the final application when they can be dismantled from the installation environment and substituted for the necessary number of light sources restoring its full electrical/mechanical/thermal/optical functionality by means of a professional installer. In the contrary, and limited to the LINEARlight Flex Diffuse, LINEARlight Rigid Finesse, GINO LED Flex Diffuse and LUMINENT Milky product families, the contained light source is an integrated part of the containing product and its removal can only be done by causing a permanent damage to the containing product due to its tight mechanical, electrical, optical, thermal interaction and/or environmental protection with or from the containing product. Therefore, a replacement of the light source with the use of common available tools is not justified.
- Dismantling of light sources from containing products at end of life: Containing products with light sources which are scalable in length can be cut to the length of the contained light source and if applicable mechanically detached from protective and/or optical covers. Containing products shall be separated from building material and/or from other additional mounting accessories by means of a professional installer. 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.

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### Logistical Data

| Product code  | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume                | Gross weight |
|---------------|---------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4062172195041 | GFDS600-G1 850-05   | Shipping carton box<br>3     | 475 mm x 360 mm x 145 mm             | 24.80 dm <sup>3</sup> | 4530.00 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.

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### Disclaimer

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