GFDS400TW-G1-82757- -01

GINOLED FLEX Diffuse Tunable White Top |



Product family features

- Available for 2500 K to 5700 K CCT adjustable
- 3 SDCM, CRI90
- Up to IP67 protection for outdoor application
- 120° viewing angle per module
- Dimmable with PWM technology
- Up to 60,000 hrs lifetime @ tc max

Product family benefits

- Slim design, fit for embedded applications
- Diffuse version, top emitting, high light uniformity without spot or dark area
- Different lengths to meet customer requirements

Areas of application

- Hospitality
- Cabinet lighting
- Signage
- Architecture lighting
- Wall integration

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Technical data

Electrical data

Nominal voltage	24.0 V
Type of current	DC
Nominal wattage per meter	12.0 W
Rated wattage	6.00 W
Input voltage range	23…25 V
Accidental reverse input voltage protection up to	25 V

Photometrical data

Light color LED	Tunable White
Color temperature	2700 K
Color rendering index Ra	80
Luminous flux per meter	820 lm
Total useful luminous flux	820 lm
Luminous efficacy	67 lm/W
Standard deviation of color matching	≤3 sdcm
Light color (designation)	2700…5700 K

Light technical data

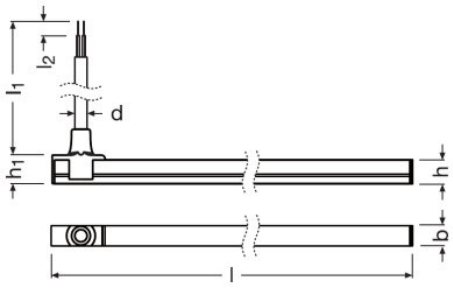
LED pitch	3.57 mm
Beam angle	110 °
Starting time	< 0.5 s
Warm-up time (60 %)	< 0.50 s

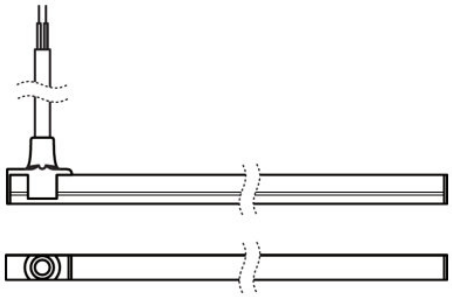
LED module information

Number of LEDs per meter	280
Number of LEDs per smallest unit	14

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Dimensions & weight





Length	1000 mm
Length – smallest unit	50.0 mm
Width	9.00 mm
Height	10.0 mm
Cable length	380.0
Product weight	120.00 g
Cable cross-section, input side	0.32 mm²

Colors & materials

Cover material	Silicone
Body material	Silicone

Temperatures & operating conditions

Performance temp. acc. to IEC 62717	35 °C
Temperature range in operation at Tc point	-25…65 °C [1)]
Ambient temperature range	-25…+45 °C
Temperature range at storage	-25…80 °C

[1)] Exceeding the maximum ratings will reduce expected life time or destroy the LED strip.

Lifespan

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

Capabilities

Lowest bending radius	60 mm

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Certificates & standards

Energy consumption	14 kWh/1000h
Standards	Acc. to EN62471/EN62778/ISO 4892-2 - Method A/IEC 60068-2-52 severity 1/RoHS/Reach/CE/IEC60068-2-60 Test Ke Method 4
Type of protection	IP65

Logistical data

Commodity code	85395100000

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	17-02-2023
Primary Article Identifier	4062172147453
Candidate List Substance 1	No declarable substances contained
Declaration No. in SCIP database	No declarable substances contained

Download Data

	File
	User instruction GinoLED Flex Diffuse Side Tunable White
	User instruction GinoLED DIFFUSE TOPSIDE TW PLUS
	Addon Technical Information GFDS TW - Specification sheet
	Product Datasheet GINOLED Flex Diffuse TW Plus TOP_Specification sheet (EN)
	Product Datasheet GINOLED Flex Diffuse TW Plus SIDE_Specification sheet (EN)
	Declarations of conformity Ginolum Diffuse TW CE 4237513 150823
	IES data GFDS400TW-G1-82757-0105

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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.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172147453	GFDS400TW-G1-82757- -01	Shipping carton box 40	570 mm x 570 mm x 380 mm	123.46 dm^3	12740.00 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.

Disclaimer

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

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