

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



Product family datasheet

Technical data

Electrical data

Product description	Nominal voltage	Type of current	Nominal wattage per meter	Rated wattage	Input voltage range	Accidental reverse input voltage protection up to
GFDS400TW-G1-82757- -01	24.0 V	DC	12.0 W	6.00 W	23...25 V	25 V
GFDS400TW-G1-82757- -05	24.0 V	DC	12.0 W	27.00 W	23...25 V	25 V
GFDT500TW-G1 82757-01	240 V	DC		600 W	23...25 V	
GFDT500TW-G1 82757-05	240 V	DC		2700 W	23...25 V	

Photometrical data

Product description	Light color LED	Color temperature	Color rendering index Ra	Luminous flux per meter	Total useful luminous flux	Luminous efficacy	Standard deviation of color matching
GFDS400TW-G1-82757- -01	Tunable White	2700 K	80	820 lm	820 lm	67 lm/W	≤3 sdc
GFDS400TW-G1-82757- -05	Tunable White	2700 K	80	820 lm	4100 lm	67 lm/W	≤3 sdc
GFDT500TW-G1 82757-01	Tunable White	2700 K	80	500 lm			
GFDT500TW-G1 82757-05	Tunable White	2700 K	80	500 lm			

Product description	Light color (designation)
GFDS400TW-G1-82757- -01	2700...5700 K
GFDS400TW-G1-82757- -05	2700...5700 K
GFDT500TW-G1 82757-01	
GFDT500TW-G1 82757-05	

Light technical data

Product description	LED pitch	Beam angle	Starting time	Warm-up time (60 %)
GFDS400TW-G1-82757- -01	3.57 mm	110 °	< 0.5 s	< 0.50 s
GFDS400TW-G1-82757- -05	3.57 mm	110 °	< 0.5 s	< 0.50 s
GFDT500TW-G1 82757-01		110 °		
GFDT500TW-G1 82757-05		110 °		

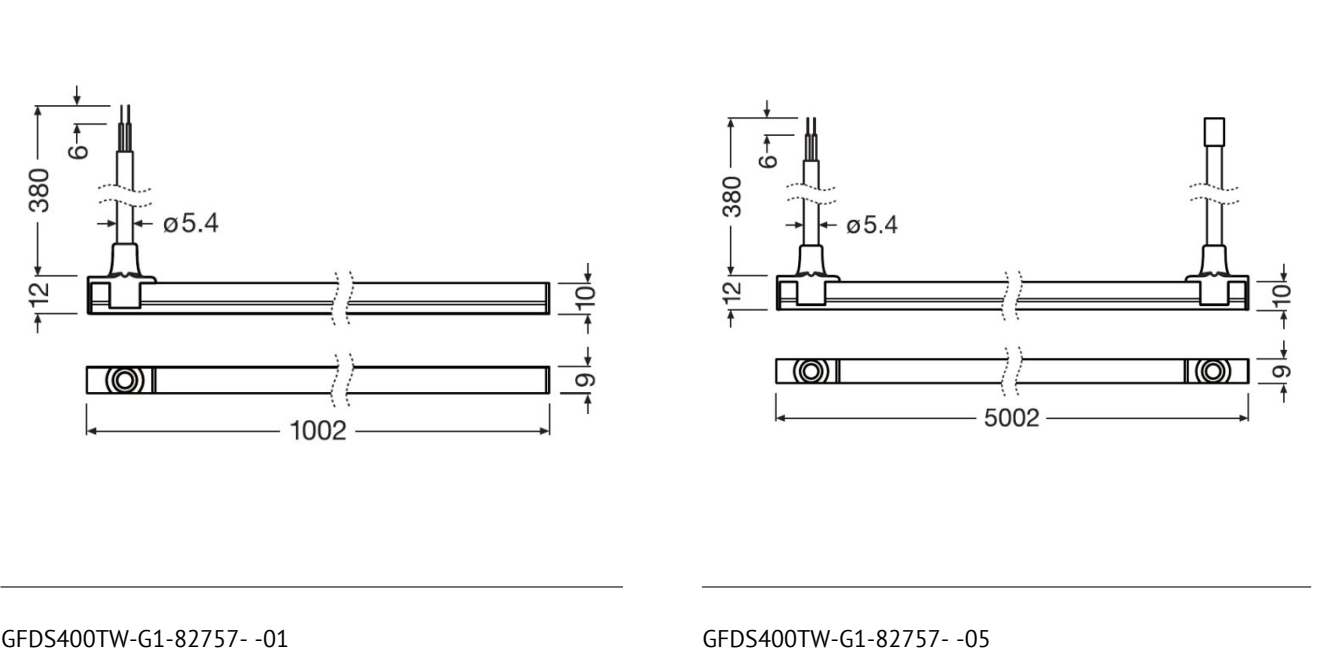
LED module information

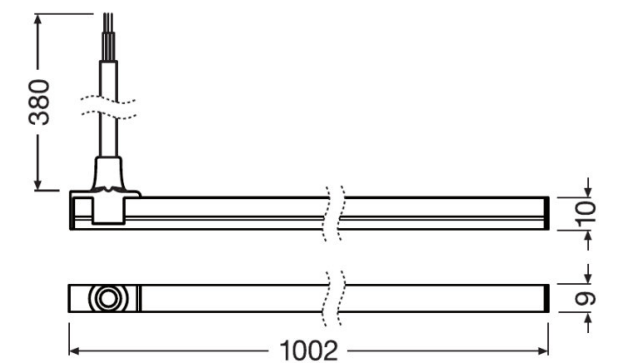
Product description	Number of LEDs per meter	Number of LEDs per smallest unit
GFDS400TW-G1-82757- -01	280	14
GFDS400TW-G1-82757- -05	280	14
GFDT500TW-G1 82757-01		
GFDT500TW-G1 82757-05		

Dimensions & weight

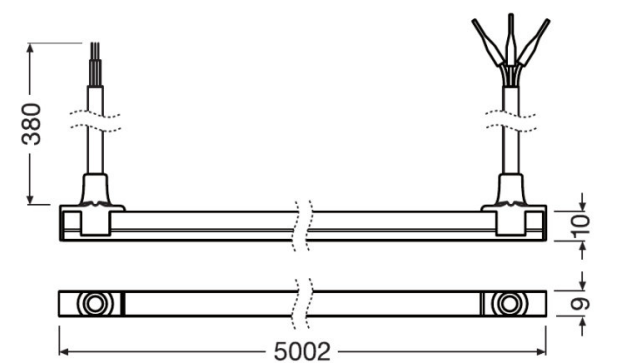
Product description	Length	Length – smallest unit	Width	Height	Cable length	Product weight
GFDS400TW-G1-82757- -01	1000 mm	50.0 mm	9.00 mm	10.0 mm	380.0	120.00 g
GFDS400TW-G1-82757- -05	5000 mm	50.0 mm	9.00 mm	10.0 mm	380.0	550.00 g
GFDT500TW-G1 82757-01	1002 mm		100 mm	900 mm	3800	12000 g
GFDT500TW-G1 82757-05	50020 mm		100 mm	900 mm	3800	55000 g

Product line drawing





GFDT500TW-G1 82757-01



GFDT500TW-G1 82757-05

Colors & materials

Product description	Cover material	Body material
GFDS400TW-G1-82757- -01	Silicone	Silicone
GFDS400TW-G1-82757- -05	Silicone	Silicone
GFDT500TW-G1 82757-01		
GFDT500TW-G1 82757-05		

Temperatures & operating conditions

Product description	Performance temp. acc. to IEC 62717	Temperature range in operation at Tc point	Ambient temperature range	Temperature range at storage
GFDS400TW-G1-82757- -01	35 °C	-25...65 °C ¹⁾	-25...+45 °C	-25...80 °C
GFDS400TW-G1-82757- -05	35 °C	-25...65 °C ¹⁾	-25...+45 °C	-25...80 °C
GFDT500TW-G1 82757-01			-25...+45 °C	-25...80 °C
GFDT500TW-G1 82757-05			-25...+45 °C	-25...80 °C

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

Lifespan

Product description	Rated lamp life time	Nominal lamp life time	Lumen main. fact. at end of nom. life time	Number of switching cycles
GFDS400TW-G1-82757- -01	50000 h	50000 h	0.70	15000
GFDS400TW-G1-82757- -05	50000 h	50000 h	0.70	15000
GFDT500TW-G1 82757-01	50000 h	50000 h		
GFDT500TW-G1 82757-05	50000 h	50000 h		

Capabilities

Product description	Lowest bending radius
GFDS400TW-G1-82757- -01	60 mm
GFDS400TW-G1-82757- -05	60 mm
GFDT500TW-G1 82757-01	
GFDT500TW-G1 82757-05	

Certificates & standards

Product description	Energy consumption	Standards	Type of protection
GFDS400TW-G1-82757- -01	14 kWh/1000h	Acc. to EN62471/EN62778/ISO 4892-2 - Method A/IEC 60068-2-52 severity 1/RoHS/Reach/CE/IEC600 68-2-60 Test Ke Method 4	IP65
GFDS400TW-G1-82757- -05	66 kWh/1000h	Acc. to EN62471/EN62778/IEC 60068-2-52 severity 1/ISO 4892-2 - Method A/RoHS/Reach/CE/IEC600 68-2-60 Test Ke Method 4	IP65
GFDT500TW-G1 82757-01		Acc. to EN62471/EN62778/ISO 4892-2 - Method A/IEC 60068-2-52 severity 1/RoHS/Reach/CE/IEC600 68-2-60 Test Ke Method 4	IP65
GFDT500TW-G1 82757-05		Acc. to EN62471/EN62778/ISO 4892-2 - Method A/IEC 60068-2-52 severity 1/RoHS/Reach/CE/IEC600 68-2-60 Test Ke Method 4	IP65

Product family datasheet

Logistical data

Product description	Commodity code
GFDS400TW-G1-82757- -01	85395100000
GFDS400TW-G1-82757- -05	85395100000
GFDT500TW-G1 82757-01	940540399000
GFDT500TW-G1 82757-05	940540399000

Environmental information
Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
GFDS400TW-G1-82757- -01	17-02-2023	4062172147453	No declarable substances contained
GFDS400TW-G1-82757- -05	17-02-2023	4062172147477	No declarable substances contained
GFDT500TW-G1 82757-01	15-02-2023	4062172167079	No declarable substances contained
GFDT500TW-G1 82757-05	15-02-2023	4062172167093	No declarable substances contained

Product description	Declaration No. in SCIP database
GFDS400TW-G1-82757- -01	No declarable substances contained
GFDS400TW-G1-82757- -05	No declarable substances contained
GFDT500TW-G1 82757-01	No declarable substances contained
GFDT500TW-G1 82757-05	No declarable substances contained

Application advice

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

Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

File

Product family datasheet

	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

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
4062172147477	GFDS400TW-G1-82757- - 05	Shipping carton box 10	370 mm x 370 mm x 380 mm	52.02 dm ³	8380.00 g
4062172167079	GFDT500TW-G1 82757- 01	Shipping carton box 40	570 mm x 570 mm x 380 mm	123.46 dm ³	12740.00 g

Product family datasheet

Logistical Data

4062172167093	GFDT500TW-G1 82757-05	Shipping carton box 10	370 mm x 370 mm x 380 mm	52.02 dm ³	8380.00 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.

Accessories Optional

Product description	Accessory name	Accessory code
GFDS400TW-G1-82757- -01	FX-GFDS13-G1 -ENDCAP	▶ 4062172147491
GFDS400TW-G1-82757- -01	FX-GFPM-G1-TT-13H11- -20	▶ 4062172147514
GFDS400TW-G1-82757- -01	FX-GFPM-G1-TT-13H11- -1000	▶ 4062172147538
GFDS400TW-G1-82757- -05	FX-GFDS13-G1 -ENDCAP	▶ 4062172147491
GFDS400TW-G1-82757- -05	FX-GFPM-G1-TT-13H11- -20	▶ 4062172147514
GFDS400TW-G1-82757- -05	FX-GFPM-G1-TT-13H11- -1000	▶ 4062172147538
GFDT500TW-G1 82757-01	FX-GFPM-G1-TT-13H11- -20	▶ 4062172147514
GFDT500TW-G1 82757-01	FX-GFPM-G1-TT-13H11- -1000	▶ 4062172147538
GFDT500TW-G1 82757-01	FX-GFDT13-G1 -ENDCAP	▶ 4062172167116
GFDT500TW-G1 82757-05	FX-GFPM-G1-TT-13H11- -20	▶ 4062172147514
GFDT500TW-G1 82757-05	FX-GFPM-G1-TT-13H11- -1000	▶ 4062172147538
GFDT500TW-G1 82757-05	FX-GFDT13-G1 -ENDCAP	▶ 4062172167116

Disclaimer

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