

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



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
GFDT800TWPLUS-G1- 92557-07 L1	24.0 V	DC	12.5 W	88.00 W	23...25 V	25 V
GFDT800TWPLUS-G1- 92557-07 L2	24.0 V	DC	12.5 W	88.00 W	23...25 V	25 V
GFDT800TWPLUS-G1- 92557-01 L1	24.0 V	DC	12.5 W	12.00 W	23...25 V	25 V
GFDS800TWPLUS-G1- 92557-07 L1	24.0 V	DC	14.1 W	99.00 W	23...25 V	25 V
GFDS800TWPLUS-G1- 92557-07 L2	24.0 V	DC	14.1 W	99.00 W	23...25 V	25 V
GFDS800TWPLUS-G1- 92557-01 L1	24.0 V	DC	14.1 W	13.50 W	23...25 V	25 V
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

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
GFDT800TWPLUS-G1- 92557-07 L1	Dynamic White	3465 K	90	832 lm	5875 lm	67 lm/W	≤3,5 sdc
GFDT800TWPLUS-G1- 92557-07 L2	Dynamic White	3465 K	90	832 lm	5875 lm	67 lm/W	≤3,5 sdc
GFDT800TWPLUS-G1- 92557-01 L1	Dynamic White	3465 K	90	832 lm	799 lm	67 lm/W	≤3,5 sdc
GFDS800TWPLUS-G1- 92557-07 L1	Dynamic White	3465 K	90	832 lm	5875 lm	59 lm/W	≤3,5 sdc
GFDS800TWPLUS-G1- 92557-07 L2	Dynamic White	3465 K	90	832 lm	5875 lm	59 lm/W	≤3,5 sdc
GFDS800TWPLUS-G1- 92557-01 L1	Dynamic White	3465 K	90	832 lm	799 lm	59 lm/W	≤3,5 sdc
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
Product description	Light color (designation)						
GFDT800TWPLUS-G1- 92557-07 L1	2500...5700 K						
GFDT800TWPLUS-G1- 92557-07 L2	2500...5700 K						
GFDT800TWPLUS-G1- 92557-01 L1	2500...5700 K						
GFDS800TWPLUS-G1- 92557-07 L1	2500...5700 K						
GFDS800TWPLUS-G1- 92557-07 L2	2500...5700 K						
GFDS800TWPLUS-G1- 92557-01 L1	2500...5700 K						
GFDS400TW-G1-82757- -01	2700...5700 K						

Product family datasheet

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

Light technical data

Product description	LED pitch	Starting time	Warm-up time (60 %)	Beam angle
GFDT800TWPLUS-G1- 92557-07 L1	5.71 mm	< 0.5 s	< 0.50 s	
GFDT800TWPLUS-G1- 92557-07 L2	5.71 mm	< 0.5 s	< 0.50 s	
GFDT800TWPLUS-G1- 92557-01 L1	5.71 mm	< 0.5 s	< 0.50 s	
GFDS800TWPLUS-G1- 92557-07 L1	5.71 mm	< 0.5 s	< 0.50 s	
GFDS800TWPLUS-G1- 92557-07 L2	5.71 mm	< 0.5 s	< 0.50 s	
GFDS800TWPLUS-G1- 92557-01 L1	5.71 mm	< 0.5 s	< 0.50 s	
GFDS400TW-G1-82757- -01	3.57 mm	< 0.5 s	< 0.50 s	110 °
GFDS400TW-G1-82757- -05	3.57 mm	< 0.5 s	< 0.50 s	110 °

LED module information

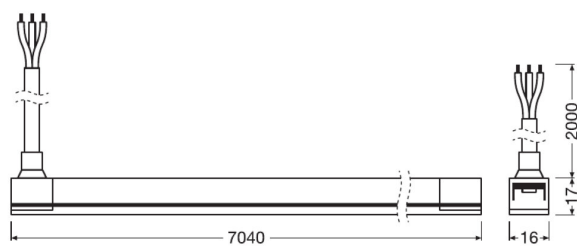
Product description	Number of LEDs per meter	Number of LEDs per smallest unit
GFDT800TWPLUS-G1- 92557-07 L1	175	14
GFDT800TWPLUS-G1- 92557-07 L2	175	14
GFDT800TWPLUS-G1- 92557-01 L1	175	14
GFDS800TWPLUS-G1- 92557-07 L1	175	14
GFDS800TWPLUS-G1- 92557-07 L2	175	14
GFDS800TWPLUS-G1- 92557-01 L1	175	14
GFDS400TW-G1-82757- -01	280	14
GFDS400TW-G1-82757- -05	280	14

Dimensions & weight

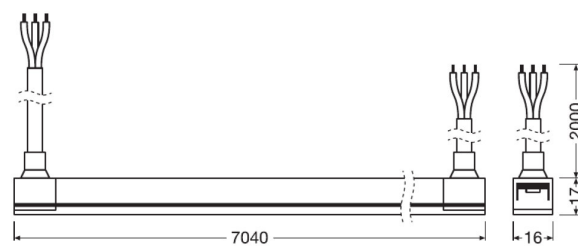
Product description	Length	Length – smallest unit	Width	Height	Cable length	Product weight
GFDT800TWPLUS-G1- 92557-07 L1	7040 mm	80 mm	16.0 mm	17.0 mm	2000.0	2570.00 g
GFDT800TWPLUS-G1- 92557-07 L2	7040 mm		16.0 mm	17.0 mm	2000.0	2650.00 g
GFDT800TWPLUS-G1- 92557-01 L1	960.0 mm	80 mm	16.0 mm	17.0 mm	2000.0	420.00 g
GFDS800TWPLUS-G1- 92557-07 L1	7040 mm	80 mm	16.0 mm	17.0 mm	2000.0	2570.00 g
GFDS800TWPLUS-G1- 92557-07 L2	7040 mm	80 mm	16.0 mm	17.0 mm	2000.0	2650.00 g
GFDS800TWPLUS-G1- 92557-01 L1	960.0 mm	80 mm	16.0 mm	17.0 mm	2000.0	420.00 g
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

Product family datasheet

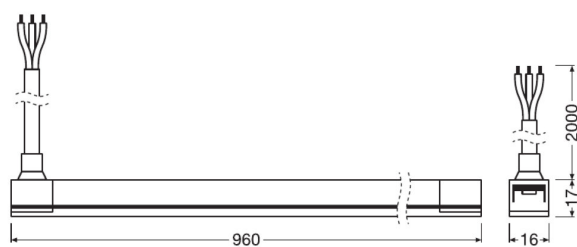
Product line drawing



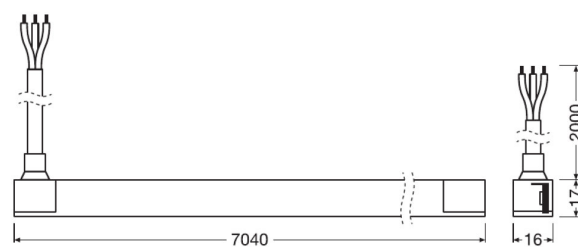
GFDT800TWPLUS-G1- 92557-07 L1



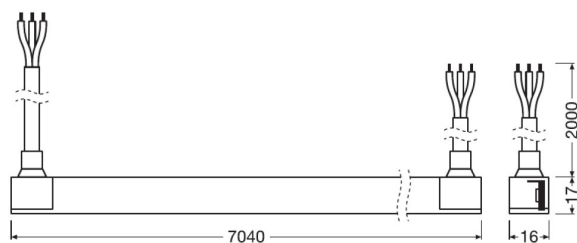
GFDT800TWPLUS-G1- 92557-07 L2



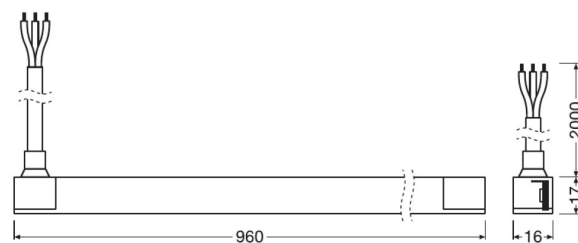
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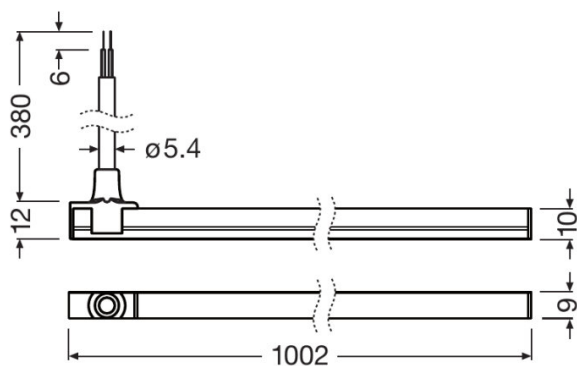
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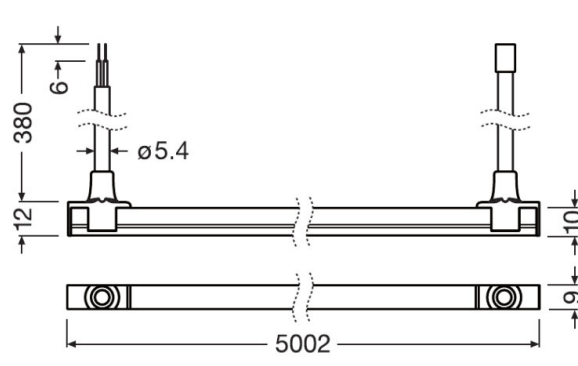
GFDS800TWPLUS-G1- 92557-07 L2



GFDS800TWPLUS-G1- 92557-01 L1



GFDS400TW-G1-82757- -01



GFDS400TW-G1-82757- -05

Colors & materials

Product description	Cover material	Body material
GFDT800TWPLUS-G1- 92557-07 L1	Silicone	Silicone
GFDT800TWPLUS-G1- 92557-07 L2	Silicone	Silicone
GFDT800TWPLUS-G1- 92557-01 L1	Silicone	Silicone
GFDS800TWPLUS-G1- 92557-07 L1	Silicone	Silicone
GFDS800TWPLUS-G1- 92557-07 L2	Silicone	Silicone
GFDS800TWPLUS-G1- 92557-01 L1	Silicone	Silicone
GFDS400TW-G1-82757- -01	Silicone	Silicone
GFDS400TW-G1-82757- -05	Silicone	Silicone

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
GFDT800TWPLUS-G1- 92557-07 L1	40 °C	-30...90 °C	-30...+55 °C	-40...55 °C
GFDT800TWPLUS-G1- 92557-07 L2	40 °C	-30...90 °C	-30...+55 °C	-40...55 °C
GFDT800TWPLUS-G1- 92557-01 L1	40 °C	-30...90 °C	-30...+55 °C	-40...55 °C
GFDS800TWPLUS-G1- 92557-07 L1	40 °C	-30...90 °C	-30...+55 °C	-40...55 °C
GFDS800TWPLUS-G1- 92557-07 L2	40 °C	-30...90 °C	-30...+55 °C	-40...55 °C
GFDS800TWPLUS-G1- 92557-01 L1	40 °C	-30...90 °C	-30...+55 °C	-40...55 °C
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

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
GFDT800TWPLUS-G1- 92557-07 L1	60000 h	60000 h	0.70	>30000
GFDT800TWPLUS-G1- 92557-07 L2	60000 h	60000 h	0.70	>30000
GFDT800TWPLUS-G1- 92557-01 L1	60000 h	60000 h	0.70	>30000
GFDS800TWPLUS-G1- 92557-07 L1	60000 h	60000 h	0.70	>30000
GFDS800TWPLUS-G1- 92557-07 L2	60000 h	60000 h	0.70	>30000
GFDS800TWPLUS-G1- 92557-01 L1	60000 h	60000 h	0.70	>30000
GFDS400TW-G1-82757- -01	50000 h	50000 h	0.70	15000
GFDS400TW-G1-82757- -05	50000 h	50000 h	0.70	15000

Product family datasheet

Capabilities

Product description	Lowest bending radius	Self-adhesive	With connection set
GFDT800TWPLUS-G1- 92557-07 L1	150 mm	No	No
GFDT800TWPLUS-G1- 92557-07 L2	150 mm	No	No
GFDT800TWPLUS-G1- 92557-01 L1	150 mm	No	No
GFDS800TWPLUS-G1- 92557-07 L1	150 mm	No	No
GFDS800TWPLUS-G1- 92557-07 L2	150 mm	No	No
GFDS800TWPLUS-G1- 92557-01 L1	150 mm	No	No
GFDS400TW-G1-82757- -01	60 mm		
GFDS400TW-G1-82757- -05	60 mm		
Product description	With end piece		
GFDT800TWPLUS-G1- 92557-07 L1	No		
GFDT800TWPLUS-G1- 92557-07 L2	No		
GFDT800TWPLUS-G1- 92557-01 L1	No		
GFDS800TWPLUS-G1- 92557-07 L1	No		
GFDS800TWPLUS-G1- 92557-07 L2	No		
GFDS800TWPLUS-G1- 92557-01 L1	No		
GFDS400TW-G1-82757- -01			
GFDS400TW-G1-82757- -05			

Certificates & standards

Product description	Standards	Type of protection	Energy consumption
GFDT800TWPLUS-G1- 92557-07 L1	CE/ENEC/UL/BIS	IP67	
GFDT800TWPLUS-G1- 92557-07 L2	CE/ENEC/UL/BIS	IP67	
GFDT800TWPLUS-G1- 92557-01 L1	CE/ENEC/UL/BIS	IP67	
GFDS800TWPLUS-G1- 92557-07 L1	CE/ENEC/UL/BIS	IP67	
GFDS800TWPLUS-G1- 92557-07 L2	CE/ENEC/UL/BIS	IP67	
GFDS800TWPLUS-G1- 92557-01 L1	CE/ENEC/UL/BIS	IP67	
GFDS400TW-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	14 kWh/1000h
GFDS400TW-G1-82757- -05	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	66 kWh/1000h

Logistical data

Product description	Commodity code
GFDT800TWPLUS-G1- 92557-07 L1	853951000000
GFDT800TWPLUS-G1- 92557-07 L2	85395100000
GFDT800TWPLUS-G1- 92557-01 L1	85395100000
GFDS800TWPLUS-G1- 92557-07 L1	853951000000
GFDS800TWPLUS-G1- 92557-07 L2	85395100000
GFDS800TWPLUS-G1- 92557-01 L1	85395100000
GFDS400TW-G1-82757- -01	85395100000
GFDS400TW-G1-82757- -05	85395100000

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
GFDT800TWPLUS-G1- 92557-07 L1	02-08-2022	4062172284813	No declarable substances contained
GFDT800TWPLUS-G1- 92557-07 L2	19-07-2022	4062172284837	No declarable substances contained
GFDT800TWPLUS-G1- 92557-01 L1	19-07-2022	4062172284899	No declarable substances contained
GFDS800TWPLUS-G1- 92557-07 L1	17-02-2023	4062172284851	No declarable substances contained
GFDS800TWPLUS-G1- 92557-07 L2	17-02-2023	4062172284875	No declarable substances contained
GFDS800TWPLUS-G1- 92557-01 L1	17-02-2023	4062172284912	No declarable substances contained
GFDS400TW-G1-82757- -01	17-02-2023	4062172147453	No declarable substances contained
GFDS400TW-G1-82757- -05	17-02-2023	4062172147477	No declarable substances contained

Product description	Declaration No. in SCIP database
GFDT800TWPLUS-G1- 92557-07 L1	No declarable substances contained
GFDT800TWPLUS-G1- 92557-07 L2	No declarable substances contained
GFDT800TWPLUS-G1- 92557-01 L1	No declarable substances contained
GFDS800TWPLUS-G1- 92557-07 L1	No declarable substances contained
GFDS800TWPLUS-G1- 92557-07 L2	No declarable substances contained
GFDS800TWPLUS-G1- 92557-01 L1	No declarable substances contained
GFDS400TW-G1-82757- -01	No declarable substances contained

Product family datasheet

Product description	Declaration No. in SCIP database
GFDS400TW-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
 User instruction GinoLED DIFFUSE TOPSIDE TW PLUS
 Product Datasheet GINOLED Flex Diffuse TW Plus TOP_Specification sheet (EN)
 Product Datasheet GINOLED Flex Diffuse TW Plus SIDE_Specification sheet (EN)
 User instruction GinoLED Flex Diffuse Side Tunable White
 Addon Technical Information GFDS TW - Specification sheet
 Declarations of conformity Ginolum Diffuse TW CE 4237513 150823
 IES data GFDS400TW-G1-82757-0105

Product family datasheet

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
4062172284813	GFDT800TWPLUS-G1-92557-07 L1	Shipping carton box 3	725 mm x 619 mm x 175 mm	78.54 dm ³	12509.00 g
4062172284837	GFDT800TWPLUS-G1-92557-07 L2	Shipping carton box 3	725 mm x 610 mm x 175 mm	77.39 dm ³	12749.00 g
4062172284899	GFDT800TWPLUS-G1-92557-01 L1	Shipping carton box 10	710 mm x 475 mm x 225 mm	75.88 dm ³	10900.00 g
4062172284851	GFDS800TWPLUS-G1-92557-07 L1	Shipping carton box 3	725 mm x 619 mm x 175 mm	78.54 dm ³	12509.00 g
4062172284875	GFDS800TWPLUS-G1-92557-07 L2	Shipping carton box 3	725 mm x 610 mm x 175 mm	77.39 dm ³	12749.00 g
4062172284912	GFDS800TWPLUS-G1-92557-01 L1	Shipping carton box 10	710 mm x 475 mm x 225 mm	75.88 dm ³	10900.00 g
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

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.