PRODUCT DATASHEET
LFD400T -G1-865-06

LINEARlight FLEX® DIFFUSE Top White | LED modules for professional and industrial applications



Areas of application

- Individualized & customized luminaires
- Organically shaped luminaires
- Architectural integration (coves and walls)
- Object integration (handrails)
- Signage applications

Product benefits

- Extra strong self-adhesive backside for easy mounting
- Mounting clip accessories available to increase the versalilty of the system
- Optimally paired with OPTOTRONIC 24VDC power supplies
- Increased reliability due to single piece reel-to-reel technology
- Dimmable with PWM technology

Product features

- Saturated, homogeneous linear LED modules with the look of neon
- Flexible and field cuttable module to support design freedom
- IP67 protection with high performance silicone
- Outdoor use possible: UV and salt mist resistant
- Long, operational length per single power feed possible (up to 6m)



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- Produced in Top bending (LFD400T) and Side bending (LFD400S) versions
- 24 V technology for easy dimensioning
- Available in four CCTs of white (2700 K to 6500 K) and five monochrome colors (LFD400MT and LFD400MS)

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TECHNICAL DATA

Electrical data

Nominal wattage	43.20 W
Construction wattage	43.20 W
Nominal wattage per meter	7,2 W
Nominal voltage	24 V
Input voltage range	23…25 V
Reverse Voltage	25 V
Type of current	DC
Nominal current	1800.000 mA

Photometrical data

Total useful luminous flux [PICOS]	2760 lm
Luminous efficacy	64 lm/W
Luminous flux	2760 lm
Luminous flux per meter	460 lm
Color temperature	6500 K
Color rendering index Ra	> 80
Light color LED	White
Light color (designation)	6500 K
Standard deviation of color matching	≤3 sdcm
Lumen main.fact.at end of nom.life time	0.70

Light technical data

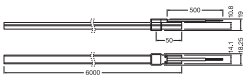
Beam angle	120 °
Rated beam angle (half peak value)	120.00 °
Starting time	< 0.5 s
Warm-up time (60 %)	0.00 s

LED MODULE INFORMATION

Number of LEDs per meter	140
Number of LEDs per module	840
Number of LEDs per smallest unit	7

Dimensions & Weight

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Length	6000 mm
Length – smallest unit	50,0 mm
Cable length	500.000
Width	14.00 mm
Height	11.00 mm
Cable cross-section, input side	1 mm²
Conductor cross section	1.0 mm²
LED pitch	7.2 mm
Product weight	1040.00 g

Colors & materials

Cover material	Silicone

Temperatures & operating conditions

Ambient temperature range	-30…+50 °C
Maximum temperature at tc test point	65 °C
Temperature range in operation	-20…65 °C [1)]
Performance temp. acc. to IEC 62717	32 °C [2)]

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

2) Tp rated. Tp point coincides with Tc point - marked on device

Lifespan

Number of switching cycles	≥ 15000

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 www.osram.com/led-systems. / 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

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Dimmable	Yes
Dimming interface	PWM
Type of installation	Surface mounting
Lowest bending radius	100 mm
Self-adhesive	Yes

Certificates & Standards

Standards	CE; ENEC 10 VDE / EAC / UL Recognized component according UL 8750
Type of protection	IP66/IP67
Energy consumption	48.00 kWh/1000h
Energy efficiency class	A+

LOGISTICAL DATA

Temperature range at storage	-20...85 °C

DOWNLOAD DATA

	Documents and certificates
PDF	User instruction
PDF	Declarations Of Conformity CE
PDF	Certificates

	Photometric and lighting design files
	IES file (IES)
	LDT file (Eulumdat)

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899953543	Folding box 1	506 mm x 502 mm x 37 mm	1310.00 g	9.40 dm^3
4052899954731	Shipping box 6	519 mm x 246 mm x 525 mm	13358.00 g	67.03 dm^3

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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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