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PRODUCTINFORMATIEBLAD

LS PFM -300/840/5

LED STRIP PERFORMANCE-300 | Hoogwaardige LED strips met 300 lm/m voor veeleisende toepassingen



Toepassingsgebieden

- Algemene binnenverlichting
- Industrie
- Kantoren, winkels en vergaderruimten
- Architecturale verlichting
- Decoratieve verlichting

Productvoordelen

- Vele ontwerpmogelijkheden dankzij lange en flexibele LED strips
- Eenvoudige installatie, geen gereedschap vereist voor aansluiting
- Eenvoudige montage op vele gladde oppervlakken dankzij zelfklevende tape
- Maximale flexibiliteit dankzij het grote aanbod van accessoires
- Eenvoudige aansluiting dankzij geïntegreerde kabels aan beide zijden

Productkenmerken

- Flexibele en afsnijdbare LED-strip
- Kleinste deelbare eenheid: 100 mm
- Levensduur (L70/B50): tot 35.000 uur bij Tc max.: 75°C
- Lichtstroom: 300 lm/m
- Kleurweergave-index R_a : 80
- Kleurconsistentie begin: ≤ 4 SDCM
- Groot aanbod van kleurtemperaturen: van warm wit tot koel daglicht
- Dimbaar met geschikte stuurprogramma's, zie ook www.benelux.ledvance.com/dim

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TECHNISCHE GEGEVENS

ELEKTRISCHE GEGEVENS

Nominale vermogen	13,50 W
Nominaal vermogen	13.50 W
Nominaal wattage per meter	2.7 W
Nominale spanning	24 V ¹⁾
Ingangsspanning	23...25 V ¹⁾
Omgekeerde spanning	25 V ¹⁾
Type stroom	DC
Nominale stroom	562,000 mA

1) V_{DC}

Fotometrische gegevens

Lichtstroom efficiëntie	129,6 lm/W
Lichtstroom	1750 lm
Lichtstroom per meter	350 lm
Lichtstroom per moduleketting	1750 lm
Kleurtemperatuur	4000 K
Kleurweergave-index Ra	> 80
Lichtkleur LED	Koel wit
Lichtkleur	Koel wit
Standaardafwijking van kleurproeven	≤4 sdcm

Lichttechnische gegevens

Stralingshoek	120 °
Nominale uitstr hoek (halfwaarde)	120.00 °

LED MODULE INFORMATION

Aantal LED's per meter	70
Aantal LEDs per module	350
Aantal LEDs per kleinste eenheid	7

AFMETINGEN & GEWICHT



Lengte	5000.00 mm
Lengte – kleinste eenheid	100 mm
Kabellengte	500.000
Breedte	8.00 mm
Breedte (incl. ronde armaturen)	8.00 mm
Hoogte	1.40 mm
Hoogte (incl. cylin. armaturen)	1.40 mm
Voorbedraad	Ja
Dwarsdoorsnede conductor	0.5 mm ²
LED pitch	14,3 mm
Short pitch	Nee
Product gewicht	80,00 g

TEMPERATUREN & BEDRIJFSOMSTANDIGHEDEN

Omgevingstemperatuur bereik	-15...+45 °C ¹⁾
Maximumtemperatuur op T _c -testpunt	75 °C ²⁾
Temperatuursbereik op punt T _c	-15...+75 °C ³⁾

1) Als die temperatuur op het T_c-punt ligt, is deze tijdens bedrijf onder de maximale waarde

2) Overschrijding van de maximum waarden kan de verwachte levensduur verkorten of de LED strip vernietigen

3) Op het punt T_c

Levensduur

Nominale levensduur lamp	35000 h
Aantal schakelcycli	100000

MOGELIJKHEDEN

Dimbaar	Ja ¹⁾
Laagste buigradius	25 mm
Zelfklevend	Ja
Reverse polarity protection [PIM] REM	Tot maximaal 25 V _{DC}

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CERTIFICATEN & NORMEN

Keurmerken	TUV / RoHS / CE / REACH
Normen	Volgens IEC 62471 / Volgens IEC 60598-1 / Volgens EN 60529 / Volgens EN 62031 / Volgens EN 55015 / Volgens EN 61547
Type bescherming	IP00
Energieverbruik	14.85 kWh/1000h
Energie-efficiëntieklasse	A+
Zoutnevelbestendigheid: IEC 60068-2-52	Nee
UV-bestendigheid volgens IEC 60068 2 5	Nee

LOGISTIEKE GEGEVENS

Opslagtemperatuur	-35...+85 °C
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Technische uitrustung

- Verbindingstukken, profielen en afdekkingen voor verschillende montageopties zijn beschikbaar

AANVULLENDE PRODUCTINFORMATIE

- All the technical parameters apply to the entire LED 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.
- All LED strips have a self-adhesive tape on the reverse side. LED strips can be attached to suitable materials, e.g. aluminum profiles. The surface of the material must be free of grease, oil, silicone and dirt particles. The adhesive tape can be used only one time, if the LED strip will be removed from the mounting surface, there could be a damage of the LED strips and the mounting material. The surface temperature of the mounting material should be in the temperature range of 18°C...35°C. Complete adhesion takes up to 72 h.
- According IPC 6013C – Use A the LED strips are designed for static installation. Vibrations, respective torsion and elongation/compression must be considered.
- In a wide temperature range operation field (e.g. outdoor installation) and a LED strip length with more than 2m suitable mounting surface is required. To avoid stress due to mismatch in expansion of the different materials, there should be an extra thicker adhesive tape between LED strip and mounting surface. Additionally, the LED strip should have enough space for thermal expansion at higher temperatures.
- Compensation due to chemical corrosion is excluded. A suitable protection against corrosive agents such as moisture, condensation etc. must be provided. Hydrogen sulfide (H₂S) will cause an accelerated corrosion which leads to shortened lifetime or premature failure.
- IP00 LED strips have not surface coating. Consequently, they have no protection against contact and corrosion.
- Installation of the LED strip has to be done by a qualified electrician.
- Handle with care to avoid mechanical product damage
- If the maximum operating and storage temperature ratings will be exceeded, the expected lifetime will be reduced or even the LED strip will be destroyed. It is not allowed to operate the LED strip over the specified T_c temperature (acc. EN 60598-1 under steady state conditions)
- It is not allowed to exceed the maximum operation voltage. This could cause a hazardous overload and will destroy the LED strip.
- The applicable electrical and safety standards have to be maintained for a LED strip installations
- Pay attention on correct polarity. Incorrect polarity or wrong wiring can cause unpredictable permanent damage or even failure of the product.
- Galvanic Insulation between LED strip and mounting surface must be ensured. This Insulation is needed especially in the area of connections or cut ends.
- In installations of LED strips ESD safety must be taken in account. Adequate precautions during installation and operation for the products are required.

choose one

Country

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operation of the LED strips require a 3LEV LED driver with an electronically stabilized power supply protection against short circuits, overload and overheating.

- To avoid a damage of the LED strip, the unmounted LED strip should be handled and stored only in the original LEDVANCE packaging (wheel / ESD bag). Repacking is not allowed. Cutted IP 6x LED strips can be stored only with mounted endcaps.

DOWNLOADS

Documenten en certificaten	
	User instruction
	Declarations Of Conformity CE
Fotometrische- en lichtontwerpbestanden	
	IES file (IES)
	IES files (IES, additional)
	LDT file (Eulumdat)
	LDT files (Eulumdat, additional)

LOGISTIEKE GEGEVENS

Productcode	Verpakkingseenheid (stuks per verpakking)	Afmetingen (lengte x breedte x hoogte)	Brutogewicht	Volume
4058075236523	Vouwdoos 1	242 mm x 242 mm x 26 mm	271.00 g	1.52 dm ³
4058075236530	Verzenddoos 10	260 mm x 260 mm x 265 mm	3101.00 g	17.91 dm ³
4058075253728	Verzenddoos 40	540 mm x 280 mm x 555 mm	13411.00 g	83.92 dm ³

De genoemde productcodes beschrijven de kleinste hoeveelheid die besteld kan worden. Eén verzendeenheid kan bestaan uit één of meer afzonderlijke producten. Bij het plaatsen van een order enkele of veelvouden van de verpakkingseenheid invoeren.

DISCLAIMER

Onder voorbehoud van verandering zonder kennisgeving. Fouten en drukfouten voorbehouden. Zorg ervoor dat u de meest recente versie gebruikt.

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