

PRODUKTDATABLAD

LS PFM -300/827/5/IP66

LED STRIP PERFORMANCE-300 PROTECTED | High Performance IP66 LED-bånd med 300 lm/m til krævende opgaver



Anvendelsesområder

- Generel indendørs belysning
- Generel udendørs belysning
- Industri
- Kontorer, butikker og konference rum
- Arkitektonisk belysning
- Dekorativ belysning

Produktfordele

- Et væld af design muligheder pga. lange og fleksible LED-bånd
- Nem installation, kræver ingen værktøj
- Nem montering på mange glatte overflader pga. selvklæbende tape
- Velegnet til brug i fugtige omgivelser pga. den høje beskyttelsesklasse
- Maks. fleksibilitet pga. stort udvalg af tilbehør
- Nem tilslutning pga. integrerede kabler på begge sider

Produktegenskaber

- Fleksibel LED-bånd, kan tilskæres
- Mindste klipbare længde: 100 mm
- Levetid (L70/B50): op til 35.000 timer ved T_c max.: 75°C
- Lysstrøm: 300 lm/m
- Farvegengivelsesindeks R_a : > 80
- Farveensartethed i starten: = 4 SDCM



- Mange farvetemperaturer: fra varm hvid til koldt dagslys
- Beskyttelsesklasse: IP66
- Dæmpbar med velegnede drivere, se også www.ledvance.dk/dim
- UV-resistent iht. IEC 60068-2-5
- Salttågeresistent iht. IEC 60068-2-52

TEKNISKE DATA

ELEKTRISKE DATA

Nominel wattforbrug	13,50 W
Wattforbrug	13.50 W
Nominelt watt-tal pr. meter	2.7 W
Nominel spænding	24 V ¹⁾
Input spændingsområde	23...25 V ¹⁾
Omvendt spænding	25 V ¹⁾
Type strøm	Jævnstrøm (DC)
Nominel strømstyrke	562,000 mA

1) V_{DC}

Fotometriske data

Belysningseffektivitet	111,1 lm/W
Lumen	1500 lm
Lysstrøm pr. meter	300 lm
Lysstrøm pr. modulkæde	1500 lm
Farvetemperatur	2700 K
Farvegengivelsesindex	> 80
Lysfarve LED	varm hvid
Farvetemperaturer	Varm hvid
Standard afvigelse af farvetemperaturen	≤4 sdc _m

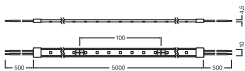
Lystekniske data

Udstrålingsvinkel	105 °
Nominel strålevinkel (halv spids	105.00 °

LED modul information

Antal LED'er pr. meter	70
Antal LED på modul	350
Antal af LED på mindste print	7

DIMENSIONER & VÆGT



Længde	5000,00 mm
LED – smalleste enhed	100 mm
Kabellængde	500.000
Bredde	10,00 mm
Bredde (inkl. runde armaturer)	10.00 mm
Højde	4,50 mm
Højde (inkl. cylinderarmaturer)	4.50 mm
Forfortrådet	Ja
Ledertværsnit	0.5 mm²
LED pitch	14,3 mm
Short pitch	Nej
Produktvægt	285,00 g

FARVER & DRIFTSBETINGELSER

Afdækningsmateriale	Silikone
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TEMPERATURER OG DRIFTSBETINGELSER

Omgivelsestemperatur	-15...+45 °C ¹⁾
Max. tilladt temp. på TC punkt	75 °C ²⁾
Temperatur område i drift	-15...+75 °C ³⁾

- 1) under forudsætning af at TC holdes under Maks værdig under operation.
- 2) Overskridelse af specifikationerne vil medføre forkortelse af levetid eller beskadiget led chips.
- 3) På / T_c punkt

Levetid

Nominel levetid	35000 h
Antal tænd/sluk	100000

EVNER

Dæmpbar	Ja ¹⁾
Laveste bøjningsradius	25 mm

Selvkøbende	Ja
Reverse polarity protection [PIM] REM	op til maksimalt 25 V _{DC}

1) Dæmpbar med velegnede dæmpere, se også [ledvance.com/dim](https://www.ledvance.com/dim)

CERTIFIKATER & STANDARDER

Godkendelses mærker - godkendelse	TUV / RoHS / CE / REACH
Standarder	Acc. til IEC 62471 / Acc. til IEC 60598-1 / Acc. til EN 60529 / Acc. til EN 62031 / Acc. til EN 55015 / Acc. til EN 61547
Beskyttelsestype	IP66
Energiforbrug	14.85 kWh/1000h
Energiklasse	A+
Saltågebeskyttet iht. IEC 60068-2-52	Ja
UV beskyttet iht. IEC 60068 2 5	Ja

LOGISTISKE DATA

Temperatur ved opbevaring	-35...+85 °C
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OBLIGATORISK TILBEHØR

Produktfoto	Produktnavn	EAN
	DR-VAL -120/220-240/24	4058075240131
	DR-PFM -30/220-240/24/P	4058075239890
	DR DIM-PFM -60/220-240/24/P	4058075240018
	DR DIM-PFM -60/220-240/24/P	4058075379190
	DR-PFM -250/220-240/24/P	4058075240032

Produktfoto	Produktnavn	EAN
	DR-PFM -60/220-240/24/P	4058075239913
	DR DIM-PFM -250/220-240/24/P	4058075240155
	DR DIM-PFM -100/220-240/24/P	4058075240070
	DR DIM-PFM -20/220-240/24/P	4058075239951
	DR-VAL -60/220-240/24	4058075240094
	DR-VAL -150/220-240/24	4058075240179
	DR DIM-PFM -40/220-240/24/P	4058075239999
	DR DIM-PFM -40/220-240/24/P	4058075379176
	DR DIM-PFM -150/220-240/24/P	4058075240117
	DR-PFM -150/220-240/24/P	4058075239975
	DR-VAL -30/220-240/24	4058075240056

Produktfoto	Produktnavn	EAN
	DR-PFM -100/220-240/24/P	4058075239937

VALGFRIT TILBEHØR

Produktfoto	Produktnavn	EAN
	LS AY PFM -CSW/P2/50/P	4058075273245
	LS AY -PW03/U/26X26/14/1	4058075278165
	LS AY -PW01/U/26X8/14/2	4058075401440
	LS AY -PM05/U/17,5X14,5/10/2	4058075401778
	LS AY -PM04/UW/23X15,5/10/1	4058075278400
	LS AY -PM06/E/18X18/12/1	4058075279308
	LS AY -PW02/UW/39X26/14/2	4058075401471
	LS AY -PW03/U/26X26/14/2	4058075401501
	LS AY PFM -10/SE/P SIL-SEAL	4058075275744

Produktfoto	Produktnavn	EAN
	LS AY -PM05/U/17,5X14,5/10/1	4058075279278
	LS AY PFM -CP/P2/500/P	4058075272958
	LS AY -PM04/UW/23X15,5/10/2	4058075401747
	LS AY PFM -10/SMB	4058075275676
	LS AY -PM06/E/18X18/12/2	4058075401808
	LS AY -PW01/U/26X8/14/1	4058075278103
	LS AY -PW02/UW/39X26/14/1	4058075278134
	LS AY PFM -CSD/P2/P	4058075275485

UDSTYR/TILBEHØR

- Konnektorer, profiler og afskærmning til mange forskellige monteringsmuligheder
- Endestykker skal bestilles separat

Sikkerhedsanvisninger

- Alle elektriske tilslutninger skal udføres af en kvalificeret person.

YDERLIGERE PRODUKTINFORMATION

- 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.
- LED strip can be operated only by a SELV LED driver, which comply with the applicable lighting standards and fits to LED strips rating. A safety operation of the LED strips require a SELV 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

Documenter og certifikater		Dokument navn
	Brugervejledning / sikkerhedsinstruktioner	LED STRIP PERFORMANCE IP66
	Overensstemmelseserklæringer	EU Declaration of conformity 3563397 LS PFM
Fotometriske- og lysdesign filer		Dokument navn
	IES fil (IES)	LS PFM-300-827-5-IP66
	IES filer (IES, yderligere)	LS PFM-300-827-5-IP66-0.1M

Fotometriske- og lysdesign filer		Dokument navn
	LDT fil (Eulumdat)	LS PFM-300-827-5-IP66
	LDT-filer (Eulumdat, mm)	LS PFM-300-827-5-IP66-0.1M

LOGISTISKE DATA

Produktkode	Pakningsstørrelse (antal/enhed)	Dimensioner (længde x bredde x højde)	Bruttovægt	Volumen
4058075236622	Folding box 1	262 mm x 262 mm x 30 mm	525.00 g	2.06 dm³
4058075236639	Shipping box 10	300 mm x 280 mm x 285 mm	5721.00 g	23.94 dm³
4058075253551	Shipping box 20	585 mm x 320 mm x 310 mm	13100.00 g	58.03 dm³

Den nævnte produktkode beskriver mindste ordremængde, der kan bestilles. En leveringsenhed kan indholde et eller flere enkelte produkter. Ved ordreafgivelse bestiller man én eller flere leveringsenheder.

ANSVARSFRAKRIVELSE

Ret til ændringer uden varsel. Fejl og undladelser undtaget. Sørg altid for at bruge den seneste udgivelse.