

PRODUKTDATABLAD

LS PFM -300/865/5

LED STRIP PERFORMANCE COB -1000 | High Performance COB LED-bånd med 1000 lm/m til krævende opgaver



Anvendelsesområder

- Generel indendørs 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
- Maks. fleksibilitet pga. stort udvalg af tilbehør
- Nem tilslutning pga. integrerede kabler på begge sider

Produktegenskaber

- Flexibel 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
- Dæmpbar med velegnede drivere, se også www.ledvance.dk/dim



TEKNISKE DATA

ELEKTRISKE DATA

Nominel wattforbrug	13,50 W
Wattforbrug	13.50 W
Nominel 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	129,6 lm/W
Lumen	1750 lm
Lysstrøm pr. meter	350 lm
Lysstrøm pr. modulkæde	1750 lm
Farvetemperatur	6500 K
Farvegengivelsesindex	> 80
Lysfarve LED	dagslys
Farvetemperaturer	Koldt dagslys
Standard afvigelse af farvetemperaturen	≤4 sdc _m

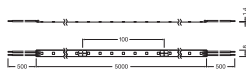
Lystekniske data

Udstrålingsvinkel	120 °
Nominel strålevinkel (halv spids)	120.00 °

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	8,00 mm
Bredde (inkl. runde armaturer)	8.00 mm
Højde	1,40 mm
Højde (inkl. cylinderarmaturer)	1.40 mm
Forfortrådet	Ja
Ledertværsnit	0.5 mm ²
LED pitch	14,3 mm
Short pitch	Nej
Produktvægt	80,00 g

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

1) Dæmpbar med velegnede dæmpere, se også 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	IP00
Energiforbrug	14.85 kWh/1000h
Energiklasse	A+
Salttågebeskyttet iht. IEC 60068-2-52	Nej
UV beskyttet iht. IEC 60068 2 5	Nej

LOGISTISKE DATA











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

Produktfoto	Produktnavn	EAN
	DR-PFM -150/220-240/24/P	4058075239975
	DR-PFM -250/220-240/24/P	4058075240032
	DR DIM-PFM -250/220-240/24/P	4058075240155
	DR DIM-PFM -40/220-240/24/P	4058075239999
	DR DIM-PFM -40/220-240/24/P	4058075379176
	DR-PFM -30/220-240/24/P	4058075239890

Produktfoto	Produktnavn	EAN
	DR DIM-PFM -150/220-240/24/P	4058075240117
	DR-VAL -60/220-240/24	4058075240094
	DR-PFM -60/220-240/24/P	4058075239913
	DR-VAL -120/220-240/24	4058075240131
	DR DIM-PFM -20/220-240/24/P	4058075239951
	DR DIM-PFM -60/220-240/24/P	4058075240018
	DR DIM-PFM -60/220-240/24/P	4058075379190
	DR-PFM -100/220-240/24/P	4058075239937
	DR-VAL -150/220-240/24	4058075240179
	DR-VAL -30/220-240/24	4058075240056
	DR DIM-PFM -100/220-240/24/P	4058075240070

VALGFRIT TILBEHØR

Produktfoto	Produkt navn	EAN
	LS AY -PF01/UW/22X6/10/2	4058075401532
	LS AY -PW03/U/26X26/14/1	4058075278165
	LS AY -PM04/UW/23X15,5/10/2	4058075401747
	LS AY PFM -CSW/P2/50	4058075272231
	LS AY -PM01/UW/21,5X12/10/2	4058075401655
	LS AY -PF03/UW/25X7/12/2	4058075401594
	LS AY -PF01/UW/22X6/10/1	4058075278196
	LS AY -PM05/U/17,5X14,5/10/1	4058075279278
	LS AY -PM03/E/19X19/10/1	4058075278370
	LS AY -PM03/E/19X19/10/2	4058075401716

Produktfoto	Produktnavn	EAN
	LS AY -PW01/U/26X8/14/1	4058075278103
	LS AY -PF04/U/17X7/12/2	4058075401624
	LS AY -PF03/UW/25X7/12/1	4058075278257
	LS AY -PW02/UW/39X26/14/2	4058075401471
	LS AY -PM05/U/17,5X14,5/10/2	4058075401778
	LS AY PFM -CSD/P2	4058075275393
	LS AY -PM06/E/18X18/12/1	4058075279308
	LS AY PFM -8/SMB	4058075275645
	LS AY -PM02/R/18X15,5/10/2	4058075401686
	LS AY PFM -CP/P2/500	4058075272200
	LS AY -PF04/U/17X7/12/1	4058075278288

Produktfoto	Produktnavn	EAN
	LS AY -PW03/U/26X26/14/2	4058075401501
	LS AY -PF02/U/16X5/10/1	4058075278226
	LS AY -PM06/E/18X18/12/2	4058075401808
	LS AY -PW01/U/26X8/14/2	4058075401440
	LS AY -PF02/U/16X5/10/2	4058075401563
	LS AY -PW02/UW/39X26/14/1	4058075278134
	LS AY -PM04/UW/23X15,5/10/1	4058075278400
	LS AY -PM01/UW/21,5X12/10/1	4058075278318
	LS AY -PM02/R/18X15,5/10/1	4058075278349

UDSTYR/TILBEHØR

– Konnektorer, profiler og afskærmning til mange forskellige monteringsmuligheder




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
	User Instruction / Safety Instructions	LED STRIP PERFORMANCE IP00
	Declarations of conformity	EU Declaration of conformity 3563397 LS PFM
Fotometriske- og lysdesign filer		Dokument navn
	IES file (IES)	LS PFM-300-865-5

Fotometriske- og lysdesign filer	Dokument navn
 IES files (IES, additional)	LS PFM-300-865-5-0.1M
 LDT file (Eulumdat)	LS PFM-300-865-5
 LDT files (Eulumdat, additional)	LS PFM-300-865-5-0.1M

LOGISTISKE DATA

Produktkode	Pakningsstørrelse (antal/enhed)	Dimensioner (længde x bredde x højde)	Bruttovægt	Volumen
4058075236585	Folding box 1	242 mm x 242 mm x 26 mm	271.00 g	1.52 dm ³
4058075236592	Shipping box 10	260 mm x 260 mm x 265 mm	3101.00 g	17.91 dm ³
4058075253759	Shipping box 40	540 mm x 280 mm x 555 mm	13411.00 g	83.92 dm ³

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.

ANSVARSRASKRIVELSE

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