



# PRODUKTDATABLAD

## LS SUP -800/940/5/IP67

LED STRIP SUPERIOR-800 PROTECTED | IP67 LED-bånd med 800 lm/m til professionel brug med meget god farvegengivelse og levetid



### 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

- Flexibel LED-bånd, kan tilskæres
- Mindste klipbare enhed: 50 mm
- Levetid (L80/B10): op til 60.000 timer ved  $T_p$ : 45°C
- Lysstrøm: 800 lm/m
- Meget højt farvegengivelsesindeks  $R_a$ : >90
- Farveensartethed i starten: = 3 SDCM



- Mange farvetemperaturer: fra varm hvid til koldt dagslys
- Overholder IESNA LM 79, LM80
- Beskyttelsesklasse: IP67
- Dæmpbar med velegnede drivere, se også [www.ledvance.dk/dim](http://www.ledvance.dk/dim)
- UV-resistent iht. IEC 60068-2-5
- Saltågeresistent iht. IEC 60068-2-52

## TEKNISKE DATA

## ELEKTRISKE DATA

Nominel wattforbrug	44,00 W
Wattforbrug	44.00 W
Nominel watt-tal pr. meter	8,8 W
Nominel spænding	24 V <sup>1)</sup>
Input spændingsområde	23...25 V <sup>1)</sup>
Omvendt spænding	25 V <sup>1)</sup>
Type strøm	Jævnstrøm (DC)
Nominel strømstyrke	1980,000 mA

1)  $V_{DC}$ 

## Fotometriske data

Belysningseffektivitet	91 lm/W
Lumen	4000 lm
Lysstrøm pr. meter	800 lm
Lysstrøm pr. modulkæde	4000 lm
Farvetemperatur	4000 K
Farvegengivelsesindex	> 90
Lysfarve LED	Kold hvid
Farvetemperaturer	Koldt hvidt
Standard afvigelse af farvetemperaturen	≤3 sdc <sub>m</sub>

## Lystekniske data

Udstrålingsvinkel	120 °
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## LED modul information

Antal LED'er pr. meter	140
Antal LED på modul	700
Antal af LED på mindste print	7

## DIMENSIONER &amp; VÆGT



Længde	5000,00 mm
LED – smalleste enhed	50,0 mm
Kabellængde	500.000
Bredde	13,00 mm
Bredde (inkl. runde armaturer)	13.00 mm
Højde	3,70 mm
Højde (inkl. cylinderarmaturer)	3.70 mm
Forfortrådet	Ja
Ledertværsnit	0.5 mm <sup>2</sup>
LED pitch	7,14 mm
Short pitch	Ja
Produktvægt	265,00 g

#### FARVER & DRIFTSBETINGELSER

Afdækningsmateriale	Silikone
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#### TEMPERATURER OG DRIFTSBETINGELSER

Omgivelsestemperatur	-20...+50 °C <sup>1)</sup>
Max. tilladt temp. på TC punkt	70 °C <sup>2)</sup>
Temperatur område i drift	-20...+70 °C <sup>3)</sup>
Ydeevne temperatur jf. IEC 62717	45 °C

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<sub>c</sub> punkt

#### Levetid

Nominel levetid	60000 h
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#### EVNER

Dæmpbar	Ja <sup>1)</sup>
Laveste bøjningsradius	50 mm
Selvkøbende	Ja
Reverse polarity protection [PIM] REM	op til maksimalt 25 V <sub>DC</sub>

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







CERTIFIKATER & STANDARDER







Godkendelses mærker - godkendelse	ENEC 25 / TUV / RoHS / CE / REACH
Standarder	Acc. til IEC 62031 / Iht. IEC 62493 / Iht. IEC TR 62778 / Iht. EN 50581 / Acc. til EN 62031
Beskyttelsestype	IP67
Energiforbrug	48.40 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 -150/220-240/24	4058075240179
	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 DIM-PFM -100/220-240/24/P	4058075240070
	DR-VAL -120/220-240/24	4058075240131

Produktfoto	Produktnavn	EAN
	DR DIM-PFM -150/220-240/24/P	4058075240117
	DR DIM-PFM -250/220-240/24/P	4058075240155
	DR-PFM -60/220-240/24/P	4058075239913
	DR-PFM -250/220-240/24/P	4058075240032
	DR-PFM -150/220-240/24/P	4058075239975
	DR-VAL -60/220-240/24	4058075240094

VALGFRIT TILBEHØR

Produktfoto	Produktnavn	EAN
	LS AY -PW03/U/26X26/14/1	4058075278165
	LS AY -PW01/U/26X8/14/2	4058075401440
	LS AY SUP -SE/P + SILICONE SEAL	4058075304659
	LS AY -PW03/U/26X26/14/2	4058075401501

Produktfoto	Produkt navn	EAN
	LS AY SUP -PFS01/16X10/13/0,015	4058075304710
	LS AY -PW02/UW/39X26/14/1	4058075278134
	LS AY -PW01/U/26X8/14/1	4058075278103
	LS AY SUP -SEF	4058075304680
	LS AY -PW02/UW/39X26/14/2	4058075401471
	LS AY SUP -PF01/U/16X10/13/1	4058075304741

### UDSTYR/TILBEHØR




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

### 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 (H<sub>2</sub>S) 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 Tc 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 SUPERIOR IP67
	Declarations of conformity	EU Declaration of Conformity 3956203 LS SUP
Fotometriske- og lysdesign filer		Dokument navn
	LDT file (Eulumdat)	LS SUP-800-940-5-IP67

## LOGISTISKE DATA

Produktkode	Pakningsstørrelse (antal/enhed)	Dimensioner (længde x bredde x højde)	Bruttovægt	Volumen
4058075237407	Folding box 1	336 mm x 30 mm x 334 mm	346.00 g	3.37 dm <sup>3</sup>
4058075237414	Shipping box 10	343 mm x 333 mm x 345 mm	3783.00 g	39.41 dm <sup>3</sup>
4058075258853	Shipping box 20	700 mm x 347 mm x 363 mm	8835.00 g	88.17 dm <sup>3</sup>

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

## ANSVARFRASKRIVELSE

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



