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FICHE PRODUIT

LS VAL -600/865/5

LED STRIP VALUE-600 | Rubans LED - 600 lm/m pour les applications générales

□

Zones d'application

- Eclairage intérieur général
- Éclairage décoratif
- Espaces de vie privés

Avantages du produit

- Vastes possibilités de conception grâce aux bandeaux LED longs et flexibles
- Montage facile sur de nombreuses surfaces lisses grâce à une bande autocollante
- Flexibilité maximale grâce à une large gamme d'accessoires
- Connexion simple grâce aux câbles intégrés de chaque côté

Caractéristiques du produit

- Bande de LED flexible et sécable
- Plus petite unité de coupe : 100 mm
- Durée de vie (L70/B50) : jusqu'à 20 000 h à Tc max .: 65 ° C
- Flux lumineux: 600 lm / m
- Indice de rendu des couleurs R_a: > 80
- Disponible en température de couleur blanc chaud, blanc, lumière du jour
- Gradation avec convertisseurs appropriés, voir aussi [Hyperlink target = "http://www.ledvance.fr/dim"](http://www.ledvance.fr/dim) www.ledvance.fr/dim / [Hyperlink](#)

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DONNEES TECHNIQUES

DONNÉES ÉLECTRIQUES

Puissance nominale	27.00 W
Puissance nominale par mètre	5,5 W ¹⁾
Tension nominale	24 V ²⁾
Plage de tension	23...25 V ²⁾
Tension inverse	25 V ²⁾
Type de courant	Courant direct (DC)
Intensité nominale	1042,000 mA

1) Valeur mesurée sur le premier mètre du produit
2) V_{DC}

Données photométriques

Total des flux lumineux utiles [PICOS]	580 lm
Efficacité lumineuse	105 lm/W ¹⁾
Flux lumineux	2533 lm
Flux lumineux par mètre	580 lm ¹⁾
Flux lumineux par chaîne de modules	2533 lm
Temp. de couleur	6500 K
Ra Indice de rendu des couleurs	> 80
Couleur de la LED	lumière du jour
Teinte de couleur (désignation)	Lumière du jour froide
Ecart-type de correspondance de couleur	≤6 sdcm

1) Valeur mesurée sur le premier mètre du produit

Données techniques légères

Angle de rayonnement	120 °
Angle de faisceau évalué	115.00 °

LED MODULE INFORMATION

Nombre de LED par mètre	60
Nombre de LED par module	300
Nombre de LED par composant	6

DIMENSIONS ET POIDS

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Longueur	5000.00 mm
Longueur – composant seul	100 mm
Longueur de câble	500.000
Largeur	8.00 mm
Largeur (y compris les luminaires ronds)	8.00 mm
Hauteur	1.30 mm
Hauteur (luminaires cycliques inclus)	1.30 mm
Précâblé	Oui
Section du conducteur	0.5 mm²
LED pitch	16,67 mm
Short pitch	Non
Poids du produit	64,00 g

TEMPÉRATURES ET CONDITIONS DE FONCTIONNEMENT

Plage de température ambiante	-20...+40 °C ¹⁾
Température maximale au point de test	65 °C ²⁾
Plage de température au point Tc	-20...+65 °C ³⁾

- 1) À condition que la température au point Tc soit inférieure à la valeur maximale pendant le fonctionnement
2) Le dépassement des valeurs nominales maximales spécifiées peut réduire la durée de vie ou détruire la bande LED.
3) Au point T_c

Durée de vie

Durée de vie nominale	20000 h
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CAPACITÉS

Gradable	Oui ¹⁾
Plus petit rayon de courbure	30 mm
Auto-adhésif	Oui
Reverse polarity protection [PIM] REM	Jusqu'à 25 V maximum _{CC}

1) Gradable avec les convertisseurs appropriés, voir aussi www.ledvance.fr/dim

CERTIFICATS ET NORMES

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Normes	Conformément à IEC 62471 / Conformément à IEC 60598-1 / Conformément à EN 60529 / Conformément à EN 62031 / Conformément à EN 55015 / Conformément à EN 61547
Type de protection	IP00
Consommation d'énergie	6.05 kWh/1000h ¹⁾
Classe d'énergie efficace	A+
Résistance aux embruns - CEI 60068-2-52	Non
Résistance aux UV selon CEI 60068 2 5	Non

1) Valeur mesurée sur le premier mètre du produit

DONNÉES LOGISTIQUES

Plage de température de stockage	-20...+85 °C
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INFORMATIONS SUPPLÉMENTAIRES SUR LE PRODUIT

- 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 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.

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TÉLÉCHARGEMENTS

Documents and certificates	
☐	User instruction
☐	Declarations Of Conformity CE
Photometric and lighting design files	
☐	IES file (IES)
☐	IES files (IES, additional)
☐	LDT file (Eulumdat)
☐	LDT files (Eulumdat, additional)
☐	LDC typ polar

DONNÉES LOGISTIQUES

Code produit	Unité d'emballage (Pièces/Unité)	Dimensions (longueur x largeur x hauteur)	Poids approximatif	Volume
4058075296992	Etui carton fermé 1	242 mm x 242 mm x 26 mm	255.00 g	1.52 dm ³
4058075297005	Carton de regroupement 10	260 mm x 260 mm x 265 mm	2941.00 g	17.91 dm ³
4058075297012	Shipping box 40	540 mm x 280 mm x 555 mm	12771.00 g	83.92 dm ³

Le code produit mentionné décrit la petite quantité d'unité qui peut être commandée. Une unité peut contenir un ou plusieurs produits. Lorsque vous passez la commande, merci de bien vouloir entrer une unité ou un multiple d'une unité.

AVERTISSEMENT

Sous réserve de modifications. Sauf erreur ou omission. Veuillez à toujours utiliser la version la plus récente.

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