

FICHE PRODUIT

OT 50/120...277/800 2DIMLT2 P

OT 2DIM IP64 Outdoor | 0...10 V, AstroDIM – Convertisseurs LED à courant constant



Zones d'application

- Street and urban lighting
- Industry
- Suitable for luminaires of protection classes I and II

Avantages du produit

- 2DIM functionality in one device (AstroDIM, 0...10 V)
- High surge protection: up to 6 kV (in protection class I or II)
- Fast programming without mains voltage
- High efficiency
- Great flexibility due to wide operating temperature range of -40...55 °C
- Protection through double isolation between mains input and LED output
- IP rating: IP64

Caractéristiques du produit

- Available with different wattage: 50 W, 100 W, 110 W
- Input voltage: 120...277 V
- Available with output current range: up to 1,400 mA
- Flexible current setting with one additional wire (LEDset2)
- AstroDIM for autonomous dimming with five independent levels (astro mode)
- Isolated 0...10 V interface for unidirectional telemanagement systems
- Constant Lumen Output (CLO)

- Overtemperature protection with external NTC or LEDset2 interface

DONNÉES TECHNIQUES

DONNÉES ÉLECTRIQUES

Puissance nominale	50,00 W
Puissance de sortie	50 W ¹⁾
Tension nominale	120...277 V
Tension de sortie	30...115 V
Tension à l'entrée	108...305 V ²⁾
Tension admissible	Non pertinent
U-OUT	120 V
Intensité nominale	0 A ³⁾
Intensité de sortie	350...800 mA
Courant d'appel	30 A ⁴⁾
Tolérance sur le courant de sortie	±5 % ⁵⁾
Output ripple current (100 Hz)	30 %
Fréquence du réseau	50/60 Hz
Distorison hamonique totale	15 % ⁶⁾
Facteur de puissance λ	0,95 ⁷⁾
Efficacité du BE	86 % ⁸⁾
Puissance dissipée	10 W ⁹⁾
Nbre max. de BE sur disjoncteur 10 A (B)	11 ¹⁰⁾
Nbre max. de BE sur disjoncteur 16 A (B)	17 ¹⁰⁾
Nbre max. de BE sur disjoncteur 25 A (B)	28 ¹⁰⁾
Tension max. entre Phase/Neutre et Terre	6 kV ¹¹⁾
Tension maximum entre Phase/Neutre	6 kV ¹²⁾
Isolation galvanisée	SELV

1) Charge partielle 11...50 W / Non gradé

2) Plage de tension autorisée

3) 0,50 A pour 120 V_{CA} / A 230 V

4) $t_{width} = 250 \mu s$ (mesuré à 50 % I_{peak})

5) Dans la plage de courant de sortie nominal

6) Puissance de sortie maximale de 230 V V_{AC}

7) Charge minimale/pleine à 230 V/demi-charge à 230 V

8) A pleine charge, courant de défaut et 230 V

9) Maximum

10) Type B

11) EQUI @ 12 Ohm selon. selon EN 61547

12) @ 2 ohms, selon. à EN61547

Données photométriques

Indice du papillotement (PstLM)	≤1
Indice de l'effet stroboscopique (SVM)	≤0.4

DIMENSIONS ET POIDS

Longueur	168.00 mm
Entraxe de fixation, longueur	152,0 mm
Largeur	50.00 mm
Largeur (y compris les luminaires ronds)	50.00 mm
Hauteur	30.00 mm
Hauteur (luminaires cycliques inclus)	30.00 mm
Diamètre	Non pertinent
Poids du produit	490,00 g

COULEURS ET MATÉRIAUX

Matériau du boîtier	Métal
Matériau de corps	Métal

TEMPÉRATURES ET CONDITIONS DE FONCTIONNEMENT

Plage de température ambiante	-40...+55 °C ¹⁾
Température maximale au point de test	85 °C ²⁾
Temp. max. admissible en cas d'anomalie	120 °C
Humidité relative	5...85 % ³⁾

¹⁾ T_a(max)=50°C pour un courant de 120/277V_{AC}

²⁾ Maximum au point T_c

³⁾ Pas de condensation, taux d'humidité absolu: 36g/m³

Durée de vie

Vie ECG	80000 h ¹⁾
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¹⁾ A t_{case} = 75 °C au point T_c / taux de défaillance de 10 %

DONNÉES SUPPLÉMENTAIRES SUR LE PRODUIT

Notes bas de page util. uniquem. produit	Pas d'allumage/extinction possible des lampes via l'interface 0...10 V
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CAPACITÉS

Dimmable	Oui
Gradateur	2DIM / 1...10 V / AstroDIM
Plage de gradation	30...100 %
protection contre la surchauffe	Oui
Protection contre la surcharge	Automatique et réversible

Charge à vide	Oui
Protection contre les courts-circuits	Oui
Longueur max. entre ballast et lampe REM	10 m
Pour appareil avec classe de protec	I / II

CERTIFICATS ET NORMES

Labels et agréments	CE / ENEC 15 / UR / CQC
Normes	Conformément à EN 61347-1 / Conformément à EN 61347-2-13 / Conformément à EN 62384 / Conformément à EN 55015:2006 + A1:2007 + A2:2009 / Conformément à EN 61547 / Conformément à FCC 47 part 15 class A / Conformément à IEC 61000-3-2 / Conformément à IEC 61000-3-3 / UL-8750
Classe de protection	II
Type de protection	IP64

DONNÉES LOGISTIQUES

Plage de température de stockage	-25...80 °C
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ÉQUIPEMENT / ACCESSOIRES

- OT Programmer hardware for configuration of 2DIM ECGs necessary
- Programmable via Tuner4TRONIC software

INFORMATIONS SUPPLÉMENTAIRES SUR LE PRODUIT

- 800 mA type: Default output current is 700 mA without any resistor connected to the LEDset port.
- 1250 mA type: Default output current is 1000 mA without any resistor connected to the LEDset port.
- 1400 mA type: Default output current is 1000 mA without any resistor connected to the LEDset port.
- The LEDset2 interface is disabled by default and needs to be activated by the programming software. In this case the LEDset2 interface is activated the external thermal protection feature is disabled.
- The driver withstands an input voltage of up to 350 Vac for a maximum of two hours.
- The driver may shut down the load if the input voltage of the load is below the allowed minimum output voltage until the short circuit is removed or the correct load is connected and a power off/on cycle is performed.
- In case the input voltage of the load exceeds the output voltage range of the driver, it automatically reduces the output current to keep the output voltage controlled to the maximum allowed output voltage.
- The driver automatically reduces the output current in case the maximum allowed output power is exceeded, as long as the input voltage of the load is within the declared output voltage range of the driver. In all other cases the driver may shut down the load.
- The driver may shut down in case no load is connected to the driver output until the correct load is connected and a power off/on cycle is performed. Hot-plug of the load or external switching on the secondary side is not allowed.
- The EQUI (housing) shall be connected to the heat sink of the LED module to improve the surge withstand capability of the system and EMI in critical luminaires.
- By default the LEDset / NTCset / Prog+ port is set as NTCset port in resistor based mode with following values: start derating: 6.3 kOhm, end derating 5.0 kOhm, derating level 50 %.
- The default dimming mode is 0...10 V, AstroDIM-PD is disabled.- 0...10 V: 30 % minimum dimming level
- The constant lumen feature is disabled by default.
- If any output level is below the physical min level, the physical min level will be used.
- Dimming down to 14 % of the maximum rated output current could be enabled through the programming software, but the compliance with EN 61000-3-2 must be checked below 30 %.
- The driver is intended for built-in use. The luminaire manufacturer is responsible to prevent direct exposure for example to sunlight, water, snow, ice.
- Time to reach the set output current upon start-up is less than 4 s.
- Programming of the driver via Prog+ and Prog- is only allowed without powering it via L/N.

- For further details please consult the 2DIMLT2 application guide.
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TÉLÉCHARGEMENTS

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	User instruction
	Certificates
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	Declarations of conformity
	Declarations of conformity
	Declarations of conformity
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	Declarations of conformity
	Advertisements
	Advertisements

DONNÉES LOGISTIQUES

Code produit	Unité d'emballage (Pièces/Unité)	Dimensions (longueur x largeur x hauteur)	Poids approximatif	Volume
4052899173781	Sans emballage individuel 1		490.00 g	
4052899173798	Carton de regroupement 20	368 mm x 338 mm x 85 mm	10492.00 g	10.57 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.