

FICHA TÉCNICA DEL PRODUCTO OT 50/120...277/800 2DIMLT2 P

OT 2DIM IP64 Outdoor | 0...10 V, AstroDIM – Drivers LED de corriente constante



Áreas de aplicación

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

Beneficios del producto

- 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

Características del producto

- 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

INFORMACIÓN TÉCNICA

DATOS ELÉCTRICOS

Potencia nominal	50,00 W
Potencia de salida	50 W ¹⁾
Tensión nominal	120...277 V
Tensión de salida	30...115 V
Tensión de entrada	108...305 V ²⁾
U-OUT	120 V
Corriente nominal	0 A ³⁾
Corriente de salida	350...800 mA
Corriente de encendido IP	30 A ⁴⁾
Corriente de salida tolerancia	±5 % ⁵⁾
Flujos de corrientes de rizado (100 Hz)	30 %
Frecuencia de red	50/60 Hz
Distorsión armónica total	15 % ⁶⁾
Factor de potencia λ	0,95 ⁷⁾
Eficiencia ECE	86 % ⁸⁾
Pérdida de potencia del equipo	10 W ⁹⁾
Nº de ECE máximos con automático 10 A (B)	11 ¹⁰⁾
Nº de ECE máximos con automático 16 A (B)	17 ¹⁰⁾
Nº de ECE máximos con automático 25 A (B)	28 ¹⁰⁾
Resis. a la sobretensión (L/N-tierra)	6 kV ¹¹⁾
Tensión de aislamiento (L-N)	6 kV ¹²⁾
Aislamiento galvánico	SELV

1) Carga parcial 11...50 W / No atenuado

2) Margen de tensión permitida

3) 0,50 A para 120 V_{AC} / A 230 V

4) Anchura = 250 µs (medido con una inclinación del 50%)

5) Dentro del rango de corriente de salida nominal

6) Potencia máxima de salida a 230 V_{AC}

7) Mínimo/Carga completa a 230 V/Media carga a 230 V

8) A plena carga, corriente por defecto y 230 V

9) Máximo

10) Tipo B

11) EQUI @ 12 Ohm según EN 61547

12) @ 2 Ohm, según EN61547

Datos fotométricos

The server returned a "500 Internal Server Error".

Something is broken. Please let us know what you were doing when this error occurred. We will fix it as soon as possible. Sorry for any inconvenience caused.

Valor del efecto del estroboscópico SVM	≤0.4
---	------

DIMENSIONES Y PESO

Largo	168.00 mm
Distancia entre taladros longitud	152,0 mm
Ancho	50.00 mm
Ancho (incl. Luminarias redondas)	50.00 mm
Alto	30.00 mm
Altura (luminarias incluidas)	30.00 mm
Peso del producto	490,00 g

COLORES Y MATERIALES

Material de la carcasa	Metal
Material del cuerpo	Metal

TEMPERATURAS Y CONDICIONES DE FUNCIONAMIENTO

Margen de temperatura ambiente	-40...+55 °C ¹⁾
Temp. máx. en el punto de prueba tc	85 °C ²⁾
Temp. máx de la carcasa en caso de fallo	120 °C
Humedad rel. permitida durante el func.	5...85 % ³⁾

1) T_a(máx)=50< nbs/>°C para tensión de entrada 120/277V_{AC}
2) Máximo en el Punto Tc
3) Sin condensación, humedad absoluta: 36g/m³

Vida media

ECE vida útil	80000 h ¹⁾
---------------	-----------------------

1) En tcase = 75°C a tc punto / 10 % índice de fallos

DATOS ADICIONALES DEL PRODUCTO

Pie de pág. usado solo para el producto	No es posible el encendido/apagado de las lámparas a través de la interfaz de 0...10 V
---	--

PRESTACIONES

Regulable	Sí
Interfaz DIM	2DIM / 1...10 V / AstroDIM
Margen de regulación	30...100 %
Protección contra sobrecalentamiento	Sí
Protección contra sobrecarga	Automático reversible
Prueba de no carga	Sí

choose one Professional ▾

Country Deutsch ▾
[myLEDVANCE](#)

The server returned a "500 Internal Server Error".

Something is broken. Please let us know what you were doing when this error occurred. We will fix it as soon as possible. Sorry for any inconvenience caused.

Longitud cableado máx. ECE/lámpara REM	10 m
Apto para luminarias con clase de prot.	I / II

CERTIFICADOS Y ESTÁNDARES

Símbolos de homologación	CE / ENEC 15 / UR / CQC
Normas	Según EN 61347-1 / Según EN 61347-2-13 / Según EN 62384 / Según EN 55015:2006 + A1:2007 + A2:2009 / Según EN 61547 / Según FCC 47 parte 15 clase A / Según IEC 61000-3-2 / Según IEC 61000-3-3 / UL-8750
Clase de protección	II
Tipo de protección	IP64

DATOS LOGÍSTICOS

Temperatura de almacenamiento	-25...80 °C
-------------------------------	-------------

EQUIPMENT / ACCESSORIES

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

INFORMACIÓN ADICIONAL DEL PRODUCTO

- 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.
- 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.

DESCARGAS

Documentos y certificados	
	User instruction
	Declarations Of Conformity CE
	Certificates

DATOS LOGÍSTICOS

Código de producto	Cantidad por caja (unidad/master)	Dimensiones (longitud x largo x altura)	Peso bruto	Volumen
4052899173781	Sin embalaje 1		490.00 g	
4052899173798	Embalaje de envío 20	368 mm x 338 mm x 85 mm	10492.00 g	10.57 dm ³

El código de producto mencionado describe la cantidad mínima de unidades que puede ser comprada. Una unidad de transporte puede contener uno o más productos individuales. Cuando se realiza la compra, para las cantidades por favor ingrese una o varias unidades de envío.

DESCARGO DE RESPONSABILIDAD

Sujeto a cambio sin aviso. Errores y omisiones exceptuadas. Asegurese de utilizar la versión más reciente.