OT 240/ 220-240/1A0 2DIM P7

OPTOTRONIC - 2DIM NFC IP67 | 2DIM, NFC – constant current LED drivers

Características del producto

- Funcionalidad 2DIM (AstroDIM, 1...10 V)
- Wide output current range
- Adjustable and Constant Lumen Output (CLO)
- Protección contra cortocircuitos, sobrecargas y sobrecalentamientos
- 1...10 V dimming (minimum 10%)

Beneficios del producto

- Easily programmable by NFC (AstroDIM / Constant lumen)
- Elevada protección de sobretensión: hasta 10 kV
- Lifetime: up to 100,000 h

Áreas de aplicación

- Iluminación de calles y urbana
- Industry lighting
- Apto para luminarias con clase de protección I

Datos técnicos

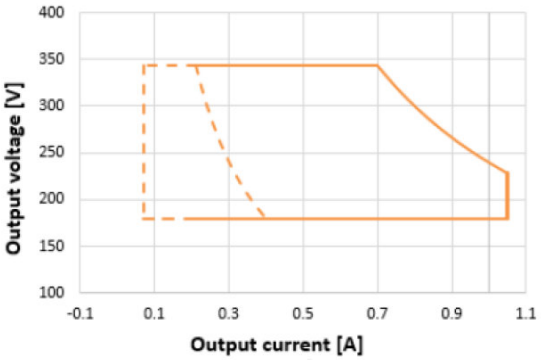
Datos eléctricos

Tensión nominal	220…240 V
Tensión de entrada	198…264 V
Corriente nominal	1,15 A
Frecuencia de red	50…60 Hz
Factor de potencia λ	≥ 0,95
Distorsión armónica total	< 10 % [1)]
Pérdida de potencia del equipo	17 W
Corriente de encendido IP	139 A [2)]
Nº de ECE máximos con automátic 10 A (B)	3
Nº de ECE máximos con automátic 16 A (B)	5
Nº de ECE máximos con automátic 25 A (B)	7
Resis. a la sobretensión (L/N-tierra)	10 kV
Tensión de aislamiento (L-N)	6 kV
Potencia de salida	120…240 W
Potencia de salida máxima	240 W
Efficiency in full-load	93.5 % [3)]
Corriente de salida	700…1050 mA
Default output current	700 mA
Corriente de salida tolerancia	±5 %
Corriente de salida rizada (100 Hz)	< ±5 %
Corriente de salida mínima	400 mA
Aislamiento galvánico	basic
Tensión de salida	228…343 V
U-OUT	450 V

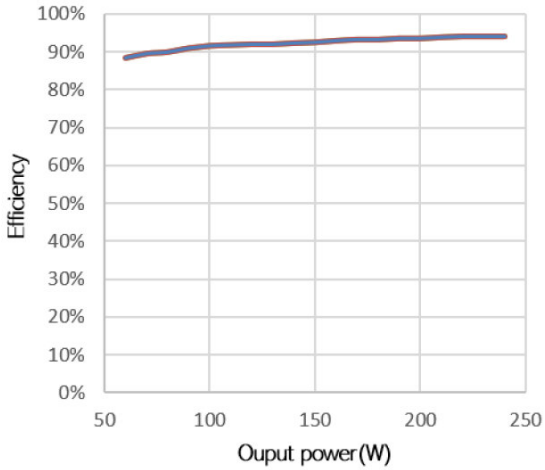
1) At full load

2) Max, th = 260µs

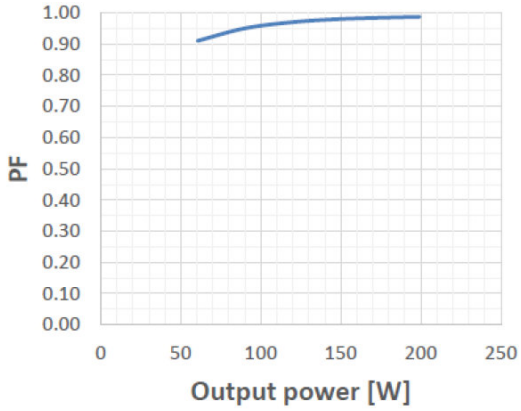
3) at 230 V, 50 Hz



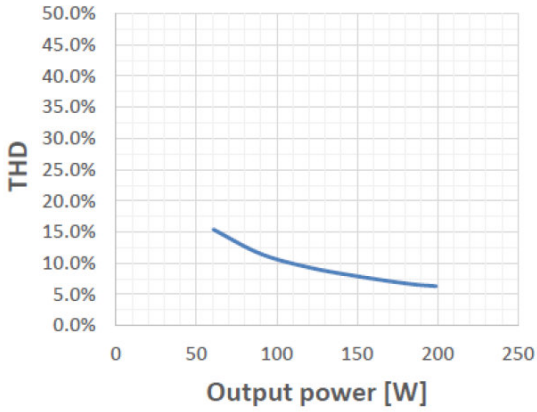
OT 240 2DIM NFC IP67 Operating Window



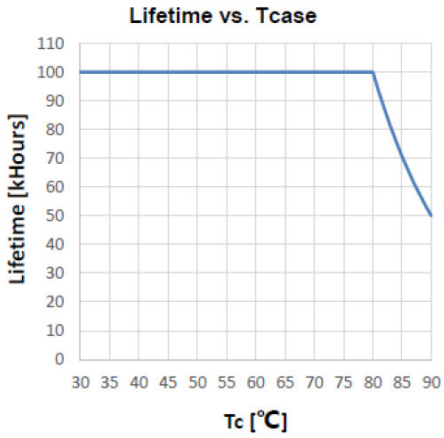
OT 240 2DIM NFC IP67



OT 240 2DIM NFC IP67 Typical Power Factor vs. Load

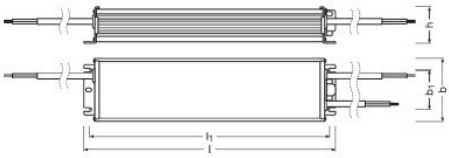


OT 240 2DIM NFC IP67 Typical THD vs Load



OT 240 2DIM NFC IP67 Lifetime vs. Case Temp

Dimensiones y peso



Largo	252,4 mm
Ancho	68,5 mm
Alto	39,6 mm
Distancia entre taladros longitud	239.6 mm
Distancia entre taladros anchura	42,9 mm
Peso del producto	1200,00 g
Sección de cable, entrada	1,0 mm²
Sección de cable, salida	1,0 mm²
Long aislamiento parte de la entrada	10 mm
Long aislamiento parte de la salida	10 mm

Longitud del cable de salida	300±20 mm
Longitud del cable de entrada	590±20 mm
Longitud de cable, línea de control	220±20 mm

Colores y materiales

Material de la carcasa	Aluminium

Temp. y condiciones de funcionamiento

Margen de temperatura ambiente	-40…+55 °C
Temperatura de almacenamiento	-40…+85 °C
Temp. máx. en el punto de prueba tc	85 °C
Temp. máx de la carcasa en caso de fallo	120 °C
Humedad en el aire	5…95 % [1]

[1] Non condensing, absolute humidity: 36g/m³

Duración de vida

ECE vida útil	50000 / 100000 h [1]

[1] At maximum T_c = 80°C / 10% failure rate / At maximum T_c = 75°C / 10% failure rate

Capacidades

Regulable	Sí
Interfaz DIM	AstroDIM / 1…10 V / Pulse Width Modulation
Margen de regulación	10…100 %
Apto para luminarias con clase de prot.	I
Función de lumen constante	Yes
Ent. de coeficiente de temp. negativo	No
Protección contra cortocircuito	Automático reversible
Prueba de no carga	Automatic reversible
Intended for no-load operation	No
Longitud cableado máx. ECE/lámpara	2,0 m [1]
Protección contra sobrecarga	Automático reversible
Number of channels	1

[1] Output wires must be routed as close as possible to each other

Programming

Tuner4TRONIC	Sí
Programming device	NFC

Certificados & Normas

Tipo de protección	IP67
Normas	Según EN 61347-1/Según EN 61347-2-13/Según EN 55015/Según EN 61547/Según EN 61000-3-2/Según EN 61000-3-3/Según EN 62384/EN 60598-1(ED.8)
Símbolos de homologación	CE / CCC / RCM / ENEC 05 / TISI

Datos logísticos

Número estadístico de material	85044083900

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	26-10-2023
Primary Article Identifier	4062172069663
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	63be9521-1cbc-4f6a-afde-bfb3897131d8

Texto de la hoja técni

- Input overvoltage protection: the driver withstands an input voltage up to 350 Vac for a maximum of two hours, shut down of the output load might occur in case the supply voltage exceeds the declared input voltage range;
- Output short circuit protection: short circuit current is limited to the actual output current setting without damage to the unit. See typical operating window graph for details;
- Input voltage range: Nominal operation at 198 – 264Vac. Workable at 120 – 277Vac without safety issue (refer to [8] Typical Input Voltage vs. Load), but normal performance such as THD, EMI, lifetime etc are not guaranteed;
- Over temperature protection: the driver is protected against temporary overheating by shutting down until the overheating eliminated; Auto-reversible when temperature back to normal;
- Not suitable to be mounted in celling corner
- The LED control gear cannot be abutted against or covered by normally flammable materials or used in installations where building insulation or debris is, or may be, present in normal use.
- The external flexible cable or cord of this driver cannot be replaced; if the cord is damaged, the driver shall be destroyed.
- The dimmer should fulfill at least basic insulation between control voltage and dimming circuit (for Australia and New Zealand).
- The startup time to reach the set output current is less than 2s.
- The protective earth (GNYE/PE wire, housing) has to be connected to the heat sink of the LED module to improve the capability of the system to withstand a surge and EMI in critical luminaires.
- For further details please consult the 2DIMLT2 application guide.
- Output over load/voltage protection: In case the input voltage of the load exceeds the output voltage range which is auto defined by output current setting of the driver (Vo=Po/Io), it automatically reduces the output current. Auto-reversible without mains power on/off;
- No load protection: the driver automatically adjusts the output voltage to the maximum output voltage which is auto defined by output current setting if no load is connected. Auto-reversible with the correct load connected;

Hoja de datos de producto

Descarga datos

	Fichero
	User instruction OPTOTRONIC 2DIM P7
	Certificados CB certification OT 240W 2DIM P7
	Certificados CCC certificate OT 240W 2DIM P7
	Certificados ENEC certification OT 240W 2DIM P7
	Datos CAD OT 240 2DIM P7 STEP 300323

Ecodesign regulation information:

Intended for use with LED modules.
The forward voltage of the LED light source shall be within the defined operating window of the control gear in all operating conditions including dimming if applicable.

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistical Data

Código del producto	Descripción del producto	Unidad de embalaje (Piezas/unidad)	Dimensiones (largo x ancho x alto)	Volúmen	Peso bruto
4062172069663	OT 240/ 220-240/1A0 2DIM P7	Embalaje de envío 10	495 mm x 333 mm x 130 mm	21.43 dm^3	13078.00 g

El código del producto mencionado describe la unidad más pequeña de la cantidad que se puede pedir. Una unidad de envío puede contener uno o más productos individuales. Al cursar un pedido, introduzca la cantidad de la unidad de envío o su múltiple.

Privacidad de datos

This OSRAM driver can be configured using the Tuner4TRONIC software. This requires registering on www.myosram.com and downloading theTuner4TRONIC software from the Internet. The Tuner4TRONIC software enables users to access and view the operational data of a luminaire or driver via the corresponding programming interfaces. A password key (Config Lock) must be set up in the driver via the Tuner4TRONIC software in order to control which users can access and view operational data. Follow the instructions for password setup. To grant an external person or company rights to access or view operational data, you can assign password keys. In this case, however, you are responsible for ensuring that the third party concerned takes notice of the information described here. However, OSRAM can read out operating data from devices for maintenance and service purposes even when a password key has been assigned. In individual cases, OSRAM will also use its access rights in order to optimize or improve driver hardware and driver functions. In accordance with data privacy principles, any user of operating data (luminaire manufacturers, third parties with access rights) must ensure that personal data (e.g. name, address, location IDs) are only merged with the prior written consent of the person (end user) concerned. The respective user of the operating data is responsible for providing evidence of consent.

Aviso

OSRAM products must never be directly exposed to external influences. Always provide adequate protection for relevant applications (covers, housings etc.) otherwise any warranty claim will be invalid.