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

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

Caratteristiche prodotto

- Wide output current range
- Adjustable and Constant Lumen Output (CLO)
- Protezione da corto circuiti, sovraccarichi e sovratemperature
- 1...10 V dimming (minimum 10%)

Vantaggi prodotto

- Easily programmable by NFC (AstroDIM / Constant lumen)
- Elevata protezione contro picchi di tensione: fino a 10 kV
- Lifetime: up to 100,000 h

Aree applicative

- Illuminazione stradale e urbana
- Industry lighting
- Adatto per apparecchi di illuminazione con classe di protezione I

Dati tecnici

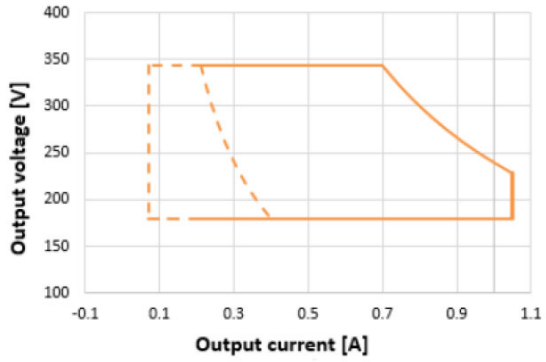
Dati elettrici

Tensione nominale	220…240 V
Tensione in ingresso	198…264 V
Corrente nominale	115 A
Frequenza di rete	50…60 Hz
Fattore di potenza λ	≥ 095
Total harmonic distortion	< 10 % [1]
Perdita di potenza	17 W
Corrente di innesco	139 A [2]
Numero max di ECG con autom. da 10 A	3
No. max di ECG p. circuito autom. 16 A	5
Numero max di ECG con autom. da 25 A (B)	7
Resistenza ai transitori (L/N- terra)	10 kV
Resistenza ai transitori (L/N)	6 kV
Potenza in uscita	120…240 W
Maximum output power	240 W
Efficiency in full-load	93.5 % [3]
Corrente in uscita	700…1050 mA
Default output current	700 mA
Output current tolerance	±5 %
Output ripple current (100 Hz)	< ±5 %
Minimum output current	400 mA
Galvanic isolation	basic
Tensione in uscita	228…343 V
U-OUT	450 V

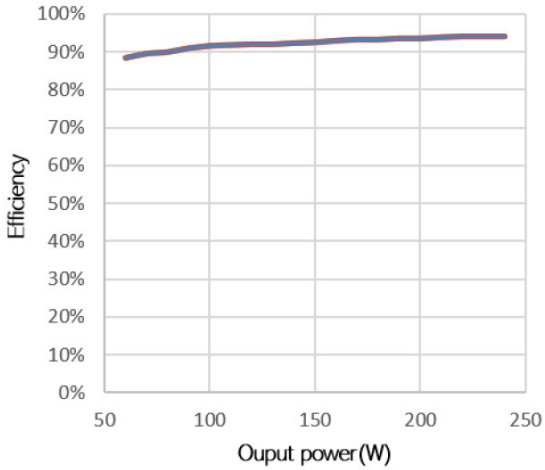
[1] At full load

[2] Max, th = 260µs

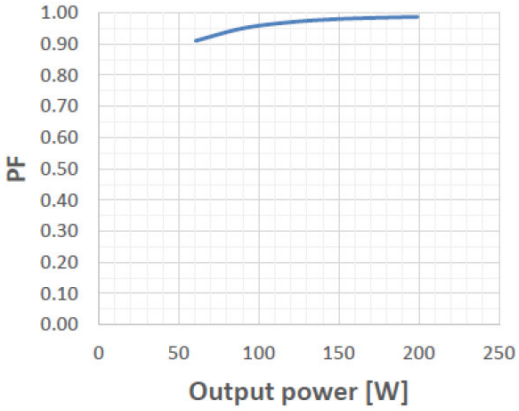
[3] at 230 V, 50 Hz



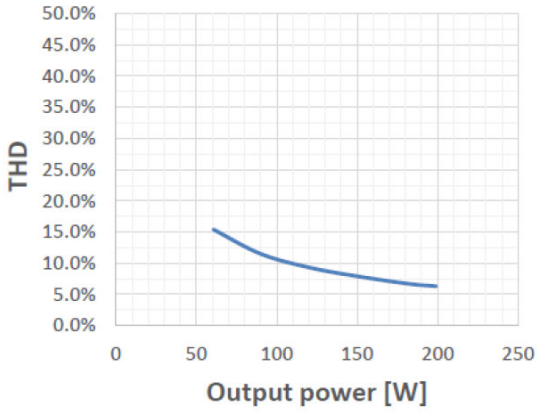
OT 240 2DIM NFC IP67 Operating Window



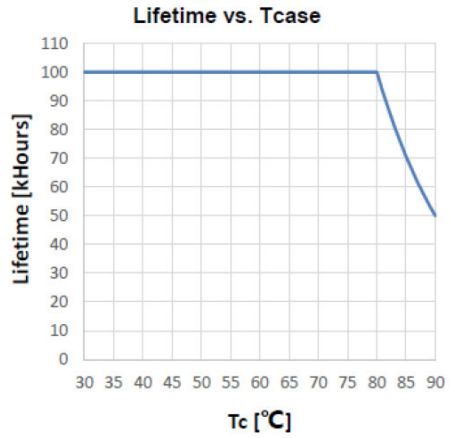
OT 240 2DIM NFC IP67



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

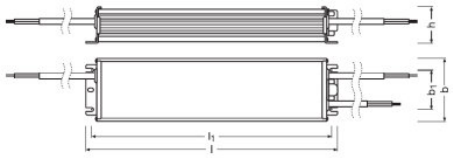


OT 240 2DIM NFC IP67 Typical THD vs Load



OT 240 2DIM NFC IP67 Lifetime vs. Case Temp

Dimensioni e peso



Lunghezza	2524 mm
Larghezza	685 mm
Altezza	396 mm
Distanza tra fori di fissaggi-lunghezza	239.6 mm
Distanza tra fori di fissaggio-larghezza	42,9 mm
Peso prodotto	120000 g
Sezione dei cavi, lato ingresso	1,0 mm²
Sezione dei cavi, lato uscita	1,0 mm²
Spellatura dei cavi in ingresso	10 mm
Spellatura dei cavi in uscita	10 mm

Lunghezza cavi in uscita	300±20 mm
Lunghezza cavi in ingresso	590±20 mm
Cable/wire length, control input	220±20 mm

Colori e materiali

Materiale dell'involucro	Aluminium

Temperature e condizioni di utilizzo

Temperatura ambiente	-40…+55 °C
Temperatura di stoccaggio	-40…+85 °C
Temperatura massima nel punto di prova T	85 °C
Max temp involucro in caso di malfunzion	120 °C
Umidità relativa	5…95 % [1)]

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

Durata

Durata ECG	50000 / 100000 h [1)]

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

Caratteristiche

Dimmerabile	Sì
Interfaccia per la regolazione	AstroDIM / 1…10 V / Pulse Width Modulation
Campo di regolazione	10…100 %
Idoneo per apparecchi con vetro frontale	I
Constant Lumen Function	Sì
Ingresso coefficiente temperatura negati	No
Protezione contro i corto circuiti	Reversibile automatico
Prova funzionamento a vuoto	Automatic reversible
Intended for no-load operation	No
Lunghezza massima cavi ECG/lampada	2,0 m [1)]
Protezione contro il sovraccarico	Reversibile automatico
Number of channels	1

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

Programming

Tuner4TRONIC	Sì
Programming device	NFC

Certificati, Norme, Direttive

Grado di protezione	IP67
Norme	Secondo EN 61347-1/Secondo EN 61347-2-13/Secondo EN 55015/Secondo EN 61547/Secondo EN 61000-3-2/Secondo EN 61000-3-3/Secondo EN 62384/EN 60598-1(ED.8)
Marchi di approvazione	CE / CCC / RCM / ENEC 05 / TISI

Dati logistici

Codice prodotto di base	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

Testo delle specifiche

- 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;

Scheda prodotto

Download dati

	File
	User instruction OPTOTRONIC 2DIM P7
	Certificati CB certification OT 240W 2DIM P7
	Certificati CCC certificate OT 240W 2DIM P7
	Certificati ENEC certification OT 240W 2DIM P7
	Dati 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.

Dati logistici

Codice prodotto	Descrizione del prodotto	Unità di imballo (Pezzi/unità)	Dimensioni (lunghezza x profondità x altezza)	Volume	Peso lordo
4062172069663	OT 240/ 220-240/1A0 2DIM P7	Cartone di spedizione 10	495 mm x 333 mm x 130 mm	21.43 dm^3	13078.00 g

1)☒codice prodotto indicato descrive la minore quantità che può essere ordinata. Una unità di spedizione può contenere uno o più di un singolo prodotto. Quando si inserisce un ordine, per la quantità inserire una o più unità di spedizione.

Norme sulla privacy

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.

Clausola

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.