

OTI DX 35/220...240/400 D NFC L

OPTOTRONIC Intelligent – DEXAL (non-isolated) | Linear constant current LED driver – Dimmable



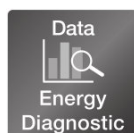
Caratteristiche prodotto

- Frequenza di linea: 0 Hz | 50 Hz | 60 Hz
- Tensione di alimentazione: 220...240 V
- Monitoraggio dei parametri di esercizio dell'apparecchio

Aree applicative

- Adatto per apparecchi di illuminazione con classe di protezione I

OSRAM
DEXAL®

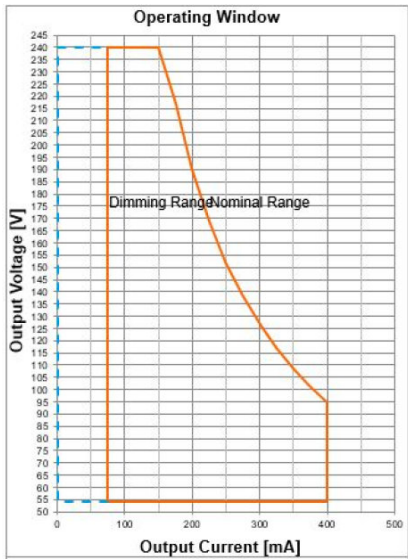


Dati tecnici

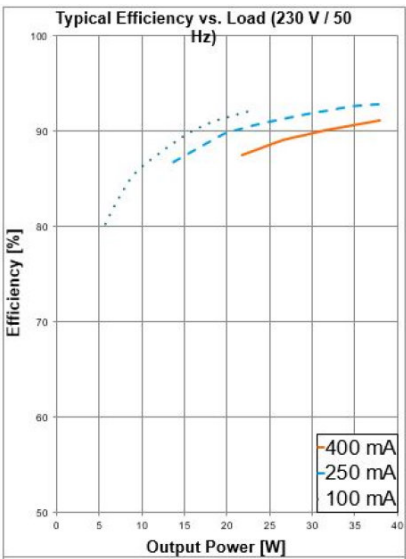
Dati elettrici

Nominal input voltage	220...240 V
Frequenza di rete	0/50/60 Hz Hz
Tensione in ingresso	198...264 V
Tensione continua (cc)	176...276 V
Current set	DALI / NFC / LEDset / Programmable
Total harmonic distortion	< 10 % ¹⁾
Fattore di potenza λ	045C...096 ²⁾
Efficiency in full-load	90 % ³⁾
Perdita di potenza	3.8 W
Corrente di innesco	18 A
Numero max di ECG con autom. da 10 A	17
No. max di ECG p. circuito autom. 16 A	28
Resistenza ai transitori (L/N- terra)	2 kV
Resistenza ai transitori (L/N)	1.5 kV
Tensione in uscita	54...240 V
U-OUT	< 250 V
Corrente in uscita	75...400 mA
Default output current	60 mA ⁴⁾
Output current tolerance	±5 %
Output ripple current (100 Hz)	< 4 %
Output PSTLM	≤1
Output SVM	≤0.4
Potenza in uscita	4...38 W
Maximum output power	38 W
Galvanic isolation	Non isolated
Potenza dissipata in stand-by	<0,25 W ⁵⁾
DEXAL Supply Voltage	15 V
DEXAL Peak Supply Current	60 mA
DEXAL Guaranteed Supply Current	53 mA

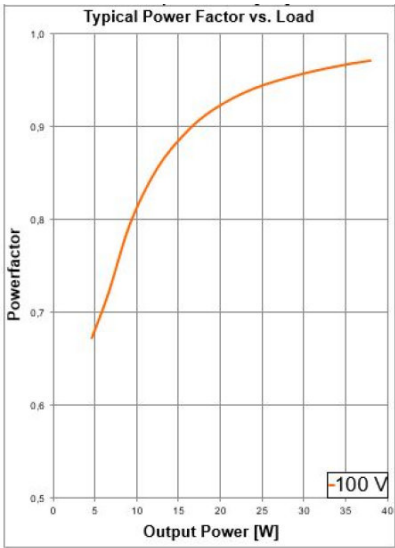
1) At full load
2) Pieno carico a 230 V
3) at 230 V, 50 Hz
4) LEDset deactivated
5) DEXAL"OFF"



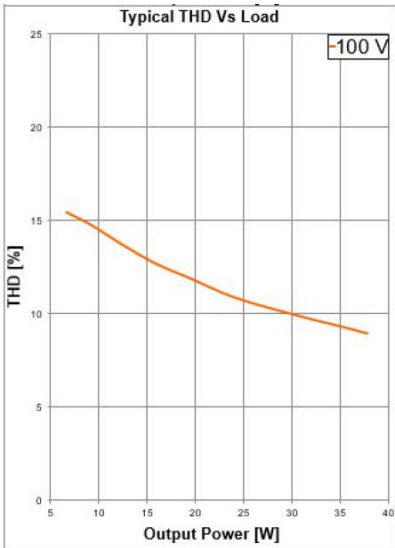
OTI DX 35400 D NFC L Operating window



OTI DX 35400 D NFC L Typical Efficiency vs. Load (230 V 50 Hz)

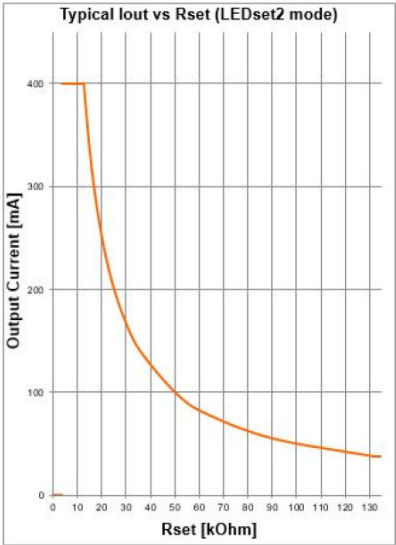


OTI DX 35400 D NFC L Typical Power Factor vs. Load



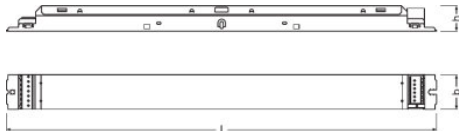
OTI DX 35400 D NFC L Typical THD Vs Load

Scheda prodotto



OTI DX 35400 D NFC L Typical Iout vs Rset (LEDset2 mode)

Dimensioni e peso



Distanza tra fori di fissaggi-lunghezza	350,0 mm
Peso prodotto	22740 g
Sezione dei cavi, lato ingresso	0,5...1,5 mm² ¹⁾
Sezione dei cavi, lato uscita	0,5...1,5 mm² ¹⁾
Spellatura dei cavi in ingresso	8,0...9,0 mm
Spellatura dei cavi in uscita	8,0...9,0 mm
Lunghezza	3600 mm
Larghezza	300 mm
Altezza	210 mm

¹⁾ Cavi rigidi o flessibili

Colori e materiali

Materiale dell'involucro	Metalli
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Temperature e condizioni di utilizzo

Temperatura ambiente	-25...+60 °C
Temperatura massima nel punto di prova T	75 °C ¹⁾
Max temp involucro in caso di malfunzion	110 °C
Temperatura di stoccaggio	-40...+85 °C
Umidità relativa	5...85 % ²⁾

¹⁾ Massimo a punto Tc
²⁾ Massimo 56 giorni all'anno all'85%

Durata

Durata ECG	50000 / 100000 h ¹⁾
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¹⁾ At maximum T_c = 75°C / 10% failure rate / At T_c = 65°C / 10% failure rate

Durata stimata

Tipo				
OTI DX 35/220...240/400 D NFC L	Temperatura ambiente ECG [ta]	60	50	-
	Temperatura punto tc [°C]	75	65	-
	Durata [h]	50000 ¹⁾	100000 ¹⁾	-

¹⁾ Max. 10% failure rate at tc max and input voltage 230 V_{AC}

Dati di prodotto aggiuntivi

Incapsulato	No
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Caratteristiche

Programming interface	DEXAL, NFC, LEDset
Dimmerabile	Sì
Interfaccia per la regolazione	DALI-2 / DEXAL
Campo di regolazione	1...100 %
Dimmer	Full analogue dimming ¹⁾
Protezione contro il surriscaldamento	Reversibile automatico
Protezione contro il sovraccarico	Non-reversible
Protezione contro i corto circuiti	Reversibile automatico

Scheda prodotto

Prova funzionamento a vuoto	Si
Intended for no-load operation	No
Lunghezza massima cavi ECG/lampada	2,0 m ²⁾
Idoneo per apparecchi con vetro frontale	I
Adatta per luce di emergenza	Si
Tipo di connessione, controllo	Terminale a pressione
Tipo di connessione, controllo	Terminale a pressione
Constant Lumen Function	Programmabile
Control interface	DEXAL
Number of channels	1
DALI-2 Energy Data	Si
DALI-2 Diagnostic Data	Si

1) Selectable by Tuner4TRONIC
2) Output wires must be routed as close as possible to each other

Programming

Programming device	DALI magic / NFC Scanner
Tuner4TRONIC	Si
Tuner4TRONIC Field App	Si
Box programming	Yes

Programmable features

Operating Current	Si
Constant Lumen	Si
Lamp Operating Time	Si
Driver Guard	Si
DEXAL Power Supply Unit	Si
Emergency Mode	Si
DALI-2 Luminaire Data	Si
Soft Switch Off	Si
Dim to Dark	Si
TouchDIM + Sensor	Si

Certificati, Norme, Direttive

Marchi di approvazione	CE / EL / VDE-ENEC / VDE-EMC / EAC / CCC / BIS / RCM
Norme	Secondo EN 61347-1/Secondo EN 61347-2-13/Secondo EN 62384/Secondo EN 61000-3-2/Secondo EN 61000-3-3/Secondo EN 61547
Grado di protezione	IP20

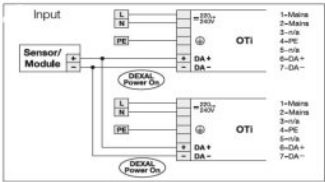
Dati logistici

Codice prodotto di base	85044083900
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	20-11-2023
Primary Article Identifier	4052899590380
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	0510b763-eb43-437e-9b94-83ead9143051

Schema di cablaggio



Wiring diagram OTI DX D NFC L

Testo delle specifiche

- The DEXAL interface is polarity sensitive, even if the DEXAL bus power supply in the driver is turned off. Therefore the polarity of all connected drivers should not be mixed.
- For efficiency and standby power measurement, the D4i bus power supply shall be switched off by using Tuner4TRONIC. Refer to www.tuner4tronic.com.

Scheda prodotto

Download dati

File	
	User instruction OPTOTRONIC LED Power Supply
	Brochure Technical application guide DEXAL LED drivers (EN)
	Certificati OT EMC 40050085 200220
	Certificati OT ENEC 40038085 010322
	Certificati OT EMC 40044675 031022
	Dichiarazioni di conformità OTi DX D NFC L UK DoC 4281283 080321
	Dichiarazioni di conformità OTI DX D NFC L CE 3704710 020921
	Dati CAD OTI DX D NFC L IGS 281119
	Dati CAD OTI DX D NFC L STEP 281119
	Dati CAD 2-dim OTI DX D NFC L CAD2PDF 281119
	Dati CAD 3-dim OTI DX D NFC L CAD3PDF 281119

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
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Scheda prodotto

Dati logistici

4052899590380	OTI DX 35/220...240/400 D NFC L	Cartone di spedizione 20	385 mm x 160 mm x 100 mm	6.16 dm ³	4719.00 g
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1)Il 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

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.