

## OTI DX 75/220...240/600 D NFC L

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



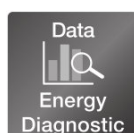
### Características del producto

- Frecuencia de línea: 0 Hz | 50 Hz | 60 Hz
- Tensión de suministro: 220...240 V
- Monitorización de parámetros de funcionamiento de la luminaria

### Áreas de aplicación

- Apto para luminarias con clase de protección I

**OSRAM**  
DEXAL®

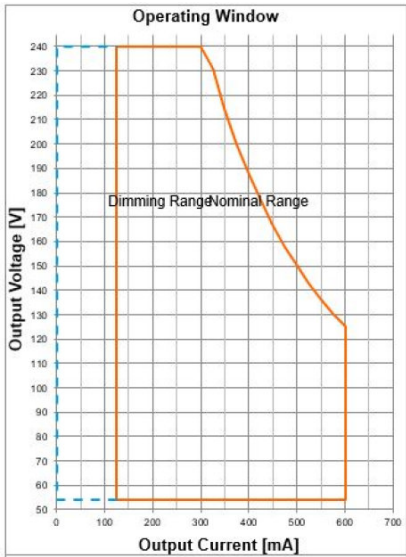


Datos técnicos

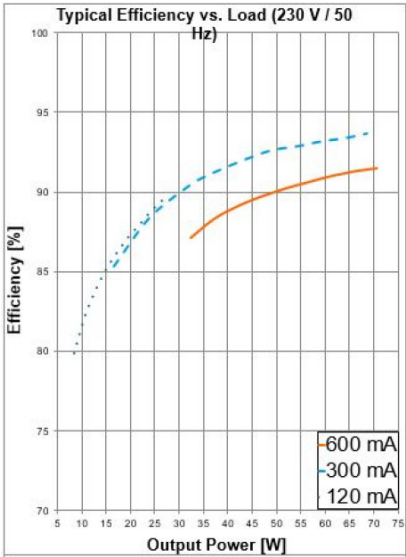
Datos eléctricos

|                                           |                                    |
|-------------------------------------------|------------------------------------|
| Tensión de entrada nominal                | 220...240 V                        |
| Frecuencia de red                         | 0/50/60 Hz Hz                      |
| Tensión de entrada                        | 198...264 V                        |
| Tensión cc                                | 176...276 V                        |
| Current set                               | DALI / NFC / LEDset / Programmable |
| Distorsión armónica total                 | < 10 % <sup>1)</sup>               |
| Factor de potencia λ                      | 0,46C...0,98 <sup>2)</sup>         |
| Efficiency in full-load                   | 93 % <sup>3)</sup>                 |
| Pérdida de potencia del equipo            | 5.25 W                             |
| Corriente de encendido IP                 | 27 A <sup>4)</sup>                 |
| Nº de ECE máximos con automático 10 A (B) | 15                                 |
| Nº de ECE máximos con automático 16 A (B) | 24                                 |
| Resis. a la sobretensión (L/N-tierra)     | 2 kV                               |
| Tensión de aislamiento (L-N)              | 1.5 kV                             |
| Tensión de salida                         | 54...240 V                         |
| U-OUT                                     | < 250 V                            |
| Corriente de salida                       | 120...600 mA                       |
| Default output current                    | 60 mA <sup>5)</sup>                |
| Corriente de salida tolerancia            | ±5 %                               |
| Corriente de salida rizada (100 Hz)       | < 4 %                              |
| Output PSTLM                              | ≤1                                 |
| Output SVM                                | ≤0.4                               |
| Potencia de salida                        | 6,5...75 W                         |
| Potencia de salida máxima                 | 75 W                               |
| Aislamiento galvánico                     | Non isolated                       |
| Pérdida de potencia en modo Stand-By      | <0,25 W <sup>6)</sup>              |
| DEXAL Supply Voltage                      | 15 V                               |
| DEXAL Peak Supply Current                 | 60 mA                              |
| DEXAL Guaranteed Supply Current           | 53 mA                              |

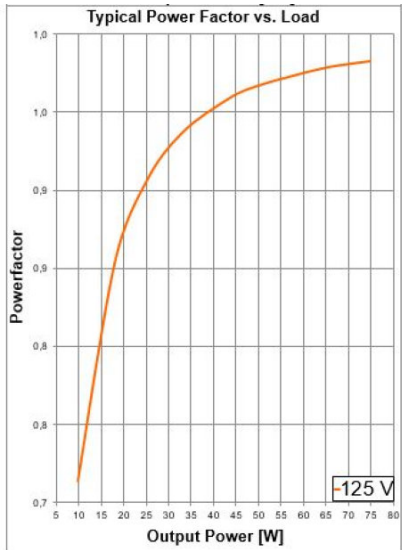
1) At full load  
2) Carga total a 230 V  
3) at 230 V, 50 Hz  
4) Anchura = 200 µs (medido con una inclinación del 50%)  
5) LEDset deactivated  
6) DEXAL"OFF"



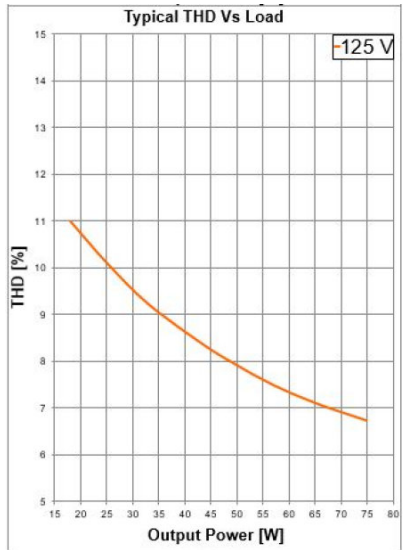
OTI DX 75600 D NFC L Operating Window



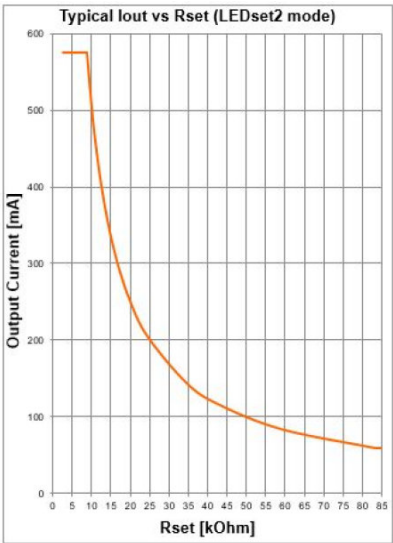
OTI DX 75600 D NFC L Typical Efficiency vs. Load (230 V 50 Hz)



OTI DX 75600 D NFC L Typical Power Factor vs. Load

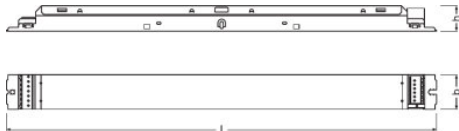


OTI DX 75600 D NFC L Typical THD Vs Load



OTI DX 75600 D NFC L Typical Iout vs Rset (LEDset2 mode)

Dimensiones y peso



|                                      |                  |
|--------------------------------------|------------------|
| Distancia entre taladros longitud    | 350,0 mm         |
| Peso del producto                    | 243,00 g         |
| Sección de cable, entrada            | 0,5...1,5 mm² 1) |
| Sección de cable, salida             | 0,5...1,5 mm² 1) |
| Long aislamiento parte de la entrada | 8,0...9,0 mm     |
| Long aislamiento parte de la salida  | 8,0...9,0 mm     |
| Largo                                | 360,0 mm         |
| Ancho                                | 30,0 mm          |
| Alto                                 | 21,0 mm          |

1) Guías sólidas o flexibles

Colores y materiales

|                        |       |
|------------------------|-------|
| Material de la carcasa | Metal |
|------------------------|-------|

Temp. y condiciones de funcionamiento

|                                          |                        |
|------------------------------------------|------------------------|
| Margen de temperatura ambiente           | -25...+55 °C           |
| Temp. máx. en el punto de prueba tc      | 75 °C <sup>1)</sup>    |
| Temp. máx de la carcasa en caso de fallo | 110 °C                 |
| Temperatura de almacenamiento            | -40...+85 °C           |
| Humedad en el aire                       | 5...85 % <sup>2)</sup> |

<sup>1)</sup> Máximo en el Punto Tc  
<sup>2)</sup> Maximum 56 days/year at 85 %

Duración de vida

|               |                                |
|---------------|--------------------------------|
| ECE vida útil | 50000 / 100000 h <sup>1)</sup> |
|---------------|--------------------------------|

<sup>1)</sup> At maximum T<sub>c</sub> = 75°C / 10% failure rate / At T<sub>c</sub> = 65°C / 10% failure rate

Duración

|                                       |                                  |                     |                      |   |
|---------------------------------------|----------------------------------|---------------------|----------------------|---|
| Nombre del producto                   |                                  |                     |                      |   |
| OTI DX<br>75/220...240/600 D<br>NFC L | ECE temperatura de ambiente [ta] | 55                  | 45                   | - |
|                                       | temperatura en el punto tc [°C]  | 75                  | 65                   | - |
|                                       | vida [h]                         | 50000 <sup>1)</sup> | 100000 <sup>1)</sup> | - |

<sup>1)</sup> Max. 10% failure rate at tc max and input voltage 230 V<sub>AC</sub>

Datos adicionales del producto

|             |    |
|-------------|----|
| Encapsulado | No |
|-------------|----|

Capacidades

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| Programming interface                | DEXAL, NFC, LEDset                  |
| Regulable                            | Sí                                  |
| Interfaz DIM                         | DALI-2 / DEXAL                      |
| Margen de regulación                 | 1...100 %                           |
| Regulador                            | Full analogue dimming <sup>1)</sup> |
| Protección contra sobrecalentamiento | Desconexión automática, reversible  |
| Protección contra sobrecarga         | Non-reversible                      |
| Protección contra cortocircuito      | Automático reversible               |

Hoja de datos de producto

|                                         |                     |
|-----------------------------------------|---------------------|
| Prueba de no carga                      | Sí                  |
| Intended for no-load operation          | No                  |
| Longitud cableado máx. ECE/lámpara      | 2,0 m <sup>2)</sup> |
| Apto para luminarias con clase de prot. | I                   |
| Apto para iluminación de emergencia     | Sí                  |
| Tipo de conexión, entrada lateral       | Terminal a presión  |
| Tipo de conexión, salida lateral        | Terminal a presión  |
| Función de lumen constante              | Programmable        |
| Control interface                       | DEXAL               |
| Number of channels                      | 1                   |
| DALI-2 Energy Data                      | Sí                  |
| DALI-2 Diagnostic Data                  | Sí                  |

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           | Sí                       |
| Tuner4TRONIC Field App | Sí                       |
| Box programming        | Yes                      |

Programmable features

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

Certificados & Normas

|                          |                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------|
| Símbolos de homologación | CE / EL / VDE-ENEC / VDE-EMC / EAC / CCC / BIS / RCM                                                     |
| Normas                   | Según EN 61347-1/Según EN 61347-2-13/Según EN 62384/Según EN 61000-3-2/Según EN 61000-3-3/Según EN 61547 |
| Tipo de protección       | IP20                                                                                                     |

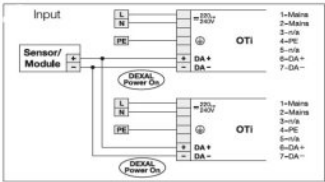
Datos logísticos

|                                |              |
|--------------------------------|--------------|
| Número estadístico de material | 850440829000 |
|--------------------------------|--------------|

Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                                                                                                    |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Date of Declaration                                                   | 20-11-2023                                                                                         |
| Primary Article Identifier                                            | 4052899590403                                                                                      |
| 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                                      | 62c5caf0-ea2e-4828-bb8c-cd92a8441e8e                                                               |

Esquema de conexión



Wiring diagram OTI DX D NFC L

Texto de la hoja técni

- 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](http://www.tuner4tronic.com).

Hoja de datos de producto

Descarga datos

| Fichero                                                                             |                                                                         |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
|    | User instruction<br>OPTOTRONIC LED Power Supply                         |
|    | Folleto de ventas<br>Technical application guide DEXAL LED drivers (EN) |
|    | Certificados<br>OT EMC 40050085 200220                                  |
|    | Certificados<br>OT ENEC 40038085 010322                                 |
|    | Certificados<br>OT EMC 40044675 031022                                  |
|    | Declaración de conformidad<br>OTi DX D NFC L UK DoC 4281283 080321      |
|    | Declaración de conformidad<br>OTI DX D NFC L CE 3704710 020921          |
|    | Datos CAD<br>OTI DX D NFC L IGS 281119                                  |
|   | Datos CAD<br>OTI DX D NFC L STEP 281119                                 |
|  | Datos CAD 2-dim<br>OTI DX D NFC L CAD2PDF 281119                        |
|  | Datos CAD 3-dim<br>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.

Logistical Data

| Código del producto | Descripción del producto | Unidad de embalaje (Piezas/unidad) | Dimensiones (largo x ancho x alto) | Volúmen | Peso bruto |
|---------------------|--------------------------|------------------------------------|------------------------------------|---------|------------|
|---------------------|--------------------------|------------------------------------|------------------------------------|---------|------------|

Hoja de datos de producto

Logistical Data

|               |                                    |                         |                          |                      |           |
|---------------|------------------------------------|-------------------------|--------------------------|----------------------|-----------|
| 4052899590403 | OTI DX 75/220...240/600<br>D NFC L | Embalaje de envío<br>20 | 385 mm x 160 mm x 100 mm | 6.16 dm <sup>3</sup> | 5031.00 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](http://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

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