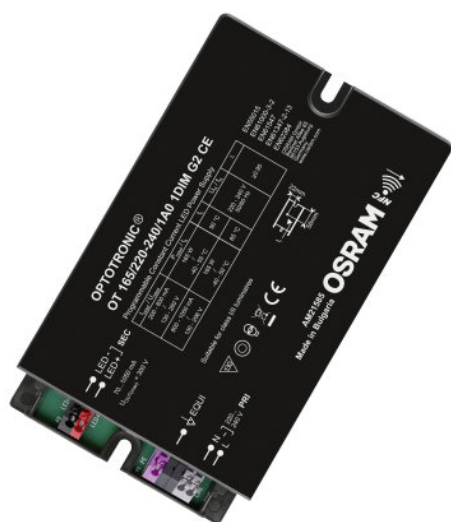


## OT 165/220...240/1A0 1DIM G2 CE

OPTOTRONIC - 1DIM NFC IP20 | AstroDIM – constant current LED drivers



### Características del producto

- Tensión de suministro: 220...240 V
- Rango de salida de corriente: 70...1.050 mA
- Consumo eléctrico en stand-by: < 0,5 W

### Beneficios del producto

- Gran flexibilidad gracias al amplio rango de temperaturas de operatividad de -40...55°C
- Protección a través del doble aislamiento a través de la entrada de red y la salida LED

### Áreas de aplicación

- Iluminación de calles y urbana
- Industria
- Apto para el uso en luminarias en exteriores con clase de protección I y II

Datos técnicos

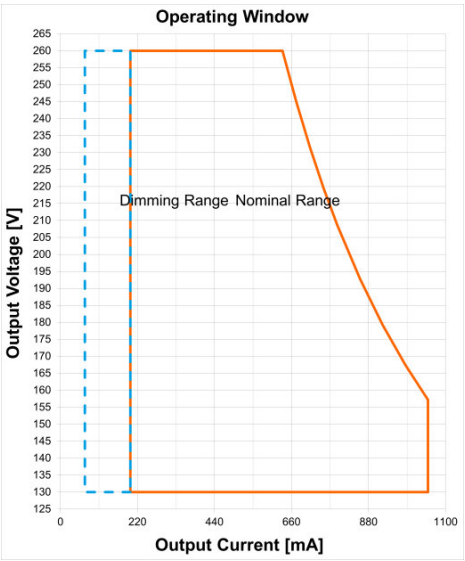
Datos eléctricos

|                                           |                     |
|-------------------------------------------|---------------------|
| Tensión nominal                           | 220...240 V         |
| Tensión de entrada                        | 198...264 V         |
| Corriente nominal                         | 0,78 A              |
| Frecuencia de red                         | 50...60 Hz          |
| Factor de potencia $\lambda$              | 0,85C...0,99        |
| Distorsión armónica total                 | < 5 % <sup>1)</sup> |
| Pérdida de potencia del equipo            | 13 W                |
| Corriente de encendido IP                 | 77 A <sup>2)</sup>  |
| Nº de ECE máximos con automático 10 A (B) | 5                   |
| Nº de ECE máximos con automático 16 A (B) | 8                   |
| Nº de ECE máximos con automático 25 A (B) | 13                  |
| Resis. a la sobretensión (L/N-tierra)     | 10 kV               |
| Tensión de aislamiento (L-N)              | 6 kV                |
| Potencia de salida                        | 165 W               |
| Potencia de salida máxima                 | 165 W               |
| Efficiency in full-load                   | 93 % <sup>3)</sup>  |
| Corriente de salida                       | 200...1050 mA       |
| Corriente de salida tolerancia            | ±3 %                |
| Corriente de salida rizada (100 Hz)       | < 5 %               |
| Output PSTLM                              | ≤1                  |
| Output SVM                                | ≤0.4                |
| Corriente de salida mínima                | 70 mA               |
| Aislamiento galvánico                     | Double              |
| Tensión de salida                         | 130...260 V         |
| U-OUT                                     | 300 V               |
| Núm. máx. ECEs en 16 A MCB con EBN-OS     | 21                  |
| Nº de ECE máximos con automático 10 A (B) | 9                   |
| Nº de ECE máximos con automático 16 A (B) | 14                  |

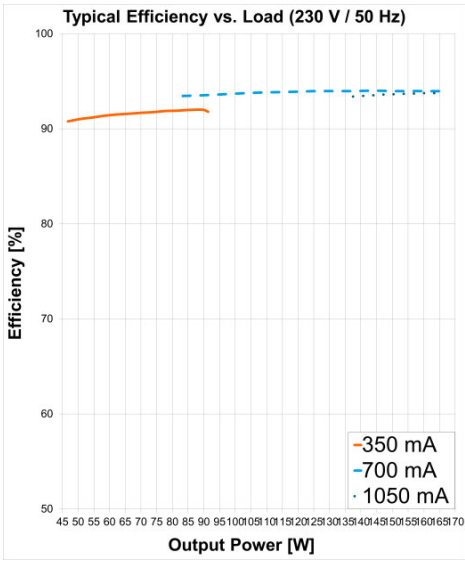
<sup>1)</sup> At full load

<sup>2)</sup> At 192 µs

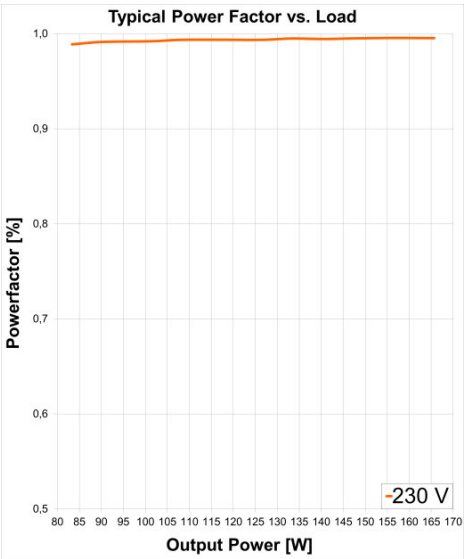
<sup>3)</sup> at 230 V, 50 Hz



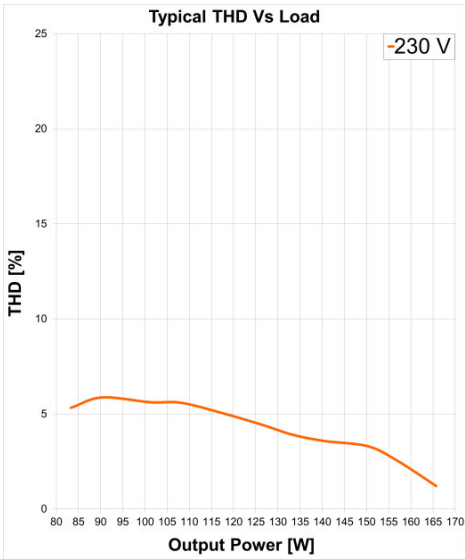
Operating Window OT DX 165 1A0 DIMA LT2 E



Typical Efficiency vs.Load (230 V 50 Hz) OT 165220-2401A0 1DIM G2 CE

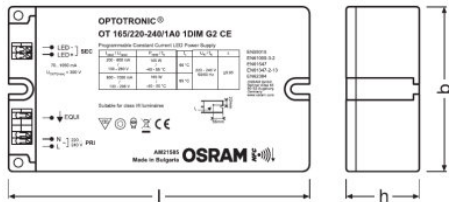


Typical Power Factor vs. Load OT 165220-2401A0 1DIM G2 CE



Typical THD vs Load OT 165220-2401A0 1DIM G2 CE

Dimensiones y peso



|                                      |                           |
|--------------------------------------|---------------------------|
| Largo                                | 150,0 mm                  |
| Ancho                                | 90,0 mm                   |
| Alto                                 | 39,5 mm                   |
| Distancia entre taladros longitud    | 134.0 mm                  |
| Distancia entre taladros anchura     | -                         |
| Peso del producto                    | 785,00 g                  |
| Sección de cable, entrada            | 0,2...1,5 mm <sup>2</sup> |
| Sección de cable, salida             | 0,2...1,5 mm <sup>2</sup> |
| Long aislamiento parte de la entrada | 8,5...9,5 mm              |

Temp. y condiciones de funcionamiento

|                                          |                            |
|------------------------------------------|----------------------------|
| Margen de temperatura ambiente           | -40...+55 °C <sup>1)</sup> |
| Temperatura de almacenamiento            | -25...80 °C                |
| Temp. máx. en el punto de prueba tc      | 90 °C <sup>2)</sup>        |
| Temp. máx de la carcasa en caso de fallo | 130 °C                     |
| Humedad en el aire                       | 5...85 % <sup>3)</sup>     |

1) Ta(max) = 50°C for output current >800 mA

2) Tc(max) = 85°C for output current >800 mA

3) Maximum 56 days/year at 85 %

Duración de vida

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

1) T<sub>c</sub> = 85°C, with max. 10% failure rate / T<sub>c</sub> = 75°C, with max. 10% failure rate

Capacidades

|                      |            |
|----------------------|------------|
| Regulable            | Sí         |
| Interfaz DIM         | AstroDIM   |
| Margen de regulación | 10...100 % |

Hoja de datos de producto

|                                         |                       |
|-----------------------------------------|-----------------------|
| Apto para luminarias con clase de prot. | I / II                |
| Función de lumen constante              | Programmable          |
| Protección contra cortocircuito         | Automático reversible |
| Prueba de no carga                      | Sí                    |
| Intended for no-load operation          | No                    |
| Longitud cableado máx. ECE/lámpara      | 2,0 m <sup>1)</sup>   |
| Protección contra sobrecarga            | Automático reversible |
| Number of channels                      | 1                     |

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

Programming

|                    |     |
|--------------------|-----|
| Programming device | NFC |
|--------------------|-----|

Certificados & Normas

|                          |                                                                                                                                                                                                                                                      |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tipo de protección       | IP20                                                                                                                                                                                                                                                 |
| Normas                   | Acc. to EN 61347-1:2015/Acc. to EN 61347-2-13:2014 + A1:2017/Acc. to EN 62384:2006 + A1:2009-09/Acc. to EN 55015:2013 + A1:2015/Acc. to EN 61000-3-2:2014/Acc. to EN 61000-3-3:2013/Acc. to EN 61547:2009/Acc. to ETSI EN 301 489-3 V2.1.1 (2019-03) |
| Símbolos de homologación | CE / ENEC / VDE / VDE-EMC / CCC / EAC                                                                                                                                                                                                                |

Datos logísticos

|                                |             |
|--------------------------------|-------------|
| Número estadístico de material | 85044083900 |
|--------------------------------|-------------|

Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (RECh) |                                                                                                                    |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Date of Declaration                                                  | 29-03-2024                                                                                                         |
| Primary Article Identifier                                           | 4052899605381   8010703816763   4050732430831                                                                      |
| 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                                     | 58a9c88b-0d67-4087-b213-381b32d0bee1   33086005-6e9a-4925-8b1d-8d4993a3aff1   5df14b72-4d90-4d71-8e2e-bccadc2fa0ad |

Descarga datos

Hoja de datos de producto

| Fichero                                                                           |                                                                    |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------|
|  | User instruction<br>OPTOTRONIC Outdoor                             |
|  | Folleto de ventas<br>4 DIM NFC G3 CE LED drivers and T4T C (EN)    |
|  | Certificados<br>OT VDE ENEC 40050684 290923                        |
|  | Certificados<br>OT EMC 40044675 031022                             |
|  | Declaración de conformidad<br>EU Declaration of Conformity 3979050 |

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 |
|---------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------|------------|
| 4052899605381       | OT 165/220...240/1A0<br>1DIM G2 CE | Embalaje de envío<br>10            | 385 mm x 300 mm x 125 mm           | 14.44 dm <sup>3</sup> | 8191.00 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

## Hoja de datos de producto

This OSRAM driver can be configured using the Tuner4TRONIC software. This requires registering on [www.mynosram.com](http://www.mynosram.com) and downloading the Tuner4TRONIC 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.

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### Aviso

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