# OTi DALI 100/220…240/700 D NFC IND L

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

## Produktegenskaper

- Nätfrekvens: 0 Hz | 50 Hz | 60 Hz
- Versatile scope of application thanks to an output power range of up to 300 W
- Matningsspänning: 220…240 V

## Produktfördelar

- Högt överspänningsskydd: upp till 4 kV (L-N) / 4 kV (L/N-PE)

## Användningsområde

- Installation i nödbelysningssystem enligt IEC 61347-2-13, bilaga J
- Lämplig för installation i nödbelysningssystem enligt EN 60598-2-22
- Lämplig för armaturer med skyddsklass I

Tekniska data

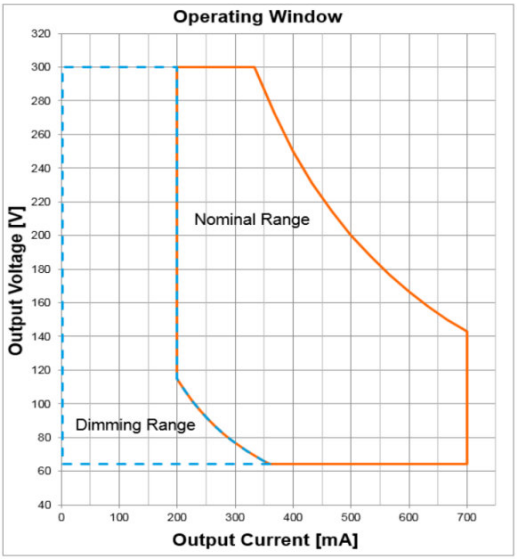
## Elektriska data

| | |
|---|---|
| **Nominell inspänning** | 220…240 V |
| **Nätfrekvens** | 0/50/60 Hz Hz |
| **Inspänning AC** | 198…264 V |
| **Inspänning DC** | 176…276 V |
| **Current set** | DALI / NFC / LEDset / Programmable |
| **Total övertonshalt** | < 8 % |
| **Effektfaktor λ** | > 0,98 |
| **Efficiency in full-load** | 94 % [1)] |
| **Förlusteffekt** | 9,0 W |
| **Networked standby power** | ≤0.22 W [1)] |
| **IP Inkopplingsström** | 5 A |
| **Max antal HF-don på säkringsaut 10 A (B)** | 23 |
| **Max antal HF-don på säkringsaut 10 A (B)** | - |
| **Max antal HF-don på säkringsaut 16 A (B)** | 36 |
| **Max antal HF-don på säkringsaut 16 A (B)** | - |
| **Spänningstopp (ström/jord)** | 4 kV |
| **Spänningstopp (fas/neutral)** | 4 kV |
| **Nominell utspänning** | 64…300 V |
| **U-OUT (arbetsspänning)** | < 310 V |
| **Nominell utström** | 200…700 mA |
| **Output current LEDset open** | 100 mA |
| **Output current LEDset shorted** | 200 mA |
| **Default output current** | 100 mA [2)] |
| **Utgångsströmstolerans** | ±3 % [3)] |
| **Utgångs rippelström (100 Hz)** | < 1 % |
| **Output PSTLM** | ≤1 |
| **Output SVM** | ≤0.4 |
| **Nominell uteffekt** | 28…100 W |
| **Maximal uteffekt** | 100 W |
| **Galvanisk isolation** | Non isolated |

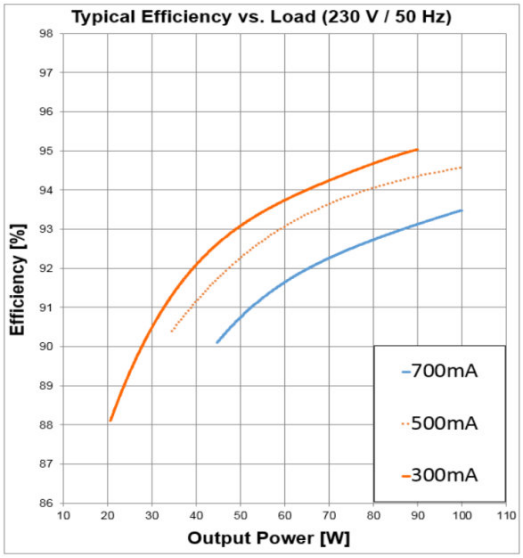
1) at 230 V, 50 Hz

2) LEDset deactivated

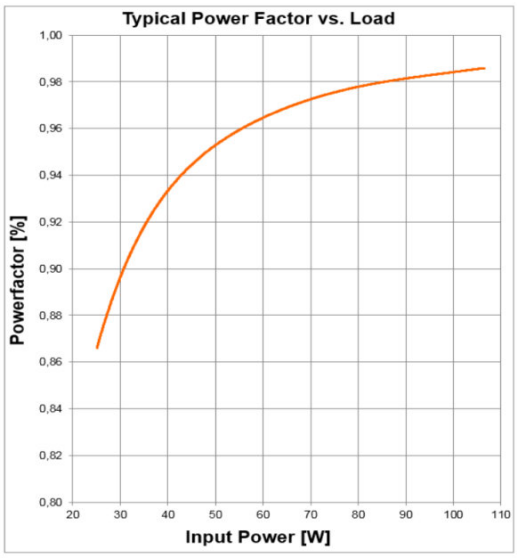
3) When use DALI



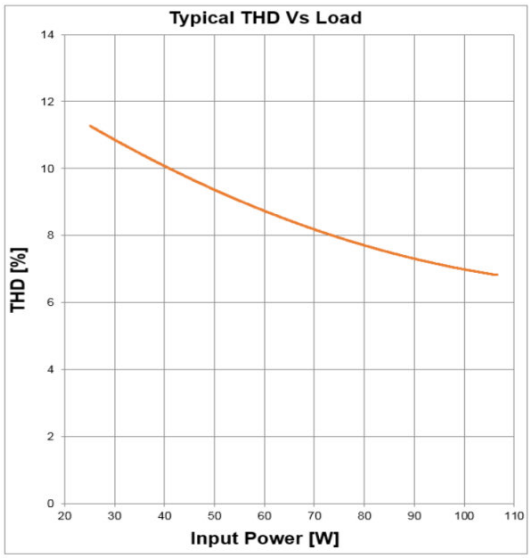

OTI DALI 100220-240700 D NFC IND L Operating Window




OTI DALI 100220-240700 D NFC IND L Typical Efficiency vs. Load (230 V  50 Hz)

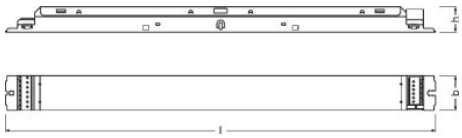


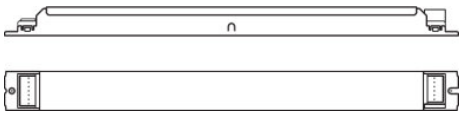

OTI DALI 100220-240700 D NFC IND L Typical Power Factor vs. Load




OTI DALI 100220-240700 D NFC IND L Typical THD Vs Load

## Mått





| | |
|---|---|
| **Hålavstånd längd** | 350,0 mm |
| **produktvikt** | 260,00 g |
| **Ledningsarea ingångsida** | 0,5…1,5 mm² |
| **Ledningsarea utgångsida** | 0,5…1,5 mm² |
| **Avisoleringslängd på primärsidan** | 8,0…9,0 mm |
| **Avisoleringslängd på sekundärsidan** | 8,0…9,0 mm |
| **Längd** | 360,0 mm |
| **Bredd** | 30,0 mm |
| **Höjd** | 21,0 mm |

## Färger & Material

| | |
|---|---|
| **Inkapslingsmaterial** | Metal |

## Temperaturer och driftsförhållanden

| | |
|---|---|
| **Omgivningstemperaturområde** | -40…+65 °C |
| **Maximal temperatur vid tc testpunkt** | 85 °C |
| **Maximal höljestemperatur vid fel** | 110 °C |
| **Förvaringstemperatur** | -40…+85 °C |
| **Tillåten rel. luftfuktighet under drift** | 5…85 % [1)] |

[1)] Maximum 56 days/year at 85 %

## Livslängder

| | |
|---|---|
| **Hf-don livslängd** | 50000 / 100000 h [1)] |

[1)] At maximum $T_c$ = 85°C / 10% failure rate / Vid tcase = 75°C och $T_c$ point / 10 % felprocent

## Tillägg produktdata

| | |
|---|---|
| **Inkapslad** | Nej |

## Användningsområden

| | |
|---|---|
| **Programming interface** | DALI, NFC, LEDset |
| **Ljusreglerbar** | Ja |
| **Dimmer gränssnitt** | DALI-2 / Touch DIM / Touch DIM Sensor |
| **Ljusregleringsområde** | 1...100 % |
| **Ljusregleringsteknik** | Full analogue dimming |
| **Konstant lumenflödesfunktion** | Programmable |
| **Överhettningsskydd** | Automatisk avstängning, återställningsbar |
| **Överlastskydd** | Non-reversible |
| **Kortslutningsskydd** | Automatisk avstängning, återställningsbar |
| **Kan drivas utan belastning** | Ja |
| **Intended for no-load operation** | Nej |
| **Max. kabellängd till lampa / LED-modul** | 5,0 m |
| **Passande för armaturer med skyddsklass** | I |
| **Lämplig till nödbelysning** | Ja |
| **Typ av anslutning, ineffektsida** | Tryckplint |
| **Typ av anslutning, uteffektsida** | Tryckplint |
| **Control interface** | DALI |
| **Number of channels** | 1 |
| **DALI-2 Energy Data** | Ja |
| **DALI-2 Diagnostic Data** | Ja |

## Programming

| | |
|---|---|
| **Programming device** | DALI magic / NFC Scanner |
| **Tuner4TRONIC** | Ja |
| **Tuner4TRONIC Field App** | Ja |
| **Box programming** | Yes |

## Programmable features

| | |
|---|---|
| **Operating Current** | Ja |
| **Constant Lumen** | Ja |
| **Lamp Operating Time** | Ja |
| **Driver Guard** | Ja |
| **DALI Settings** | Ja |
| **Emergency Mode** | Ja |
| **DALI-2 Luminaire Data** | Ja |
| **Soft Switch Off** | Ja |
| **Dim to Dark** | Ja |

| | |
|---|---|
| **TouchDIM + Sensor** | Ja |
| **Corridor Functionality** | Ja |

## Certifikat och Standarder

| | |
|---|---|
| **Godkännandemärkning** | CE / EL / VDE-ENEC / EAC / CCC / RCM / BIS |
| **Standarder** | enl. EN 61347-1/enl. EN 61347-2-13/enl. EN 55015/enl. EN 61547/enl. EN 61000-3-2/Acc. to EN 62384/Acc. to EN 62386 |
| **Skyddstyp** | IP20 |

## Logistikdata

| | |
|---|---|
| **Statistiskt varunummer** | 850440829000 |

## Environmental information

| | |
|---|---|
| **Date of Declaration** | 10-11-2021 |
| **Primary Article Identifier** | 4052899559516 |
| **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** | 1a2a2563-fa7e-405d-8d4a-1f291bbf4f04 |

## Download

| | Dokument |
|---|---|
| | User instruction<br>OPTOTRONIC LED Power Supply |
| | Certifikat<br>OT EMC 40050085 200220 |
| | Certifikat<br>OTI DALI D NFC IND L CB DE1 63739 130720 |
| | Certifikat<br>OTI DALI 100 D NFC IND L EATON AM35717 110820 |
| | Certifikat<br>OTI DALI 100 D NFC IND L INOTEC AM35717 110820 |
| | Certifikat<br>OT ENEC 40038085 130720 |
| | Certifikat<br>OT EMC 40044675 250621 |
| | Konformitetsdeklaration<br>OTI DALI D NFC IND L CE 3633294 200821 |

# Produktdatablad

| | |
|---|---|
| | Konformitetsdeklaration<br>EATON(CEAG) Conformity declaration  AM07661_OTi_DALI_100_220-240_700_D_NFC_IND_L |
| | Konformitetsdeklaration<br>INOTEC Conformity declaration AM07661_OTi_DALI_100_220-240_700_D_NFC_IND_L |
| | CAD-data<br>OTI DALI 100 D NFC IND L STEP 090120 |
| | CAD-data 2-dim<br>OTI DALI 100 D NFC IND L CAD2PDF 090120 |
| | CAD-data 3-dim<br>OTI DALI 100 D NFC IND L CAD3PDF 090120 |

## 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.

## Logistiska data

| Produktnummer | Produktbeskrivning | Förpackningsenhet (Styck/Enhet) | Dimensioner (längd x bredd x höjd) | Volym | Bruttovikt |
|---|---|---|---|---|---|
| 4052899559516 | OTi DALI 100/220…240/700 D NFC IND L | Transportförpackning 20 | 385 mm x 160 mm x 100 mm | 6.16 $dm^3$ | 5374.00 g |

Produktkoden gäller minsta tillåtna beställningskvantitet. En transportförpackning kan innehålla en eller flera produkter. Vid orderläggning, vänligen ange en eller flera transportförpackningar.

## Datasäkerhetsskydd

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.

## Friskrivningsklausul

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