

## OTi DALI 80/220...240/1A6 LT2 L

OPTOTRONIC Intelligent – DALI LEDset LT2 (SELV) | Linear constant current LED driver – Dimmable



### Produktegenskaper

- Nätfrekvens: 0 Hz | 50 Hz | 60 Hz
- Matningsspänning: 220...240 V

### Användningsområde

- Installation i nödbelysningsystem enligt IEC 61347-2-13, bilaga J
- 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 <sup>1)</sup>    |
| Inspänning DC                            | 176...276 V                  |
| Current set                              | DALI / LEDset / Programmable |
| Total övertonshalt                       | < 20 %                       |
| Effektfaktor λ                           | 0,78C,,,0,98 <sup>2)</sup>   |
| Efficiency in full-load                  | 90 % <sup>3)</sup>           |
| Förlusteffekt                            | 8,5 W <sup>4)</sup>          |
| Skyddsledare ström                       | <2,0 mA                      |
| IP Inkopplingsström                      | 53 A <sup>5)</sup>           |
| Max antal HF-don på säkringsaut 10 A (B) | 8                            |
| Max antal HF-don på säkringsaut 16 A (B) | 13                           |
| Max antal HF-don på säkringsaut 25 A (B) | -                            |
| Spänningstopp (ström/jord)               | 2 kV                         |
| Spänningstopp (fas/neutral)              | 1 kV                         |
| Nominell utspänning                      | 20...54 V <sup>6)</sup>      |
| U-OUT (arbetsspänning)                   | < 60 V                       |
| Nominell utström                         | 600...1550 mA                |
| Output current LEDset open               | 300 mA                       |
| Output current LEDset shorted            | 1400 mA                      |
| Default output current                   | 300 mA <sup>7)</sup>         |
| Utgångsströmstolerans                    | ±3 % <sup>8)</sup>           |
| Utgångs rippelström (100 Hz)             | < 1 %                        |
| Output PSTLM                             | ≤1                           |
| Output SVM                               | ≤0.4                         |
| Nominell uteffekt                        | 32...80 W                    |
| Maximal uteffekt                         | 80 W                         |
| Galvanisk isolation                      | SELV                         |
| Förlusteffekt i Stand-By läge i W        | <0,5 W                       |
| Galvanisk isolering primär/sekundär      | 3,75 kV <sup>9)</sup>        |

1) Tillåtet spänningsområde

2) Full last vid 230 V

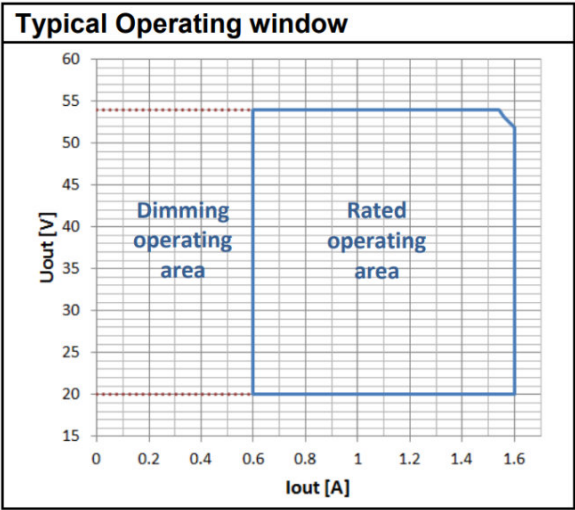
3) at 230 V, 50 Hz

4) Maximum

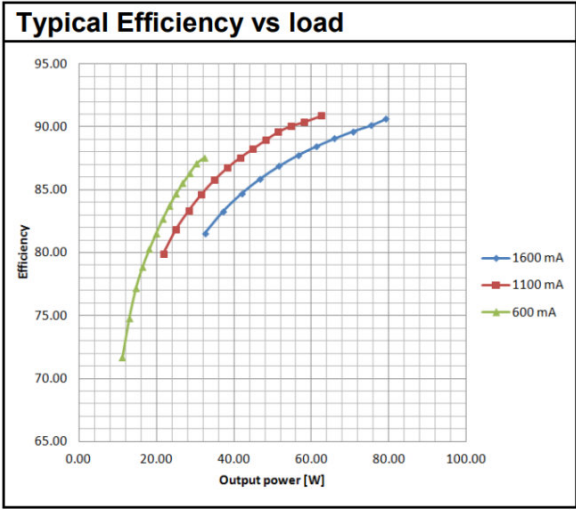
5) Vid 200 μs

6) Maximum 60 V

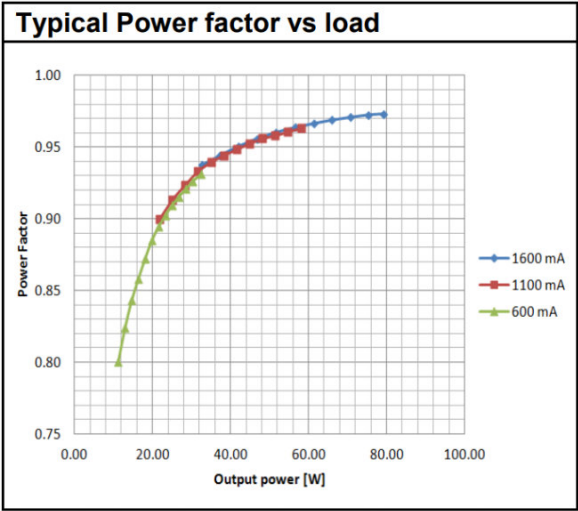
7) LEDset deactivated  
8) When use DALI  
9) SELV



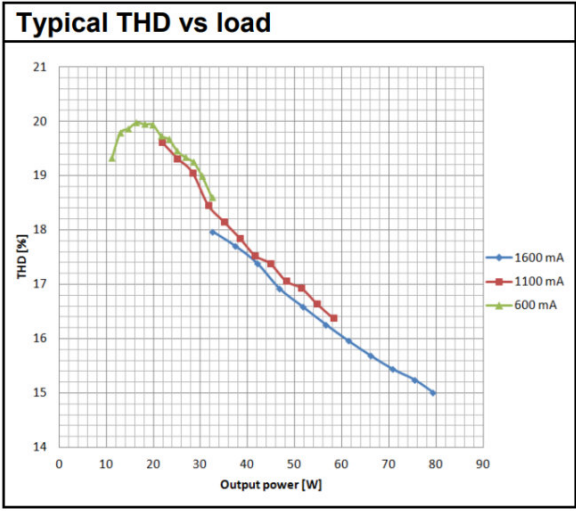
OTi DALI 80/220...240/1A6 LT2 L Operating Window



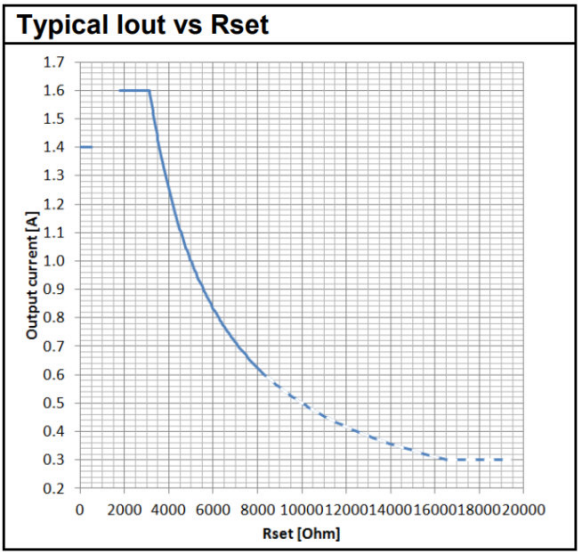
OTi DALI 80/220...240/1A6 LT2 L Typical Efficiency vs. Load (230 V 50 Hz)



OTI DALI 80220-2401A6 LT2 L Typical Power Factor vs. Load



OTI DALI 80220-2401A6 LT2 L Typical THD Vs Load



OTI DALI 80220-2401A6 LT2 L Typical Iout vs Rset (LEDset2 mode)

Mått



|                                    |                                         |
|------------------------------------|-----------------------------------------|
| Hålavstånd längd                   | 350,0 mm                                |
| produktvikt                        | 285,00 g                                |
| Ledningsarea ingångsida            | 0,5...1,5 mm <sup>2</sup> <sup>1)</sup> |
| Ledningsarea utgångsida            | 0,5...1,5 mm <sup>2</sup> <sup>1)</sup> |
| Avisoleringslängd på primärsidan   | 8,5...9,5 mm                            |
| Avisoleringslängd på sekundärsidan | 8,5...9,5 mm                            |
| Längd                              | 360,0 mm                                |
| Bredd                              | 30,0 mm                                 |
| Höjd                               | 21,0 mm                                 |

<sup>1)</sup> Solida eller flexibla ledare

Färger & Material

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

Temperaturer och driftsförhållanden

|                                         |                        |
|-----------------------------------------|------------------------|
| Omgivningstemperaturområde              | -25...+50 °C           |
| Maximal temperatur vid tc testpunkt     | 80 °C                  |
| Maximal höljestemperatur vid fel        | 120 °C                 |
| Förvaringstemperatur                    | -25...85 °C            |
| Tillåten rel. luftfuktighet under drift | 5...85 % <sup>1)</sup> |

<sup>1)</sup> Maximum 56 days/year at 85 %

Livslängder

|                  |                                |
|------------------|--------------------------------|
| Hf-don livslängd | 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

Användningsområden

|                       |              |
|-----------------------|--------------|
| Programming interface | DALI, LEDset |
|-----------------------|--------------|

Produktdatablad

|                                        |                                               |
|----------------------------------------|-----------------------------------------------|
| Ljusreglerbar                          | Ja                                            |
| Dimmer gränssnitt                      | DALI-2 / Touch DIM / Touch DIM Sensor         |
| Ljusregleringsområde                   | 1...100 % <sup>1)</sup>                       |
| Ljusregleringsteknik                   | Amplitude Modulation / Pulse Width Modulation |
| Konstant lumenflödesfunktion           | Programmable                                  |
| Överhettningsskydd                     | Automatisk avstängning, återställningsbar     |
| Överlastskydd                          | Automatisk avstängning, återställningsbar     |
| Kortslutningsskydd                     | Automatisk avstängning, återställningsbar     |
| Kan drivas utan belastning             | Ja                                            |
| Intended for no-load operation         | Nej                                           |
| Max. kabellängd till lampa / LED-modul | 2,0 m <sup>2)</sup>                           |
| Passande för armaturer med skyddsklass | I                                             |
| 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                                            |

<sup>1)</sup> For maximum nominal output current  
<sup>2)</sup> Output wires must be routed as close as possible to each other

Programming

|                        |            |
|------------------------|------------|
| Programming device     | DALI magic |
| Tuner4TRONIC Field App | Ja         |

Programmable features

|                       |    |
|-----------------------|----|
| Operating Current     | Ja |
| Lamp Operating Time   | Ja |
| DALI Settings         | Ja |
| Emergency Mode        | Ja |
| DALI-2 Luminaire Data | Ja |
| Configuration Lock    | Ja |
| TouchDIM + Sensor     | Ja |

Certifikat och Standarder

|                     |                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------|
| Godkännandemärkning | CE / EL / VDE-ENEC / VDE-EMC / EAC / CCC / RCM                                                                |
| 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 | 85044083900 |
|------------------------|-------------|

Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (RECh) |                                                                                                    |
|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Date of Declaration                                                  | 28-04-2023                                                                                         |
| Primary Article Identifier                                           | 4052899028074                                                                                      |
| 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                                     | cbb3b8e1-e2f1-4b9c-94d0-cb312e04ec0b                                                               |

Download

| Dokument                                                                            |                                                             |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------|
|  | User instruction<br>OPTOTRONIC LED Power Supply             |
|  | Certifikat<br>OTi DALI 80 1A6 LT2 L INOTEC AM20234 270420   |
|  | Certifikat<br>OT FIT OTi DALI LT2 CB DE1 63464 060520       |
|  | Certifikat<br>OT ENEC 40038447 260623                       |
|  | Certifikat<br>489311_CB Certificate OTi DALI LT2 L          |
|  | Certifikat<br>494640_CE Declaration OTi DALI linear         |
|  | Certifikat<br>OT EMC 40038827 300922                        |
|  | Konformitetsdeklaration<br>OTi DALI LT2 L CE 3366462 230821 |
|  | CAD-data<br>OTi DALI 80 LT2 L IGS 270220                    |
|  | CAD-data<br>OTi DALI 80 LT2 L STEP 270220                   |
|  | CAD-data 2-dim<br>OTi DALI 80 LT2 L CAD2PDF 270220          |
|  | CAD-data 3-dim<br>OTi DALI 80 LT2 L CAD3PDF 270220          |

# Produktdatablad

## 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 |
|---------------|---------------------------------|---------------------------------|------------------------------------|----------------------|------------|
| 4052899028074 | OTi DALI 80/220...240/1A6 LT2 L | Transportförpackning 20         | 385 mm x 160 mm x 100 mm           | 6.16 dm <sup>3</sup> | 5943.00 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](http://www.myosram.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.

## Friskrivningsklausul

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