

## OTi DALI 50/220...240/1A4 NFC LP

OPTOTRONIC Intelligent – DALI NFC LP | Compact constant current LED driver – Dimmable



## A termék jellemzői

- Supply voltage: 220...240 V
- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Line voltage: 198...264 V

## A termék előnyei

- Versatile DALI window driver due to flexible output characteristic
- DALI-2 certified incl. Parts 251, 252, 253
- Easy to use in corridors and restrooms because of three-level Corridor function
- Touch DIM application: easy to control via pushbutton or sensor

## Alkalmazási területek

- Suitable for use in luminaires with flexible current setting
- Installation in emergency lighting systems according to IEC 61347-2-13, appendix J
- Suitable for indoor SELV installations
- Suitable for luminaires of protection classes I and II

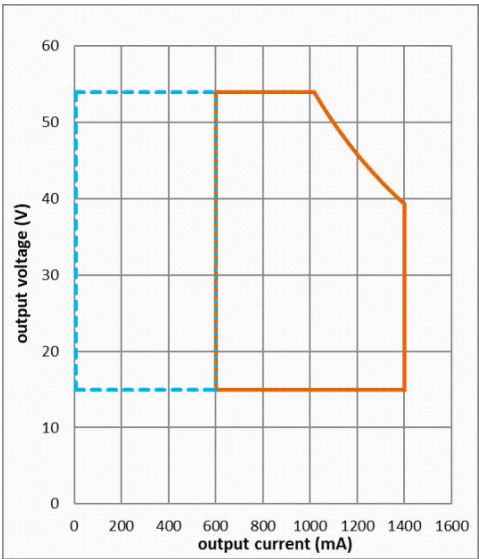


Műszaki adatok

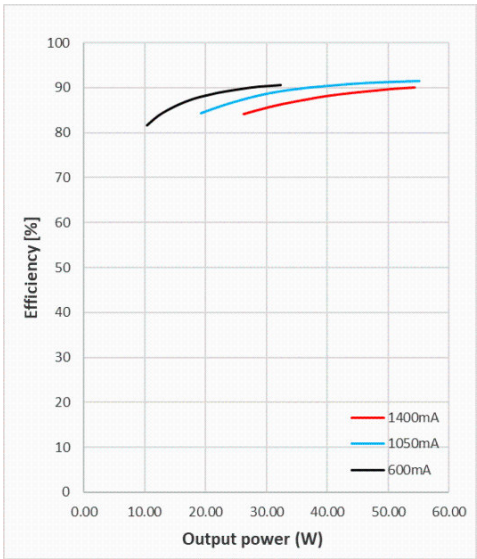
Elektromos adatok

|                                            |                             |
|--------------------------------------------|-----------------------------|
| Névleges bemeneti feszültség               | 220...240 V                 |
| Hálózati frekvencia [calc.]                | 0,50,60 Hz                  |
| Bemeneti feszültség, AC                    | 198...264 V <sup>1)</sup>   |
| Bemeneti feszültség DC                     | 176...276 V                 |
| Teljes harmonikus torzítás                 | < 10 % <sup>2)</sup>        |
| Teljesítménytényező, λ                     | 064C...098                  |
| Efficiency in full-load                    | 90 % <sup>3)</sup>          |
| Készülék vesztesége                        | -                           |
| Bemelegedési áram                          | 20 A <sup>4)</sup>          |
| Megszakítón megengedett előtét db 10 A (B) | 12                          |
| Megszakítón megengedett előtét db 16 A (B) | 20                          |
| Lökőfeszültség-állóság, (L/N-föld)         | 2 kV                        |
| Lökőfeszültség-állóság, (L-N)              | 1 kV                        |
| Névleges kimeneti feszültség               | 15...54 V <sup>5)</sup>     |
| U-OUT (üzemi feszültség)                   | 60 V                        |
| Névleges kimeneti áram                     | 600...1400 mA <sup>6)</sup> |
| Default output current                     | 1050 mA                     |
| Galvanikus elválasztás primer/szekunder    | SELV                        |
| Galvanic isolation DALI/mains              | Basic                       |
| Galvanic isolation DALI/output             | SELV                        |
| Current set                                | DALI / NFC                  |
| Kimeneti áram tűrés                        | ±3 %                        |
| Kimeneti ripple áram (100 Hz)              | < 5 % <sup>7)</sup>         |
| Output PSTLM                               | ≤1                          |
| Output SVM                                 | ≤0.4                        |
| Névleges kimeneti teljesítmény             | 55 W <sup>8)</sup>          |
| Legnagyobb kimenő teljesítmény             | 55 W <sup>8)</sup>          |
| Networked standby power [PIM]              | ≤0.19 W <sup>3)</sup>       |

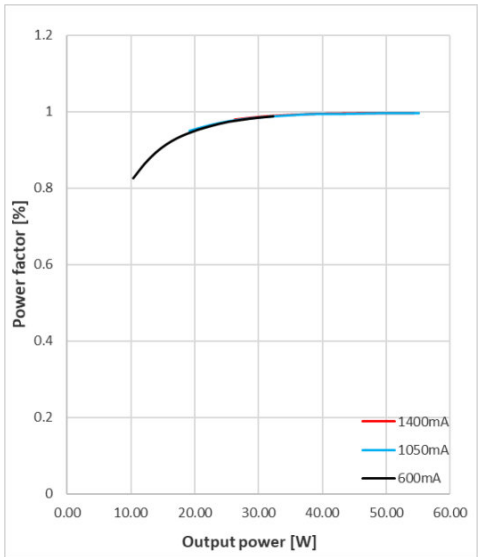
1) Permitted voltage range  
2) At full load, 220...240 V, 50 Hz / see graphs  
3) at 230 V, 50 Hz  
4)  $t_{szélesség} = 200 \mu s$  (mérve: 50 %  $I_{peak}$ )  
5) Maximum 60 V  
6) ±3%  
7) Ripple average at 100 Hz  
8) Partial load 9...55 W



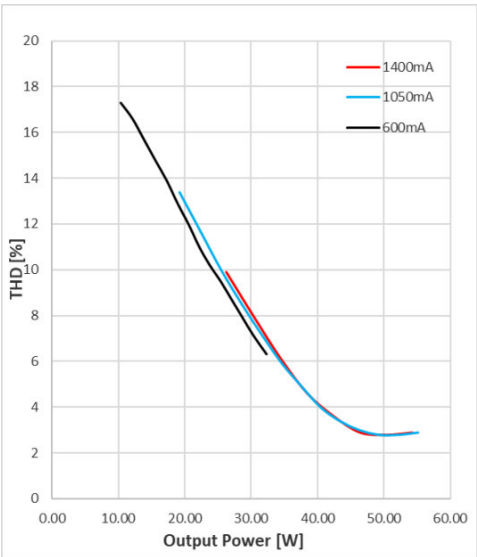
OTI DALI 50 NFC LP Operating window



OTI DALI 50 NFC LP Typical Efficiency vs. Load (230 V 50 Hz)

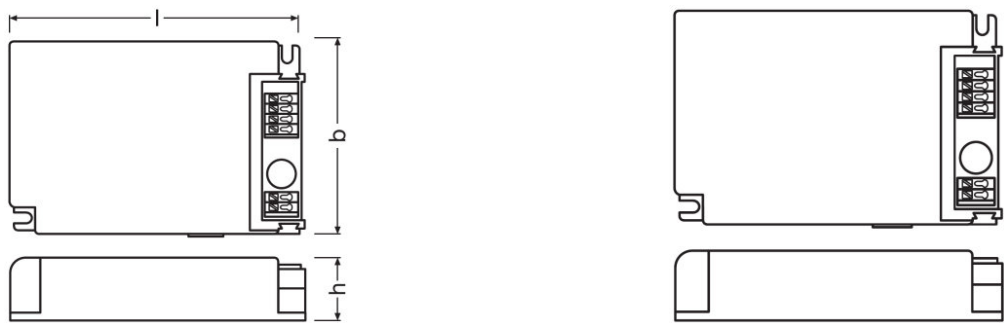


OTI DALI 50 NFC LP Typical Power Factor vs. Load



OTI DALI 50 NFC LP Typical THD Vs Load

Méretetek és súly



|                                        |                                         |
|----------------------------------------|-----------------------------------------|
| Szerelési furattávolság, hosszúság     | 94,0 mm                                 |
| Szerelési furattávolság, szélesség     | 58,0 mm                                 |
| Termék súlya                           | 17500 g                                 |
| Vezeték keresztmetszet, bemeneti oldal | 0,5...1,5 mm <sup>2</sup> <sup>1)</sup> |
| Vezeték keresztmetszet, kimeneti oldal | 0,5...1,5 mm <sup>2</sup> <sup>1)</sup> |
| Vezeték-előkészítési hossz, bemenet    | 7...8 mm                                |
| Vezeték-előkészítési hossz, kimenet    | 7...8 mm                                |
| Hosszúság                              | 1030 mm                                 |
| Szélesség                              | 670 mm                                  |
| Magasság                               | 225 mm                                  |

<sup>1)</sup> Solid or flexible leads

Szín és anyag

|            |         |
|------------|---------|
| Ház anyaga | Plastic |
|------------|---------|

Hőmérséklet és működési feltételek

|                                      |                        |
|--------------------------------------|------------------------|
| Környezeti hőmérséklet tartomány     | -20...+50 °C           |
| Max. hőmérséklet a tc mérőponton     | 75 °C <sup>1)</sup>    |
| Max. házhőmérséklet hibaállapotban   | 110 °C                 |
| Hőmérséklet-tartomány tároláskor     | -40...+85 °C           |
| Megengedett légnedvesség üzem közben | 5...85 % <sup>2)</sup> |

<sup>1)</sup> Maximum a Tc-ponton

<sup>2)</sup> Maximum 56 nap/év 85 %-on

Élettartam

|                                |                                |
|--------------------------------|--------------------------------|
| Elektronikus előtét élettartam | 50000 / 100000 h <sup>1)</sup> |
|--------------------------------|--------------------------------|

<sup>1)</sup> T<sub>c</sub> = 75°C, 0.2% / 1,000 h failure rate / T<sub>c</sub> = 65°C, 0.1% / 1,000 h failure rate

További termékadatok

|          |     |
|----------|-----|
| Tokozott | Nem |
|----------|-----|

Képességek

|                                       |                                       |
|---------------------------------------|---------------------------------------|
| Dimmelhető                            | Yes                                   |
| Dimmelő interfész                     | DALI-2 / Touch DIM / Touch DIM Sensor |
| Dimmelési tartomány                   | 1...100 %                             |
| Dimmelési módszer                     | Aamplitudó moduláció                  |
| Túlmelegedés védelem                  | Automatic reversible                  |
| Túlterhelés védelem                   | Automatic reversible                  |
| Zárlatvédett                          | Automatic reversible                  |
| Nem terhelés-védett                   | Yes                                   |
| Intended for no-load operation        | Nem                                   |
| Max. vezeték hossz lámpa/LED modul    | 2,0 m <sup>1)</sup>                   |
| Alkalmasság érintésvédelmi osztályhoz | I / II                                |
| Csatlakozás típusa, bemeneti oldal    | Nyomógombos kapocs                    |
| Csatlakozás típusa, kimeneti oldal    | Nyomógombos kapocs                    |
| Átmenő huzalozásra alkalmas           | Nem                                   |
| Tartalékvilágításhoz alkalmas         | Igen                                  |
| Állandó fényáram funkció              | Programozható                         |
| Programming interface                 | DALI, NFC                             |
| Control interface                     | DALI                                  |
| Detection angle (Light sensor)        | -                                     |
| Number of channels                    | 1                                     |
| DALI-2 Energy Data                    | Igen <sup>2)</sup>                    |
| DALI-2 Diagnostic Data                | Igen <sup>3)</sup>                    |

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

2) Acc. DALI part 252

3) Acc. DALI part 253

Programming

|                        |            |
|------------------------|------------|
| Box programming        | Yes        |
| Tuner4TRONIC           | Igen       |
| Tuner4TRONIC Field App | Igen       |
| Programming device     | DALI / NFC |

Programmable features

|                   |      |
|-------------------|------|
| Operating Current | Igen |
| Constant Lumen    | Igen |

Termék adatlap

|                        |                    |
|------------------------|--------------------|
| Lamp Operating Time    | Igen               |
| Driver Guard           | Igen               |
| DALI Settings          | Igen               |
| Emergency Mode         | Igen               |
| DALI-2 Luminaire Data  | Igen <sup>1)</sup> |
| Configuration Lock     | Igen               |
| Soft Switch Off        | Igen               |
| Dim to Dark            | Igen               |
| TouchDIM + Sensor      | Igen               |
| Corridor Functionality | Igen               |
| OEM Key                | Nem                |

<sup>1)</sup> Acc. DALI part 251

Tanúsítványok és szabványok

|                        |                                                                                                                                                                                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Jóváhagyási jelek      | CE / UKCA / EL / DALI-2 / EAC                                                                                                                                                                                   |
| Szabványok             | Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 61000-3-2/Acc. to EN 62384/Acc. to EN 62386/Acc. to IEC 62386-101:Ed2/Acc. to IEC 62386-102:Ed2/Acc. to IEC 62386-207:Ed1 |
| Érintésvédelmi osztály | II                                                                                                                                                                                                              |
| Védettség típusa       | IP20                                                                                                                                                                                                            |

Logisztikai adatok

|                |             |
|----------------|-------------|
| Commodity code | 85044083900 |
|----------------|-------------|

Környezetvédelmi információk

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                                                                                                    |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Date of Declaration                                                   | 21-04-2023                                                                                         |
| Primary Article Identifier                                            | 4062172224024                                                                                      |
| 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                                      | 7ddb7e17-068a-489b-99d3-99860a97aaa4                                                               |

Download Data

| File |
|------|
|------|

Termék adatlap

|                                                                                   |                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------|
|  | User instruction<br>OPTOTRONIC LED Power Supply     |
|  | CAD data<br>OTI DALI 50 NFC LP IGS 271021           |
|  | CAD data<br>OTI DALI 50 NFC LP STEP 271021          |
|  | CAD Data 2-dim<br>OTI DALI 50 NFC LP CAD2PDF 271021 |
|  | CAD data 3-dim<br>OTI DALI 50 NFC LP CAD3PDF 271021 |

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.

Logisztikai adatok

| Termékkód     | Termékmegnevezés                    | Csomagolás (darab/egység) | Méretek (hosszúság x szélesség x magasság) | Térfogat             | Bruttó súly |
|---------------|-------------------------------------|---------------------------|--------------------------------------------|----------------------|-------------|
| 4062172224024 | OTi DALI<br>50/220...240/1A4 NFC LP | Karton<br>20              | 218 mm x 124 mm x 155 mm                   | 4.19 dm <sup>3</sup> | 3613.00 g   |

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

Adatvédelem

## Termék adatlap

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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### Lemondás

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