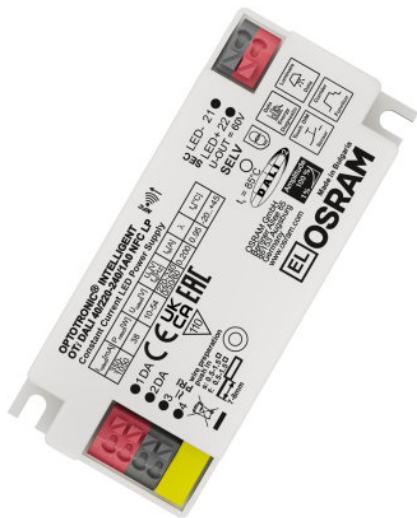


## OPTOTRONIC Intelligent – DALI NFC LP

Compact constant current LED driver – Dimmable



### Areas of application

- Suitable for downlights, spotlights and LED panels
- 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

### Product family benefits

- Small housing for flexible luminaire designs
- Versatile DALI window driver due to flexible output characteristic
- Easy and fast output current setting via NFC
- Very high efficiency
- High-quality dimming of 1...100 % by amplitude dimming
- 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



## Product family datasheet

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### Product family features

- Supply voltage: 220...240 V
- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Line voltage: 198...264 V
- Lifetime: up to 100,000 h
- Type of protection: IP20

## Product family datasheet

### Technical data

#### Electrical data

| Product description              | Nominal input voltage | Mains frequency | Input voltage AC          | Input voltage DC | Total harmonic distortion | Power factor $\lambda$     |
|----------------------------------|-----------------------|-----------------|---------------------------|------------------|---------------------------|----------------------------|
| OTi DALI 10/220...240/700 NFC    | 220...240 V           | 0/50/60 Hz      | 198...264 V <sup>1)</sup> | 176...276 V      | 15 % <sup>2)</sup>        | 0.52C...0.95 <sub>3)</sub> |
| OTi DALI 15/220...240/1A0 NFC LP | 220...240 V           | 0,50,60 Hz      | 198...264 V <sup>1)</sup> | 176...276 V      | < 10 % <sup>11)</sup>     | 0.33C...0.98               |
| OTi DALI 25/220...240/700 NFC LP | 220...240 V           | 0,50,60 Hz      | 198...264 V <sup>1)</sup> | 176...276 V      | < 10 % <sup>11)</sup>     | 0.49C...0.99               |
| OTi DALI 40/220...240/1A0 NFC LP | 220...240 V           | 0,50,60 Hz      | 198...264 V <sup>1)</sup> | 176...276 V      | < 10 % <sup>11)</sup>     | 0.70C...0.99               |
| OTi DALI 50/220...240/1A4 NFC LP | 220...240 V           | 0,50,60 Hz      | 198...264 V <sup>1)</sup> | 176...276 V      | < 10 % <sup>11)</sup>     | 0.64C...0.98               |

| Product description              | Efficiency in full-load | Device power loss | Inrush current      | Max. ECG no. on circuit breaker 10 A (B) | Max. ECG no. on circuit breaker 16 A (B) |
|----------------------------------|-------------------------|-------------------|---------------------|------------------------------------------|------------------------------------------|
| OTi DALI 10/220...240/700 NFC    | 82 % <sup>4)</sup>      | 3,5 W             | < 5 A <sup>5)</sup> | 80                                       | 130                                      |
| OTi DALI 15/220...240/1A0 NFC LP | 87,5 % <sup>4)</sup>    | -                 | 20 A <sup>12)</sup> | 82                                       | 130                                      |
| OTi DALI 25/220...240/700 NFC LP | 88 % <sup>4)</sup>      | -                 | 20 A <sup>12)</sup> | 50                                       | 80                                       |
| OTi DALI 40/220...240/1A0 NFC LP | 88 % <sup>4)</sup>      | -                 | 20 A <sup>12)</sup> | 35                                       | 55                                       |
| OTi DALI 50/220...240/1A4 NFC LP | 90 % <sup>4)</sup>      | -                 | 20 A <sup>16)</sup> | 12                                       | 20                                       |

| Product description              | Max. ECG no. on circuit breaker 25 A (B) | Surge capability (L/N-Ground) | Surge capability (L-N) | Nominal output voltage   | U-OUT (working voltage) |
|----------------------------------|------------------------------------------|-------------------------------|------------------------|--------------------------|-------------------------|
| OTi DALI 10/220...240/700 NFC    | -                                        | 2 kV                          | 1 kV                   | 2,5...45 V <sup>6)</sup> | 60 V                    |
| OTi DALI 15/220...240/1A0 NFC LP |                                          | 2 kV                          | 1 kV                   | 10...54 V <sup>6)</sup>  | 60 V                    |
| OTi DALI 25/220...240/700 NFC LP |                                          | 2 kV                          | 1 kV                   | 10...54 V <sup>6)</sup>  | 60 V                    |
| OTi DALI 40/220...240/1A0 NFC LP |                                          | 2 kV                          | 1 kV                   | 10...54 V <sup>6)</sup>  | 60 V                    |
| OTi DALI 50/220...240/1A4 NFC LP |                                          | 2 kV                          | 1 kV                   | 15...54 V <sup>6)</sup>  | 60 V                    |

| Product description              | Nominal output current      | Default output current | Galvanic isolation primary/secondary |
|----------------------------------|-----------------------------|------------------------|--------------------------------------|
| OTi DALI 10/220...240/700 NFC    | 150...700 mA <sub>7)</sub>  | 350 mA                 | SELV                                 |
| OTi DALI 15/220...240/1A0 NFC LP | 150...1050 mA <sub>7)</sub> | 350 mA                 | SELV                                 |
| OTi DALI 25/220...240/700 NFC LP | 180...700 mA <sub>7)</sub>  | 500 mA                 | SELV                                 |
| OTi DALI 40/220...240/1A0 NFC LP | 350...1050 mA <sub>7)</sub> | 700 mA                 | SELV                                 |
| OTi DALI 50/220...240/1A4 NFC LP | 600...1400 mA <sub>7)</sub> | 1050 mA                | SELV                                 |

| Product description              | Galvanic isolation DALI/mains | Galvanic isolation DALI/output | Current set |
|----------------------------------|-------------------------------|--------------------------------|-------------|
| OTi DALI 10/220...240/700 NFC    | Basic                         | SELV                           | DALI / NFC  |
| OTi DALI 15/220...240/1A0 NFC LP | Basic                         | SELV                           | DALI / NFC  |
| OTi DALI 25/220...240/700 NFC LP | Basic                         | SELV                           | DALI / NFC  |
| OTi DALI 40/220...240/1A0 NFC LP | Basic                         | SELV                           | DALI / NFC  |

## Product family datasheet

| Product description              | Galvanic isolation DALI/mains | Galvanic isolation DALI/output | Current set |
|----------------------------------|-------------------------------|--------------------------------|-------------|
| OTi DALI 50/220...240/1A4 NFC LP | Basic                         | SELV                           | DALI / NFC  |

| Product description              | Output current tolerance | Output ripple current (100 Hz) | Output PSTLM |
|----------------------------------|--------------------------|--------------------------------|--------------|
| OTi DALI 10/220...240/700 NFC    | ±3 %                     | < 2 % <sup>8)</sup>            | ≤1           |
| OTi DALI 15/220...240/1A0 NFC LP | ±3 %                     | < 3 % <sup>8)</sup>            | ≤1           |
| OTi DALI 25/220...240/700 NFC LP | ±3 %                     | < 3 % <sup>8)</sup>            | ≤1           |
| OTi DALI 40/220...240/1A0 NFC LP | ±3 %                     | < 3 % <sup>8)</sup>            | ≤1           |
| OTi DALI 50/220...240/1A4 NFC LP | ±3 %                     | < 5 % <sup>8)</sup>            | ≤1           |

| Product description              | Output SVM | Nominal output power | Maximum output power | Power loss in stand-by mode |
|----------------------------------|------------|----------------------|----------------------|-----------------------------|
| OTi DALI 10/220...240/700 NFC    | ≤0.4       | 10 W <sup>9)</sup>   | 10 W <sup>10)</sup>  | ≤0.15 W                     |
| OTi DALI 15/220...240/1A0 NFC LP | ≤0.4       | 18 W <sup>13)</sup>  | 18 W <sup>13)</sup>  |                             |
| OTi DALI 25/220...240/700 NFC LP | ≤0.4       | 27 W <sup>14)</sup>  | 27 W <sup>14)</sup>  |                             |
| OTi DALI 40/220...240/1A0 NFC LP | ≤0.4       | 38 W <sup>15)</sup>  | 38 W <sup>15)</sup>  |                             |
| OTi DALI 50/220...240/1A4 NFC LP | ≤0.4       | 55 W <sup>17)</sup>  | 55 W <sup>17)</sup>  |                             |

| Product description              | Networked standby power |
|----------------------------------|-------------------------|
| OTi DALI 10/220...240/700 NFC    | ≤0.15 W <sup>4)</sup>   |
| OTi DALI 15/220...240/1A0 NFC LP | 0.13 W <sup>4)</sup>    |
| OTi DALI 25/220...240/700 NFC LP | 0.13 W <sup>4)</sup>    |
| OTi DALI 40/220...240/1A0 NFC LP | 0.13 W <sup>4)</sup>    |
| OTi DALI 50/220...240/1A4 NFC LP | ≤0.19 W <sup>4)</sup>   |

<sup>1)</sup> Permitted voltage range

<sup>2)</sup> At full load, 220...240 V, 50 Hz

<sup>3)</sup> Full load at 220...240 V<sub>AC</sub>/50 Hz

<sup>4)</sup> at 230 V, 50 Hz

<sup>5)</sup>  $t_{\text{width}} = 100 \mu\text{s}$  (measured at 50 %  $I_{\text{peak}}$ )

<sup>6)</sup> Maximum 60 V

<sup>7)</sup> ±3%

<sup>8)</sup> Ripple average at 100 Hz

<sup>9)</sup> Partial load 1.5...10 W

<sup>10)</sup> Partial load 1.5...10 W

<sup>11)</sup> At full load, 220...240 V, 50 Hz / see graphs

<sup>12)</sup>  $t_{\text{width}} = 25 \mu\text{s}$  (measured at 50 %  $I_{\text{peak}}$ )

<sup>13)</sup> Partial load 3...18 W

<sup>14)</sup> Partial load 3.6...27 W

<sup>15)</sup> Partial load 7...38 W

<sup>16)</sup>  $t_{\text{width}} = 200 \mu\text{s}$  (measured at 50 %  $I_{\text{peak}}$ )

<sup>17)</sup> Partial load 9...55 W

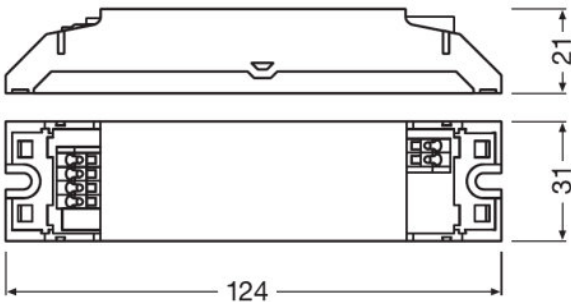
Dimensions & weight

| Product description              | Mounting hole spacing, length | Product weight | Cable cross-section, input side | Cable cross-section, output side | Wire preparation length, input side |
|----------------------------------|-------------------------------|----------------|---------------------------------|----------------------------------|-------------------------------------|
| OTi DALI 10/220...240/700 NFC    | 115.0 mm                      | 58.00 g        | 0.5...1.5 mm <sup>2 1)</sup>    | 0.5...1.5 mm <sup>2 1)</sup>     | 7...8 mm                            |
| OTi DALI 15/220...240/1A0 NFC LP | 88.0 mm                       | 120.00 g       | 0.5...1.5 mm <sup>2 1)</sup>    | 0.5...1.5 mm <sup>2 1)</sup>     | 7...8 mm                            |
| OTi DALI 25/220...240/700 NFC LP | 88.0 mm                       | 120.00 g       | 0.5...1.5 mm <sup>2 1)</sup>    | 0.5...1.5 mm <sup>2 1)</sup>     | 7...8 mm                            |
| OTi DALI 40/220...240/1A0 NFC LP | 88.0 mm                       | 130.00 g       | 0.5...1.5 mm <sup>2 1)</sup>    | 0.5...1.5 mm <sup>2 1)</sup>     | 7...8 mm                            |
| OTi DALI 50/220...240/1A4 NFC LP | 94.0 mm                       | 175.00 g       | 0.5...1.5 mm <sup>2 1)</sup>    | 0.5...1.5 mm <sup>2 1)</sup>     | 7...8 mm                            |

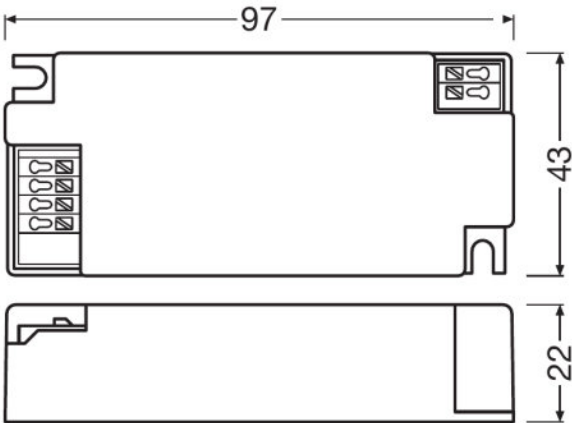
| Product description              | Wire preparation length, output side | Width   | Length   | Height  | Mounting hole spacing, width |
|----------------------------------|--------------------------------------|---------|----------|---------|------------------------------|
| OTi DALI 10/220...240/700 NFC    | 7...8 mm                             | 31.0 mm | 124.0 mm | 21.0 mm |                              |
| OTi DALI 15/220...240/1A0 NFC LP | 7...8 mm                             | 42.5 mm | 97.0 mm  | 22.0 mm | 34.0 mm                      |
| OTi DALI 25/220...240/700 NFC LP | 7...8 mm                             | 42.5 mm | 97.0 mm  | 22.0 mm | 34.0 mm                      |
| OTi DALI 40/220...240/1A0 NFC LP | 7...8 mm                             | 42.5 mm | 97.0 mm  | 22.0 mm | 34.0 mm                      |
| OTi DALI 50/220...240/1A4 NFC LP | 7...8 mm                             | 67.0 mm | 103.0 mm | 22.5 mm | 58.0 mm                      |

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

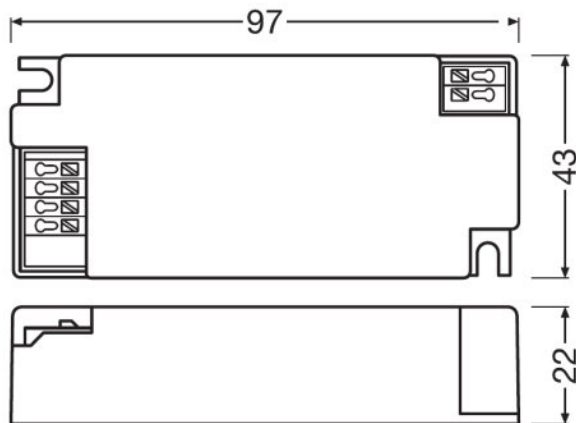
Product line drawing



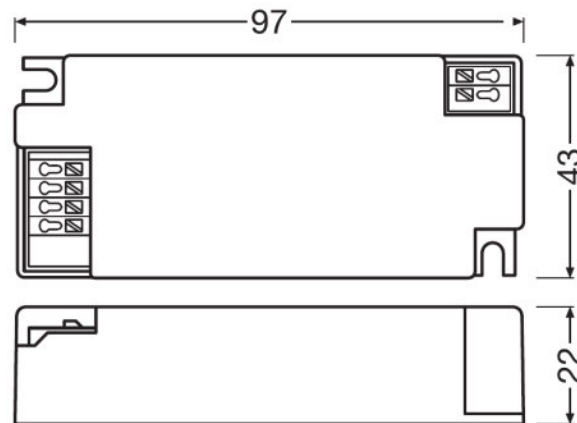
OTi DALI 10/220...240/700 NFC



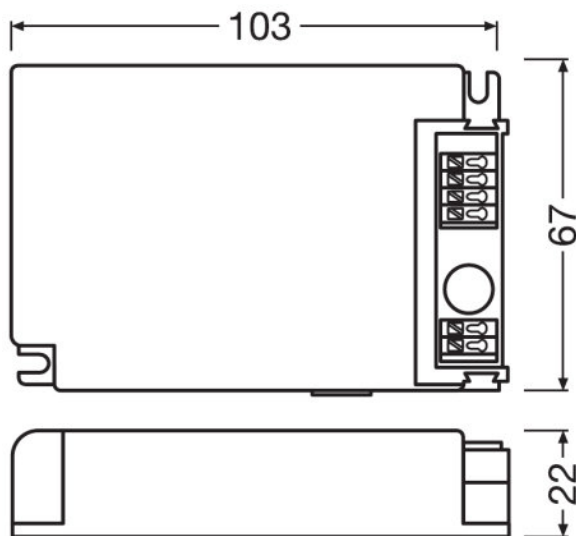
OTi DALI 15/220...240/1A0 NFC LP



OTi DALI 25/220...240/700 NFC LP



OTi DALI 40/220...240/1A0 NFC LP



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

Colors & materials

| Product description              | Casing material |
|----------------------------------|-----------------|
| OTi DALI 10/220...240/700 NFC    | Plastic         |
| OTi DALI 15/220...240/1A0 NFC LP | Plastic         |
| OTi DALI 25/220...240/700 NFC LP | Plastic         |
| OTi DALI 40/220...240/1A0 NFC LP | Plastic         |
| OTi DALI 50/220...240/1A4 NFC LP | Plastic         |

Temperatures & operating conditions

| Product description              | Ambient temperature range | Maximum temperature at tc test point | Max.housing temperature in case of fault | Temperature range at storage |
|----------------------------------|---------------------------|--------------------------------------|------------------------------------------|------------------------------|
| OTi DALI 10/220...240/700 NFC    | -20...+50 °C              | 75 °C <sup>1)</sup>                  | 110 °C                                   | -40...+85 °C                 |
| OTi DALI 15/220...240/1A0 NFC LP | -20...+50 °C              | 80 °C <sup>1)</sup>                  | 110 °C                                   | -40...+85 °C                 |
| OTi DALI 25/220...240/700 NFC LP | -20...+50 °C              | 85 °C <sup>1)</sup>                  | 110 °C                                   | -40...+85 °C                 |
| OTi DALI 40/220...240/1A0 NFC LP | -20...+45 °C              | 85 °C <sup>1)</sup>                  | 110 °C                                   | -40...+85 °C                 |
| OTi DALI 50/220...240/1A4 NFC LP | -20...+50 °C              | 75 °C <sup>1)</sup>                  | 110 °C                                   | -40...+85 °C                 |

| Product description              | Permitted rel. humidity during operation |
|----------------------------------|------------------------------------------|
| OTi DALI 10/220...240/700 NFC    | 5...85 % <sup>2)</sup>                   |
| OTi DALI 15/220...240/1A0 NFC LP | 5...85 % <sup>2)</sup>                   |
| OTi DALI 25/220...240/700 NFC LP | 5...85 % <sup>2)</sup>                   |
| OTi DALI 40/220...240/1A0 NFC LP | 5...85 % <sup>2)</sup>                   |
| OTi DALI 50/220...240/1A4 NFC LP | 5...85 % <sup>2)</sup>                   |

<sup>1)</sup> Maximum at the Tc-point

<sup>2)</sup> Maximum 56 days/year at 85 %

Lifespan

| Product description              | ECG lifetime                   |
|----------------------------------|--------------------------------|
| OTi DALI 10/220...240/700 NFC    | 50000 / 100000 h <sup>1)</sup> |
| OTi DALI 15/220...240/1A0 NFC LP | 50000 / 100000 h <sup>2)</sup> |
| OTi DALI 25/220...240/700 NFC LP | 50000 / 100000 h <sup>3)</sup> |
| OTi DALI 40/220...240/1A0 NFC LP | 50000 / 100000 h <sup>3)</sup> |
| OTi DALI 50/220...240/1A4 NFC LP | 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

<sup>2)</sup> T<sub>c</sub> = 80°C, 0.2% / 1,000 h failure rate / T<sub>c</sub> = 70°C, 0.1% / 1,000 h failure rate

<sup>3)</sup> T<sub>c</sub> = 85°C, 0.2% / 1,000 h failure rate / T<sub>c</sub> = 75°C, 0.1% / 1,000 h failure rate

## Product family datasheet

### Additional product data

| Product description              | Encapsulated | Predecessor EAN |
|----------------------------------|--------------|-----------------|
| OTi DALI 10/220...240/700 NFC    | No           | 4062172143899   |
| OTi DALI 15/220...240/1A0 NFC LP | No           |                 |
| OTi DALI 25/220...240/700 NFC LP | No           |                 |
| OTi DALI 40/220...240/1A0 NFC LP | No           |                 |
| OTi DALI 50/220...240/1A4 NFC LP | No           |                 |

### Capabilities

| Product description              | Dimmable | Dimming interface                     | Dimming range | Dimming method       |
|----------------------------------|----------|---------------------------------------|---------------|----------------------|
| OTi DALI 10/220...240/700 NFC    | Yes      | DALI-2 / Touch DIM / Touch DIM Sensor | 1...100 %     | Amplitude Modulation |
| OTi DALI 15/220...240/1A0 NFC LP | Yes      | DALI-2 / Touch DIM / Touch DIM Sensor | 1...100 %     | Amplitude Modulation |
| OTi DALI 25/220...240/700 NFC LP | Yes      | DALI-2 / Touch DIM / Touch DIM Sensor | 1...100 %     | Amplitude Modulation |
| OTi DALI 40/220...240/1A0 NFC LP | Yes      | DALI-2 / Touch DIM / Touch DIM Sensor | 1...100 %     | Amplitude Modulation |
| OTi DALI 50/220...240/1A4 NFC LP | Yes      | DALI-2 / Touch DIM / Touch DIM Sensor | 1...100 %     | Amplitude Modulation |

| Product description              | Overheating protection | Overload protection  | Short-circuit protection | No-load proof |
|----------------------------------|------------------------|----------------------|--------------------------|---------------|
| OTi DALI 10/220...240/700 NFC    | Automatic reversible   | Automatic reversible | Automatic reversible     | Yes           |
| OTi DALI 15/220...240/1A0 NFC LP | Automatic reversible   | Automatic reversible | Automatic reversible     | Yes           |
| OTi DALI 25/220...240/700 NFC LP | Automatic reversible   | Automatic reversible | Automatic reversible     | Yes           |
| OTi DALI 40/220...240/1A0 NFC LP | Automatic reversible   | Automatic reversible | Automatic reversible     | Yes           |
| OTi DALI 50/220...240/1A4 NFC LP | Automatic reversible   | Automatic reversible | Automatic reversible     | Yes           |

| Product description              | Intended for no-load operation | Max. cable length to lamp/LED module | Suitable for fixtures with prot. class | Type of connection, input side |
|----------------------------------|--------------------------------|--------------------------------------|----------------------------------------|--------------------------------|
| OTi DALI 10/220...240/700 NFC    | No                             | 2.0 m <sup>1)</sup>                  | I / II                                 | Push terminal                  |
| OTi DALI 15/220...240/1A0 NFC LP | No                             | 2.0 m <sup>1)</sup>                  | I / II                                 | Push terminal                  |
| OTi DALI 25/220...240/700 NFC LP | No                             | 2.0 m <sup>1)</sup>                  | I / II                                 | Push terminal                  |
| OTi DALI 40/220...240/1A0 NFC LP | No                             | 2.0 m <sup>1)</sup>                  | I / II                                 | Push terminal                  |
| OTi DALI 50/220...240/1A4 NFC LP | No                             | 2.0 m <sup>1)</sup>                  | I / II                                 | Push terminal                  |

| Product description              | Type of connection, output side | Control interface | Suitable for through-wiring |
|----------------------------------|---------------------------------|-------------------|-----------------------------|
| OTi DALI 10/220...240/700 NFC    | Push terminal                   | DALI              | No                          |
| OTi DALI 15/220...240/1A0 NFC LP | Push terminal                   | DALI              | No                          |
| OTi DALI 25/220...240/700 NFC LP | Push terminal                   | DALI-2            | No                          |
| OTi DALI 40/220...240/1A0 NFC LP | Push terminal                   | DALI              | No                          |
| OTi DALI 50/220...240/1A4 NFC LP | Push terminal                   | DALI              | No                          |

## Product family datasheet

| Product description              | Number of channels | DALI-2 Energy Data | DALI-2 Diagnostic Data | Suitable for emergency lighting |
|----------------------------------|--------------------|--------------------|------------------------|---------------------------------|
| OTi DALI 10/220...240/700 NFC    | 1                  | Yes <sup>2)</sup>  | Yes <sup>3)</sup>      | Yes                             |
| OTi DALI 15/220...240/1A0 NFC LP | 1                  | Yes <sup>2)</sup>  | Yes <sup>3)</sup>      | Yes                             |
| OTi DALI 25/220...240/700 NFC LP | 1                  | Yes <sup>2)</sup>  | Yes <sup>3)</sup>      | Yes                             |
| OTi DALI 40/220...240/1A0 NFC LP | 1                  | Yes <sup>2)</sup>  | Yes <sup>3)</sup>      | Yes                             |
| OTi DALI 50/220...240/1A4 NFC LP | 1                  | Yes <sup>2)</sup>  | Yes <sup>3)</sup>      | Yes                             |

| Product description              | Constant lumen function | Programming interface |
|----------------------------------|-------------------------|-----------------------|
| OTi DALI 10/220...240/700 NFC    | Programmable            | DALI, NFC             |
| OTi DALI 15/220...240/1A0 NFC LP | Programmable            | DALI, NFC             |
| OTi DALI 25/220...240/700 NFC LP | Programmable            | DALI, NFC             |
| OTi DALI 40/220...240/1A0 NFC LP | Programmable            | DALI, NFC             |
| OTi DALI 50/220...240/1A4 NFC LP | Programmable            | DALI, NFC             |

<sup>1)</sup> Output wires must be routed as close as possible to each other

<sup>2)</sup> Acc. DALI part 252

<sup>3)</sup> Acc. DALI part 253

### Programming

| Product description              | Tuner4TRONIC | Tuner4TRONIC Field App | Programming device |
|----------------------------------|--------------|------------------------|--------------------|
| OTi DALI 10/220...240/700 NFC    | Yes          | Yes                    | DALI / NFC         |
| OTi DALI 15/220...240/1A0 NFC LP | Yes          | Yes                    | DALI / NFC         |
| OTi DALI 25/220...240/700 NFC LP | Yes          | Yes                    | DALI / NFC         |
| OTi DALI 40/220...240/1A0 NFC LP | Yes          | Yes                    | DALI / NFC         |
| OTi DALI 50/220...240/1A4 NFC LP | Yes          | Yes                    | DALI / NFC         |

| Product description              | Box programming |
|----------------------------------|-----------------|
| OTi DALI 10/220...240/700 NFC    |                 |
| OTi DALI 15/220...240/1A0 NFC LP | Yes             |
| OTi DALI 25/220...240/700 NFC LP | Yes             |
| OTi DALI 40/220...240/1A0 NFC LP | Yes             |
| OTi DALI 50/220...240/1A4 NFC LP | Yes             |

### Programmable features

| Product description              | DALI Settings | Operating Current | OEM Key |
|----------------------------------|---------------|-------------------|---------|
| OTi DALI 10/220...240/700 NFC    | Yes           | Yes               | No      |
| OTi DALI 15/220...240/1A0 NFC LP | Yes           | Yes               | No      |
| OTi DALI 25/220...240/700 NFC LP | Yes           | Yes               | No      |
| OTi DALI 40/220...240/1A0 NFC LP | Yes           | Yes               | No      |
| OTi DALI 50/220...240/1A4 NFC LP | Yes           | Yes               | No      |

| Product description              | Corridor Functionality | TouchDIM + Sensor | Dim to Dark |
|----------------------------------|------------------------|-------------------|-------------|
| OTi DALI 10/220...240/700 NFC    | Yes                    | Yes               | Yes         |
| OTi DALI 15/220...240/1A0 NFC LP | Yes                    | Yes               | Yes         |

Product family datasheet

| Product description              | Corridor Functionality | TouchDIM + Sensor   | Dim to Dark           |
|----------------------------------|------------------------|---------------------|-----------------------|
| OTi DALI 25/220...240/700 NFC LP | Yes                    | Yes                 | Yes                   |
| OTi DALI 40/220...240/1A0 NFC LP | Yes                    | Yes                 | Yes                   |
| OTi DALI 50/220...240/1A4 NFC LP | Yes                    | Yes                 | Yes                   |
| Product description              | Soft Switch Off        | Configuration Lock  | DALI-2 Luminaire Data |
| OTi DALI 10/220...240/700 NFC    | Yes                    | Yes                 | Yes <sup>1)</sup>     |
| OTi DALI 15/220...240/1A0 NFC LP | Yes                    | Yes                 | Yes <sup>1)</sup>     |
| OTi DALI 25/220...240/700 NFC LP | Yes                    | Yes                 | Yes <sup>1)</sup>     |
| OTi DALI 40/220...240/1A0 NFC LP | Yes                    | Yes                 | Yes <sup>1)</sup>     |
| OTi DALI 50/220...240/1A4 NFC LP | Yes                    | Yes                 | Yes <sup>1)</sup>     |
| Product description              | Emergency Mode         | Lamp Operating Time | Constant Lumen        |
| OTi DALI 10/220...240/700 NFC    | Yes                    | Yes                 | Yes                   |
| OTi DALI 15/220...240/1A0 NFC LP | Yes                    | Yes                 | Yes                   |
| OTi DALI 25/220...240/700 NFC LP | Yes                    | Yes                 | Yes                   |
| OTi DALI 40/220...240/1A0 NFC LP | Yes                    | Yes                 | Yes                   |
| OTi DALI 50/220...240/1A4 NFC LP | Yes                    | Yes                 | Yes                   |
| Product description              | Driver Guard           |                     |                       |
| OTi DALI 10/220...240/700 NFC    | Yes                    |                     |                       |
| OTi DALI 15/220...240/1A0 NFC LP | Yes                    |                     |                       |
| OTi DALI 25/220...240/700 NFC LP | Yes                    |                     |                       |
| OTi DALI 40/220...240/1A0 NFC LP | Yes                    |                     |                       |
| OTi DALI 50/220...240/1A4 NFC LP | Yes                    |                     |                       |

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

## Certificates & standards

| Product description              | Approval marks – approval                                 | Standards                                                                                                                                                                                                       | Protection class | Type of protection |
|----------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------|
| OTi DALI 10/220...240/700 NFC    | ENEC 10 / VDE / EL / CE / UKCA / DALI-2 / CCC / RCM / EAC | 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 | II               | IP20               |
| OTi DALI 15/220...240/1A0 NFC LP | CE / UKCA / EL / DALI-2 / EAC                             | 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 | II               | IP20               |
| OTi DALI 25/220...240/700 NFC LP | CE / UKCA / EL / DALI-2 / EAC                             | 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 | II               | IP20               |
| OTi DALI 40/220...240/1A0 NFC LP | CE / UKCA / EL / DALI-2 / EAC                             | 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 | II               | IP20               |
| OTi DALI 50/220...240/1A4 NFC LP | CE / UKCA / EL / DALI-2 / EAC                             | 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 | II               | IP20               |

Product family datasheet

Logistical data

| Product description              | Commodity code |
|----------------------------------|----------------|
| OTi DALI 10/220...240/700 NFC    | 85044083900    |
| OTi DALI 15/220...240/1A0 NFC LP | 85044083900    |
| OTi DALI 25/220...240/700 NFC LP | 85044083900    |
| OTi DALI 40/220...240/1A0 NFC LP | 85044083900    |
| OTi DALI 50/220...240/1A4 NFC LP | 85044083900    |

Environmental information  
Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

| Product description              | Date of Declaration | Primary Article Identifier | Candidate List Substance 1 |
|----------------------------------|---------------------|----------------------------|----------------------------|
| OTi DALI 10/220...240/700 NFC    | 02-06-2023          | 4062172250269              | Lead                       |
| OTi DALI 15/220...240/1A0 NFC LP | 21-04-2023          | 4062172227674              | Lead                       |
| OTi DALI 25/220...240/700 NFC LP | 21-04-2023          | 4062172227698              | Lead                       |
| OTi DALI 40/220...240/1A0 NFC LP | 21-04-2023          | 4062172227711              | Lead                       |
| OTi DALI 50/220...240/1A4 NFC LP | 21-04-2023          | 4062172224024              | Lead                       |

| Product description              | CAS No. of substance 1 | Safe Use Instruction                                                                               | Declaration No. in SCIP database     |
|----------------------------------|------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------|
| OTi DALI 10/220...240/700 NFC    | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | d0c23a1f-92e6-4dfd-b602-7875f159968f |
| OTi DALI 15/220...240/1A0 NFC LP | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 668ca664-22f7-4d6e-8dfe-a0c632395311 |
| OTi DALI 25/220...240/700 NFC LP | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 93b7f05f-ad9e-4c94-8605-29b88ce435d5 |
| OTi DALI 40/220...240/1A0 NFC LP | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | bb767afb-334c-4417-96fd-bd5af49cf8cc |
| OTi DALI 50/220...240/1A4 NFC LP | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 7ddb7e17-068a-489b-99d3-99860a97aaa4 |

Application advice

For more detailed application information and graphics please see product datasheet.

Sales and Technical Support

## Product family datasheet

Sales and Technical Support [www.osram.com](http://www.osram.com)

### Download Data

| File                                                                                |                                                                     |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------|
|    | User instruction<br>OPTOTRONIC LED Power Supply OTi DALI 10 700 NFC |
|    | Certificates<br>OT ENEC 40038447 260623                             |
|    | Declarations of conformity<br>OTI DALI NFC UK DoC 4291512 240221    |
|    | CAD data<br>OTI DALI 10 NFC IGS 140120                              |
|    | CAD data<br>OTI DALI 10 NFC STEP 140120                             |
|    | CAD Data 2-dim<br>OTI DALI 10 NFC CAD2PDF 140120                    |
|   | CAD data 3-dim<br>OTI DALI 10 NFC CAD3PDF 140120                    |
|  | User instruction<br>OPTOTRONIC LED Power Supply                     |
|  | CAD data<br>OTI DALI NFC LP IGS 240921                              |
|  | CAD data<br>OTI DALI NFC LP STEP 240921                             |
|  | CAD Data 2-dim<br>OTI DALI NFC LP CAD2PDF 240921                    |
|  | CAD data 3-dim<br>OTI DALI NFC LP CAD3PDF 240921                    |
|  | 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                 |

## Product family datasheet

### 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

| Product code  | Product description                 | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume               | Gross weight |
|---------------|-------------------------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4062172250269 | OTi DALI<br>10/220...240/700 NFC    | Shipping carton box<br>20    | 260 mm x 116 mm x 83 mm              | 2.50 dm <sup>3</sup> | 1250.00 g    |
| 4062172227674 | OTi DALI<br>15/220...240/1A0 NFC LP | Shipping carton box<br>20    | 208 mm x 122 mm x 107 mm             | 2.72 dm <sup>3</sup> | 2490.00 g    |
| 4062172227698 | OTi DALI<br>25/220...240/700 NFC LP | Shipping carton box<br>20    | 208 mm x 122 mm x 107 mm             | 2.72 dm <sup>3</sup> | 2490.00 g    |
| 4062172227711 | OTi DALI<br>40/220...240/1A0 NFC LP | Shipping carton box<br>20    | 208 mm x 122 mm x 107 mm             | 2.72 dm <sup>3</sup> | 2690.00 g    |
| 4062172224024 | OTi DALI<br>50/220...240/1A4 NFC LP | Shipping carton box<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.

### Accessories Optional

| Product description           | Accessory name         | Accessory code  |
|-------------------------------|------------------------|-----------------|
| OTi DALI 10/220...240/700 NFC | OT CABLE CLAMP N-STYLE | ▶ 4062172046732 |

### Data privacy

## Product family datasheet

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.

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### Disclaimer

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