

## CV Power supplies with DALI



### Product family features

- Dimmable via Touch DIM
- LED driver whose output power can be shared arbitrarily among the 2 or 4 channels
- Dimming range: 0.1...100 %
- Line frequency: 0 Hz | 50 Hz | 60 Hz

### Product family benefits

- Intelligent power matching thanks to Smart power supply
- Slim form factor for mounting on the cove or in linear luminaires
- No stroboscopic effect thanks to patented high PWM frequency management (> 2 kHz)
- Suitable for installation in emergency lighting systems according to EN 60598-2-22
- Available as single-channel or multi-channel with DT6 and DT8 in one device
- DALI message detection "LED Module failure"
- IP rating: IP20

### Areas of application

- Cove lighting, wall washer, corridor, handrail, luminous ceilings
- Suitable for use in luminaires of protection class I and II

## Product family datasheet

### Technical data

| Product description                   | Electrical data       |                 |                  |                           |                        |                         |
|---------------------------------------|-----------------------|-----------------|------------------|---------------------------|------------------------|-------------------------|
|                                       | Nominal input voltage | Mains frequency | Input voltage AC | Total harmonic distortion | Power factor $\lambda$ | Efficiency in full-load |
| OTi DALI 50/220-240/24 4CHDT6/8       | 220...240 V           | 50/60 Hz        | 198...264 V      | < 5 %                     | > 0.95                 | 92 % <sup>1)</sup>      |
| OTi DALI 80/220-240/24 4CHDT6/8       | 220...240 V           | 50/60 Hz        | 198...264 V      | < 5 %                     | > 0.95                 | 93 % <sup>1)</sup>      |
| OTi DALI 160/220-240/24 2CHDT6/8      | 220...240 V           | 50/60 Hz        | 198...264 V      | < 5 %                     | > 0.95                 | 93 % <sup>1)</sup>      |
| OTi DALI 50/220-240/ 24 4CH DT6/8 G3  | 220...240 V           | 50/60 Hz        | 198...264 V      | < 5 %                     | > 0.98                 | 92 % <sup>1)</sup>      |
| OTi DALI 80/220-240/ 24 4CH DT6/8 G3  | 220...240 V           | 50/60 Hz        | 198...264 V      | < 5 %                     | > 0.98                 | 93 % <sup>1)</sup>      |
| OTi DALI 160/220-240/ 24 2CH DT6/8 G3 | 220...240 V           | 50/60 Hz        | 198...264 V      | < 5 %                     | > 0.98                 | 93 % <sup>1)</sup>      |
| OTi DALI 50/220-240/24 1CH            | 220...240 V           | 50/60 Hz        | 198...264 V      | < 5 %                     | > 0.95                 | 92 % <sup>1)</sup>      |
| OTi DALI 80/220-240/24 1CH            | 220...240 V           | 50/60 Hz        | 198...264 V      | < 5 %                     | > 0.95                 | 93 % <sup>1)</sup>      |
| OTi DALI 160/220-240/24 1CH           | 220...240 V           | 50/60 Hz        | 198...264 V      | < 5 %                     | > 0.95                 | 93 % <sup>1)</sup>      |
| OTi DALI 80/220-240/24 1CH G3         | 220...240 V           | 50/60 Hz        | 198...264 V      | < 5 %                     | > 0.98                 | 93 % <sup>1)</sup>      |
| OTi DALI 50/220-240/24 1CH G3         | 220...240 V           | 50/60 Hz        | 198...264 V      | < 5 %                     | > 0.98                 | 92 % <sup>1)</sup>      |
| OTi DALI 160/220-240/24 1CH G3        | 220...240 V           | 50/60 Hz        | 198...264 V      | < 5 %                     | > 0.98                 | 93 % <sup>1)</sup>      |

| Product description                   | Device power loss | Networked standby power [GMS] | Inrush current | Max. ECG no. on circuit breaker 10 A (B) | Max. ECG no. on circuit breaker 10 A (C) |
|---------------------------------------|-------------------|-------------------------------|----------------|------------------------------------------|------------------------------------------|
| OTi DALI 50/220-240/24 4CHDT6/8       | 4.4 W             | <0.50 W <sup>1)</sup>         | 41 A           | 13                                       | 22                                       |
| OTi DALI 80/220-240/24 4CHDT6/8       | 6.0 W             | <0.50 W <sup>1)</sup>         | 46 A           | 9                                        | 15                                       |
| OTi DALI 160/220-240/24 2CHDT6/8      | 11.0 W            | <0.50 W <sup>1)</sup>         | 57 A           | 4                                        | 8                                        |
| OTi DALI 50/220-240/ 24 4CH DT6/8 G3  | 4.0 W             |                               | 41 A           | 13                                       | 22                                       |
| OTi DALI 80/220-240/ 24 4CH DT6/8 G3  | 6.0 W             |                               | 46 A           | 9                                        | 15                                       |
| OTi DALI 160/220-240/ 24 2CH DT6/8 G3 | 11 W              |                               | 57 A           | 4                                        | 8                                        |
| OTi DALI 50/220-240/24 1CH            | 4.4 W             | <0.50 W <sup>1)</sup>         | 41 A           | 13                                       | 22                                       |
| OTi DALI 80/220-240/24 1CH            | 6.0 W             | <0.50 W <sup>1)</sup>         | 46 A           | 9                                        | 15                                       |
| OTi DALI 160/220-240/24 1CH           | 11.0 W            | <0.50 W <sup>1)</sup>         | 57 A           | 4                                        | 8                                        |
| OTi DALI 80/220-240/24 1CH G3         | 6.0 W             |                               | 46 A           | 9                                        | 15                                       |
| OTi DALI 50/220-240/24 1CH G3         | 4.0 W             |                               | 41 A           | 13                                       | 22                                       |
| OTi DALI 160/220-240/24 1CH G3        | 11 W              |                               | 57 A           | 4                                        | 8                                        |

| Product description             | Max. ECG no. on circuit breaker 16 A (C) | Max. ECG no. on circuit breaker 16 A (B) | Max. ECG no. on circuit breaker 25 A (B) | Surge capability (L-N) | Nominal output voltage |
|---------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------|------------------------|
| OTi DALI 50/220-240/24 4CHDT6/8 | 36                                       | 21                                       | 33                                       | 1 kV                   | 24 V <sup>2)</sup>     |

## Product family datasheet

| Product description                      | Max. ECG no.<br>on circuit<br>breaker 16 A<br>(C) | Max. ECG no.<br>on circuit<br>breaker 16 A<br>(B) | Max. ECG no.<br>on circuit<br>breaker 25 A<br>(B) | Surge capability<br>(L-N) | Nominal output<br>voltage |
|------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------|---------------------------|
| OTi DALI 80/220-240/24 4CHDT6/8          | 25                                                | 15                                                | 23                                                | 1 kV                      | 24 V <sup>2)</sup>        |
| OTi DALI 160/220-240/24 2CHDT6/8         | 13                                                | 7                                                 | 12                                                | 1 kV                      | 24 V <sup>2)</sup>        |
| OTi DALI 50/220-240/ 24 4CH DT6/8<br>G3  | 36                                                | 21                                                | 33                                                | 1 kV                      | 24 V <sup>2)</sup>        |
| OTi DALI 80/220-240/ 24 4CH DT6/8<br>G3  | 25                                                | 15                                                | 23                                                | 1 kV                      | 24 V <sup>2)</sup>        |
| OTi DALI 160/220-240/ 24 2CH<br>DT6/8 G3 | 13                                                | 7                                                 | 12                                                | 1 kV                      | 24 V <sup>2)</sup>        |
| OTi DALI 50/220-240/24 1CH               | 36                                                | 21                                                | 33                                                | 1 kV                      | 24 V <sup>2)</sup>        |
| OTi DALI 80/220-240/24 1CH               | 25                                                | 15                                                | 23                                                | 1 kV                      | 24 V <sup>2)</sup>        |
| OTi DALI 160/220-240/24 1CH              | 13                                                | 7                                                 | 12                                                | 1 kV                      | 24 V <sup>2)</sup>        |
| OTi DALI 80/220-240/24 1CH G3            | 25                                                | 15                                                | 23                                                | 1 kV                      | 24 V <sup>2)</sup>        |
| OTi DALI 50/220-240/24 1CH G3            | 36                                                | 21                                                | 33                                                | 1 kV                      | 24 V <sup>2)</sup>        |
| OTi DALI 160/220-240/24 1CH G3           | 13                                                | 7                                                 | 12                                                | 1 kV                      | 24 V <sup>2)</sup>        |

| Product description                      | U-OUT<br>(working<br>voltage) | Nominal<br>output<br>power | Maximum output<br>power | Galvanic isolation | Galvanic isolation<br>primary/secondary |
|------------------------------------------|-------------------------------|----------------------------|-------------------------|--------------------|-----------------------------------------|
| OTi DALI 50/220-240/24 4CHDT6/8          | 24.2 V                        | 50 W                       | 50 W <sup>3)</sup>      | SELV               | 3.75 kV                                 |
| OTi DALI 80/220-240/24 4CHDT6/8          | 24.2 V                        | 80 W                       | 80 W <sup>3)</sup>      | SELV               | 3.75 kV                                 |
| OTi DALI 160/220-240/24 2CHDT6/8         | 24.2 V                        | 160 W                      | 160 W <sup>3)</sup>     | SELV               | 3.75 kV                                 |
| OTi DALI 50/220-240/ 24 4CH DT6/8<br>G3  | 24.2 V                        | 50 W                       | 50 W <sup>3)</sup>      | SELV               | 3.75 kV                                 |
| OTi DALI 80/220-240/ 24 4CH DT6/8<br>G3  | 24.2 V                        | 80 W                       | 80 W <sup>3)</sup>      | SELV               | 3.75 kV                                 |
| OTi DALI 160/220-240/ 24 2CH<br>DT6/8 G3 | 24.2 V                        | 160 W                      | 160 W <sup>3)</sup>     | SELV               | 3.75 kV                                 |
| OTi DALI 50/220-240/24 1CH               | 24.2 V                        | 50 W                       | 50 W <sup>3)</sup>      | SELV               | 3.75 kV                                 |
| OTi DALI 80/220-240/24 1CH               | 24.2 V                        | 80 W                       | 80 W <sup>3)</sup>      | SELV               | 3.75 kV                                 |
| OTi DALI 160/220-240/24 1CH              | 24.2 V                        | 160 W                      | 160 W <sup>3)</sup>     | SELV               | 3.75 kV                                 |
| OTi DALI 80/220-240/24 1CH G3            | 24.2 V                        | 80 W                       | 80 W <sup>3)</sup>      | SELV               | 3.75 kV                                 |
| OTi DALI 50/220-240/24 1CH G3            | 24.2 V                        | 50 W                       | 50 W <sup>3)</sup>      | SELV               | 3.75 kV                                 |
| OTi DALI 160/220-240/24 1CH G3           | 24.2 V                        | 160 W                      | 160 W <sup>3)</sup>     | SELV               | 3.75 kV                                 |

| Product description             | Output PWM<br>frequency | Output ripple Voltage<br>(100 Hz) | Input voltage<br>DC | Surge capability<br>(L/N-Ground) | Dimensi<br>ons &<br>weight              |
|---------------------------------|-------------------------|-----------------------------------|---------------------|----------------------------------|-----------------------------------------|
|                                 |                         |                                   |                     |                                  | Mountin<br>g hole<br>spacing,<br>length |
| OTi DALI 50/220-240/24 4CHDT6/8 | > 2000 Hz               | < 1 %                             | 176...276 V         |                                  | 300.6<br>mm                             |
| OTi DALI 80/220-240/24 4CHDT6/8 | > 2000 Hz               | < 1 %                             | 176...276 V         |                                  | 300.6<br>mm                             |

## Product family datasheet

| Product description                   | Output PWM frequency | Output ripple Voltage (100 Hz) | Input voltage DC | Surge capability (L/N-Ground) | Dimensions & weight           |
|---------------------------------------|----------------------|--------------------------------|------------------|-------------------------------|-------------------------------|
|                                       |                      |                                |                  |                               | Mounting hole spacing, length |
| OTi DALI 160/220-240/24 2CHDT6/8      | > 2000 Hz            | < 1 %                          | 176...276 V      |                               | 258.0 mm                      |
| OTi DALI 50/220-240/ 24 4CH DT6/8 G3  | > 2000 Hz            | < 1 %                          | 176...276 V      | 2 kV                          | 300.6 mm                      |
| OTi DALI 80/220-240/ 24 4CH DT6/8 G3  | > 2000 Hz            | < 1 %                          | 176...276 V      | 2 kV                          | 300.6 mm                      |
| OTi DALI 160/220-240/ 24 2CH DT6/8 G3 | > 2000 Hz            | < 1 %                          | 176...276 V      | 2 kV                          | 258.0 mm                      |
| OTi DALI 50/220-240/24 1CH            | > 2000 Hz            | < 1 %                          | 176...276 V      |                               | 300.6 mm                      |
| OTi DALI 80/220-240/24 1CH            | > 2000 Hz            | < 1 %                          | 176...276 V      |                               | 300.6 mm                      |
| OTi DALI 160/220-240/24 1CH           | > 2000 Hz            | < 1 %                          | 176...276 V      |                               | 258.0 mm                      |
| OTi DALI 80/220-240/24 1CH G3         | > 2000 Hz            | < 1 %                          | 176...276 V      | 2 kV                          | 300.6 mm                      |
| OTi DALI 50/220-240/24 1CH G3         | > 2000 Hz            | < 1 %                          | 176...276 V      | 2 kV                          | 300.6 mm                      |
| OTi DALI 160/220-240/24 1CH G3        | > 2000 Hz            | < 1 %                          | 176...276 V      | 2 kV                          | 258.0 mm                      |

| Product description                   | Product weight | Cable cross-section, input side | Cable cross-section, output side | Wire preparation length, input side | Wire preparation length, output side |
|---------------------------------------|----------------|---------------------------------|----------------------------------|-------------------------------------|--------------------------------------|
| OTi DALI 50/220-240/24 4CHDT6/8       | 191.00 g       | 0.5...2.5 mm <sup>2</sup>       | 0.2...1.5 mm <sup>2</sup>        | 6.0 mm                              | 5.0 mm                               |
| OTi DALI 80/220-240/24 4CHDT6/8       | 191.00 g       | 0.5...2.5 mm <sup>2</sup>       | 0.2...1.5 mm <sup>2</sup>        | 6.0 mm                              | 5.0 mm                               |
| OTi DALI 160/220-240/24 2CHDT6/8      | 380.00 g       | 0.5...2.5 mm <sup>2</sup>       | 0.5...2.5 mm <sup>2</sup>        | 6.0 mm                              | 6.0 mm                               |
| OTi DALI 50/220-240/ 24 4CH DT6/8 G3  | 191.00 g       | 0.5...2.5 mm <sup>2</sup>       | 0.2...1.5 mm <sup>2</sup>        | 6.0 mm                              | 5.0 mm                               |
| OTi DALI 80/220-240/ 24 4CH DT6/8 G3  | 191.00 g       | 0.5...2.5 mm <sup>2</sup>       | 0.2...1.5 mm <sup>2</sup>        | 6.0 mm                              | 5.0 mm                               |
| OTi DALI 160/220-240/ 24 2CH DT6/8 G3 | 380.00 g       | 0.5...2.5 mm <sup>2</sup>       | 0.5...2.5 mm <sup>2</sup>        | 6.0 mm                              | 6.0 mm                               |
| OTi DALI 50/220-240/24 1CH            | 191.00 g       | 0.5...2.5 mm <sup>2</sup>       | 0.2...1.5 mm <sup>2</sup>        | 6.0 mm                              | 5.0 mm                               |
| OTi DALI 80/220-240/24 1CH            | 191.00 g       | 0.5...2.5 mm <sup>2</sup>       | 0.2...1.5 mm <sup>2</sup>        | 6.0 mm                              | 5.0 mm                               |
| OTi DALI 160/220-240/24 1CH           | 380.00 g       | 0.5...2.5 mm <sup>2</sup>       | 0.5...2.5 mm <sup>2</sup>        | 6.0 mm                              | 6.0 mm                               |
| OTi DALI 80/220-240/24 1CH G3         | 191.00 g       | 0.5...2.5 mm <sup>2</sup>       | 0.2...1.5 mm <sup>2</sup>        | 6.0 mm                              | 5.0 mm                               |

## Product family datasheet

| Product description            | Product weight | Cable cross-section, input side | Cable cross-section, output side | Wire preparation length, input side | Wire preparation length, output side |
|--------------------------------|----------------|---------------------------------|----------------------------------|-------------------------------------|--------------------------------------|
| OTi DALI 50/220-240/24 1CH G3  | 191.00 g       | 0.5...2.5 mm <sup>2</sup>       | 0.2...1.5 mm <sup>2</sup>        | 6.0 mm                              | 5.0 mm                               |
| OTi DALI 160/220-240/24 1CH G3 | 380.00 g       | 0.5...2.5 mm <sup>2</sup>       | 0.5...2.5 mm <sup>2</sup>        | 6.0 mm                              | 6.0 mm                               |

| Product description                   | Length   | Width   | Height  | Colors & materials | Temperatures & operating conditions |                                   |
|---------------------------------------|----------|---------|---------|--------------------|-------------------------------------|-----------------------------------|
|                                       |          |         |         | Casing material    | Ambient temperature range           | Maximum temperature at test point |
| OTi DALI 50/220-240/24 4CHDT6/8       | 346.0 mm | 32.0 mm | 22.0 mm | Plastic            | -20...+45 °C                        | 70 °C                             |
| OTi DALI 80/220-240/24 4CHDT6/8       | 346.0 mm | 32.0 mm | 22.0 mm | Plastic            | -20...+45 °C                        | 85 °C                             |
| OTi DALI 160/220-240/24 2CHDT6/8      | 300.0 mm | 50.0 mm | 35.0 mm | Plastic            | -20...+45 °C                        | 90 °C                             |
| OTi DALI 50/220-240/ 24 4CH DT6/8 G3  | 346.0 mm | 32.0 mm | 22.0 mm | Plastic            | -20...+45 °C                        | 75 °C                             |
| OTi DALI 80/220-240/ 24 4CH DT6/8 G3  | 346.0 mm | 32.0 mm | 22.0 mm | Plastic            | -20...+45 °C                        | 75 °C                             |
| OTi DALI 160/220-240/ 24 2CH DT6/8 G3 | 300.0 mm | 50.0 mm | 35.0 mm | Plastic            | -20...+45 °C                        | 75 °C                             |
| OTi DALI 50/220-240/24 1CH            | 346.0 mm | 32.0 mm | 22.0 mm | Plastic            | -20...+45 °C                        | 70 °C                             |
| OTi DALI 80/220-240/24 1CH            | 346.0 mm | 32.0 mm | 22.0 mm | Plastic            | -20...+45 °C                        | 85 °C                             |
| OTi DALI 160/220-240/24 1CH           | 300.0 mm | 50.0 mm | 35.0 mm | Plastic            | -20...+45 °C                        | 90 °C                             |
| OTi DALI 80/220-240/24 1CH G3         | 346.0 mm | 32.0 mm | 22.0 mm | Plastic            | -20...+45 °C                        | 75 °C                             |
| OTi DALI 50/220-240/24 1CH G3         | 346.0 mm | 32.0 mm | 22.0 mm | Plastic            | -20...+45 °C                        | 75 °C                             |
| OTi DALI 160/220-240/24 1CH G3        | 300.0 mm | 50.0 mm | 35.0 mm | Plastic            | -20...+45 °C                        | 75 °C                             |

| Product description                  | Max.housing temperature in case of fault | Temperature range at storage | Permitted rel. humidity during operation | Lifespan     | Additional product data        |
|--------------------------------------|------------------------------------------|------------------------------|------------------------------------------|--------------|--------------------------------|
|                                      |                                          |                              |                                          | ECG lifetime | Predecessor EAN                |
| OTi DALI 50/220-240/24 4CHDT6/8      | 115 °C                                   | -40...+85 °C                 | 5...85 % <sup>4)</sup>                   | 50000 h      | 405289949 0772, 405289945 2916 |
| OTi DALI 80/220-240/24 4CHDT6/8      | 115 °C                                   | -40...+85 °C                 | 5...85 % <sup>4)</sup>                   | 50000 h      | 405289945 2893, 405289949 0758 |
| OTi DALI 160/220-240/24 2CHDT6/8     | 115 °C                                   | -40...+85 °C                 | 5...85 % <sup>4)</sup>                   | 50000 h      | 405289998 6312, 405289998 6305 |
| OTi DALI 50/220-240/ 24 4CH DT6/8 G3 | 110 °C                                   | -40...+85 °C                 | 5...85 % <sup>4)</sup>                   | 50000 h      | 406217217 7900                 |

## Product family datasheet

| Product description                   | Max.housing temperature in case of fault | Temperature range at storage | Permitted rel. humidity during operation | Lifespan     | Additional product data |
|---------------------------------------|------------------------------------------|------------------------------|------------------------------------------|--------------|-------------------------|
|                                       |                                          |                              |                                          | ECG lifetime | Predecessor EAN         |
| OTi DALI 80/220-240/ 24 4CH DT6/8 G3  | 110 °C                                   | -40...+85 °C                 | 5...85 % <sup>4)</sup>                   | 50000 h      | 406217217 7924          |
| OTi DALI 160/220-240/ 24 2CH DT6/8 G3 | 110 °C                                   | -40...+85 °C                 | 5...85 % <sup>4)</sup>                   | 50000 h      | 406217217 7948          |
| OTi DALI 50/220-240/24 1CH            | 115 °C                                   | -40...+85 °C                 | 5...85 % <sup>4)</sup>                   | 50000 h      |                         |
| OTi DALI 80/220-240/24 1CH            | 115 °C                                   | -40...+85 °C                 | 5...85 % <sup>4)</sup>                   | 50000 h      |                         |
| OTi DALI 160/220-240/24 1CH           | 115 °C                                   | -40...+85 °C                 | 5...85 % <sup>4)</sup>                   | 50000 h      |                         |
| OTi DALI 80/220-240/24 1CH G3         | 110 °C                                   | -40...+85 °C                 | 5...85 % <sup>4)</sup>                   | 50000 h      | 406217217 7986          |
| OTi DALI 50/220-240/24 1CH G3         | 110 °C                                   | -40...+85 °C                 | 5...85 % <sup>4)</sup>                   | 50000 h      | 406217217 7962          |
| OTi DALI 160/220-240/24 1CH G3        | 110 °C                                   | -40...+85 °C                 | 5...85 % <sup>4)</sup>                   | 50000 h      | 406217217 8006          |

| Product description                   | Capabilities |                               |               |                        |
|---------------------------------------|--------------|-------------------------------|---------------|------------------------|
|                                       | Dimmable     | Dimming interface             | Dimming range | Dimming method         |
| OTi DALI 50/220-240/24 4CHDT6/8       | Yes          | DALI-2 / Corridor / Touch DIM | 0.1...100 %   | Pulse Width Modulation |
| OTi DALI 80/220-240/24 4CHDT6/8       | Yes          | DALI-2 / Corridor / Touch DIM | 0.1...100 %   | Pulse Width Modulation |
| OTi DALI 160/220-240/24 2CHDT6/8      | Yes          | DALI-2 / Corridor / Touch DIM | 0.1...100 %   | Pulse Width Modulation |
| OTi DALI 50/220-240/ 24 4CH DT6/8 G3  | Yes          | DALI-2 / Corridor / Touch DIM | 0.1...100 %   | Pulse Width Modulation |
| OTi DALI 80/220-240/ 24 4CH DT6/8 G3  | Yes          | DALI-2 / Corridor / Touch DIM | 0.1...100 %   | Pulse Width Modulation |
| OTi DALI 160/220-240/ 24 2CH DT6/8 G3 | Yes          | DALI-2 / Corridor / Touch DIM | 0.1...100 %   | Pulse Width Modulation |
| OTi DALI 50/220-240/24 1CH            | Yes          | DALI-2 / Corridor / Touch DIM | 0.1...100 %   | Pulse Width Modulation |
| OTi DALI 80/220-240/24 1CH            | Yes          | DALI-2 / Corridor / Touch DIM | 0.1...100 %   | Pulse Width Modulation |
| OTi DALI 160/220-240/24 1CH           | Yes          | DALI-2 / Corridor / Touch DIM | 0.1...100 %   | Pulse Width Modulation |
| OTi DALI 80/220-240/24 1CH G3         | Yes          | DALI-2 / Corridor / Touch DIM | 0.1...100 %   | Pulse Width Modulation |
| OTi DALI 50/220-240/24 1CH G3         | Yes          | DALI-2 / Corridor / Touch DIM | 0.1...100 %   | Pulse Width Modulation |
| OTi DALI 160/220-240/24 1CH G3        | Yes          | DALI-2 / Corridor / Touch DIM | 0.1...100 %   | Pulse Width Modulation |

## Product family datasheet

| Product description                   | Overheating protection | Overload protection  | Short-circuit protection |
|---------------------------------------|------------------------|----------------------|--------------------------|
| OTi DALI 50/220-240/24 4CHDT6/8       | Automatic reversible   | Automatic reversible | Automatic reversible     |
| OTi DALI 80/220-240/24 4CHDT6/8       | Automatic reversible   | Automatic reversible | Automatic reversible     |
| OTi DALI 160/220-240/24 2CHDT6/8      | Automatic reversible   | Automatic reversible | Automatic reversible     |
| OTi DALI 50/220-240/ 24 4CH DT6/8 G3  | Automatic reversible   | Automatic reversible | Automatic reversible     |
| OTi DALI 80/220-240/ 24 4CH DT6/8 G3  | Automatic reversible   | Automatic reversible | Automatic reversible     |
| OTi DALI 160/220-240/ 24 2CH DT6/8 G3 | Automatic reversible   | Automatic reversible | Automatic reversible     |
| OTi DALI 50/220-240/24 1CH            | Automatic reversible   | Automatic reversible | Automatic reversible     |
| OTi DALI 80/220-240/24 1CH            | Automatic reversible   | Automatic reversible | Automatic reversible     |
| OTi DALI 160/220-240/24 1CH           | Automatic reversible   | Automatic reversible | Automatic reversible     |
| OTi DALI 80/220-240/24 1CH G3         | Automatic reversible   | Automatic reversible | Automatic reversible     |
| OTi DALI 50/220-240/24 1CH G3         | Automatic reversible   | Automatic reversible | Automatic reversible     |
| OTi DALI 160/220-240/24 1CH G3        | Automatic reversible   | Automatic reversible | Automatic reversible     |

| Product description                   | No-load proof | Intended for no-load operation | Suitable for fixtures with prot. class |
|---------------------------------------|---------------|--------------------------------|----------------------------------------|
| OTi DALI 50/220-240/24 4CHDT6/8       | Yes           | No                             | I / II                                 |
| OTi DALI 80/220-240/24 4CHDT6/8       | Yes           | No                             | I / II                                 |
| OTi DALI 160/220-240/24 2CHDT6/8      | Yes           | No                             | I / II                                 |
| OTi DALI 50/220-240/ 24 4CH DT6/8 G3  | Yes           | No                             | I / II                                 |
| OTi DALI 80/220-240/ 24 4CH DT6/8 G3  | Yes           | No                             | I / II                                 |
| OTi DALI 160/220-240/ 24 2CH DT6/8 G3 | Yes           | No                             | I / II                                 |
| OTi DALI 50/220-240/24 1CH            | Yes           | No                             | I / II                                 |
| OTi DALI 80/220-240/24 1CH            | Yes           | No                             | I / II                                 |
| OTi DALI 160/220-240/24 1CH           | Yes           | No                             | I / II                                 |
| OTi DALI 80/220-240/24 1CH G3         | Yes           | No                             | I / II                                 |
| OTi DALI 50/220-240/24 1CH G3         | Yes           | No                             | I / II                                 |
| OTi DALI 160/220-240/24 1CH G3        | Yes           | No                             | I / II                                 |

| Product description             | Type of connection, input side | Type of connection, output side | Number of channels | Control interface |
|---------------------------------|--------------------------------|---------------------------------|--------------------|-------------------|
| OTi DALI 50/220-240/24 4CHDT6/8 | Screw terminal                 | Screw terminal                  | 4                  | DALI-2            |

## Product family datasheet

| Product description                   | Type of connection, input side | Type of connection, output side | Number of channels | Control interface |
|---------------------------------------|--------------------------------|---------------------------------|--------------------|-------------------|
| OTi DALI 80/220-240/24 4CHDT6/8       | Screw terminal                 | Screw terminal                  | 4                  | DALI-2            |
| OTi DALI 160/220-240/24 2CHDT6/8      | Screw terminal                 | Screw terminal                  | 2                  | DALI-2            |
| OTi DALI 50/220-240/ 24 4CH DT6/8 G3  | Screw terminal                 | Screw terminal                  | 1                  | DALI-2            |
| OTi DALI 80/220-240/ 24 4CH DT6/8 G3  | Screw terminal                 | Screw terminal                  | 1                  | DALI-2            |
| OTi DALI 160/220-240/ 24 2CH DT6/8 G3 | Screw terminal                 | Screw terminal                  | 1                  | DALI-2            |
| OTi DALI 50/220-240/24 1CH            | Screw terminal                 | Screw terminal                  | 1                  | DALI-2            |
| OTi DALI 80/220-240/24 1CH            | Screw terminal                 | Screw terminal                  | 1                  | DALI-2            |
| OTi DALI 160/220-240/24 1CH           | Screw terminal                 | Screw terminal                  | 1                  | DALI-2            |
| OTi DALI 80/220-240/24 1CH G3         | Screw terminal                 | Screw terminal                  | 1                  | DALI-2            |
| OTi DALI 50/220-240/24 1CH G3         | Screw terminal                 | Screw terminal                  | 1                  | DALI-2            |
| OTi DALI 160/220-240/24 1CH G3        | Screw terminal                 | Screw terminal                  | 1                  | DALI-2            |

| Product description              | Programming  | Certificates & standards                                   |                                                                                                                                                         |                  |
|----------------------------------|--------------|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
|                                  | Tuner4TRONIC | Approval marks – approval                                  | Standards                                                                                                                                               | Protection class |
| OTi DALI 50/220-240/24 4CHDT6/8  | Yes          | BIS / CCC / CE / EAC / EL / ENEC 10 / RCM / VDE / VDE-ENEC | Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 61547/Acc. to EN 61000-3-2/Acc. to EN 62384/Acc. to EN 60598-2-22/Acc. to EN 62386/Acc. to EN 55015 | II               |
| OTi DALI 80/220-240/24 4CHDT6/8  | Yes          | BIS / CCC / CE / EAC / EL / ENEC 10 / RCM / VDE / VDE-ENEC | Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 61547/Acc. to EN 61000-3-2/Acc. to EN 62384/Acc. to EN 60598-2-22/Acc. to EN 62386/Acc. to EN 55015 | II               |
| OTi DALI 160/220-240/24 2CHDT6/8 | Yes          | BIS / CCC / CE / EAC / EL / ENEC 10 / RCM / VDE / VDE-ENEC | Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 61547/Acc. to EN 61000-3-2/Acc. to EN 62384/Acc. to EN 60598-2-22/Acc. to EN 62386/Acc. to EN 55015 | II               |

## Product family datasheet

| Product description                   | Programming  | Certificates & standards                                   |                                                                                                                                                         |                  |
|---------------------------------------|--------------|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
|                                       | Tuner4TRONIC | Approval marks – approval                                  | Standards                                                                                                                                               | Protection class |
| OTi DALI 50/220-240/ 24 4CH DT6/8 G3  | Yes          | BIS / CCC / EAC / EL / ENEC 10 / RCM / VDE / VDE-EMC       | Acc. to EN 55015/Acc. to EN 60598-2-22/Acc. to EN 61000-3-2/Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 61547/Acc. to EN 62384/Acc. to EN 62386 | II               |
| OTi DALI 80/220-240/ 24 4CH DT6/8 G3  | Yes          | BIS / CCC / EAC / EL / ENEC 10 / RCM / VDE / VDE-EMC       | Acc. to EN 55015/Acc. to EN 60598-2-22/Acc. to EN 61000-3-2/Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 61547/Acc. to EN 62384/Acc. to EN 62386 | II               |
| OTi DALI 160/220-240/ 24 2CH DT6/8 G3 | Yes          | BIS / CCC / EAC / EL / ENEC 10 / RCM / VDE / VDE-EMC       | Acc. to EN 55015/Acc. to EN 60598-2-22/Acc. to EN 61000-3-2/Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 61547/Acc. to EN 62384/Acc. to EN 62386 | II               |
| OTi DALI 50/220-240/24 1CH            | Yes          | BIS / CCC / CE / EAC / EL / ENEC 10 / RCM / VDE / VDE-ENEC | Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 61547/Acc. to EN 61000-3-2/Acc. to EN 62384/Acc. to EN 60598-2-22/Acc. to EN 62386/Acc. to EN 55015 | II               |
| OTi DALI 80/220-240/24 1CH            | Yes          | BIS / CCC / CE / EAC / EL / ENEC 10 / RCM / VDE / VDE-ENEC | Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 61547/Acc. to EN 61000-3-2/Acc. to EN 62384/Acc. to EN 60598-2-22/Acc. to EN 62386/Acc. to EN 55015 | II               |
| OTi DALI 160/220-240/24 1CH           | Yes          | BIS / CCC / CE / EAC / EL / ENEC 10 / RCM / VDE / VDE-ENEC | Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 61547/Acc. to EN 61000-3-2/Acc. to EN 62384/Acc. to EN 60598-2-22/Acc. to EN 62386/Acc. to EN 55015 | II               |

## Product family datasheet

| Product description            | Programming  | Certificates & standards                             |                                                                                                                                                         |                  |
|--------------------------------|--------------|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
|                                | Tuner4TRONIC | Approval marks – approval                            | Standards                                                                                                                                               | Protection class |
| OTi DALI 80/220-240/24 1CH G3  | Yes          | BIS / CCC / EAC / EL / ENEC 10 / RCM / VDE / VDE-EMC | Acc. to EN 55015/Acc. to EN 60598-2-22/Acc. to EN 61000-3-2/Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 61547/Acc. to EN 62384/Acc. to EN 62386 | II               |
| OTi DALI 50/220-240/24 1CH G3  | Yes          | BIS / CCC / EAC / EL / ENEC 10 / RCM / VDE / VDE-EMC | Acc. to EN 55015/Acc. to EN 60598-2-22/Acc. to EN 61000-3-2/Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 61547/Acc. to EN 62384/Acc. to EN 62386 | II               |
| OTi DALI 160/220-240/24 1CH G3 | Yes          | BIS / CCC / EAC / EL / ENEC 10 / RCM / VDE / VDE-EMC | Acc. to EN 55015/Acc. to EN 60598-2-22/Acc. to EN 61000-3-2/Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 61547/Acc. to EN 62384/Acc. to EN 62386 | II               |

|                                       |                    | Logistical data | Environmental information<br>Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |
|---------------------------------------|--------------------|-----------------|----------------------------------------------------------------------------------------------------|
| Product description                   | Type of protection | Commodity code  | Date of Declaration                                                                                |
| OTi DALI 50/220-240/24 4CHDT6/8       | IP20               | 850440829000    | 06-10-2022                                                                                         |
| OTi DALI 80/220-240/24 4CHDT6/8       | IP20               | 850440829000    | 06-10-2022                                                                                         |
| OTi DALI 160/220-240/24 2CHDT6/8      |                    | 850440829000    | 06-10-2022                                                                                         |
| OTi DALI 50/220-240/ 24 4CH DT6/8 G3  | IP20               | 850440829000    | 21-09-2022                                                                                         |
| OTi DALI 80/220-240/ 24 4CH DT6/8 G3  | IP20               | 850440829000    | 21-09-2022                                                                                         |
| OTi DALI 160/220-240/ 24 2CH DT6/8 G3 | IP20               | 850440829000    | 21-09-2022                                                                                         |
| OTi DALI 50/220-240/24 1CH            |                    | 850440829000    | 06-10-2022                                                                                         |
| OTi DALI 80/220-240/24 1CH            |                    | 850440829000    | 06-10-2022                                                                                         |
| OTi DALI 160/220-240/24 1CH           |                    | 850440829000    | 06-10-2022                                                                                         |
| OTi DALI 80/220-240/24 1CH G3         | IP20               | 850440829000    | 20-09-2022                                                                                         |
| OTi DALI 50/220-240/24 1CH G3         | IP20               | 850440829000    | 20-09-2022                                                                                         |
| OTi DALI 160/220-240/24 1CH G3        | IP20               | 850440829000    | 21-09-2022                                                                                         |

## Product family datasheet

| Product description                   | Primary Article Identifier | Candidate List Substance 1 | CAS No. of substance 1 | Safe Use Instruction                                                                               |
|---------------------------------------|----------------------------|----------------------------|------------------------|----------------------------------------------------------------------------------------------------|
| OTi DALI 50/220-240/24 4CHDT6/8       | 4062172177900              | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| OTi DALI 80/220-240/24 4CHDT6/8       | 4062172177924              | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| OTi DALI 160/220-240/24 2CHDT6/8      | 4062172177948              | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| OTi DALI 50/220-240/ 24 4CH DT6/8 G3  | 4062172274289              |                            |                        |                                                                                                    |
| OTi DALI 80/220-240/ 24 4CH DT6/8 G3  | 4062172274302              |                            |                        |                                                                                                    |
| OTi DALI 160/220-240/ 24 2CH DT6/8 G3 | 4062172274326              |                            |                        |                                                                                                    |
| OTi DALI 50/220-240/24 1CH            | 4062172177962              | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| OTi DALI 80/220-240/24 1CH            | 4062172177986              | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| OTi DALI 160/220-240/24 1CH           | 4062172178006              | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| OTi DALI 80/220-240/24 1CH G3         | 4062172274364              |                            |                        |                                                                                                    |
| OTi DALI 50/220-240/24 1CH G3         | 4062172274340              |                            |                        |                                                                                                    |
| OTi DALI 160/220-240/24 1CH G3        | 4062172274388              |                            |                        |                                                                                                    |

| Product description             | Declaration No. in SCIP database     |
|---------------------------------|--------------------------------------|
| OTi DALI 50/220-240/24 4CHDT6/8 | 1c560d22-f087-40d4-9d04-7071f5d61f24 |

## Product family datasheet

| Product description                   | Declaration No. in SCIP database     |
|---------------------------------------|--------------------------------------|
| OTi DALI 80/220-240/24 4CHDT6/8       | 0f8e8db2-6d74-4d2a-876a-07d0c48853d1 |
| OTi DALI 160/220-240/24 2CHDT6/8      | 2bb333c6-9282-4fa2-99d7-e06dff259f3e |
| OTi DALI 50/220-240/ 24 4CH DT6/8 G3  | In work                              |
| OTi DALI 80/220-240/ 24 4CH DT6/8 G3  | In work                              |
| OTi DALI 160/220-240/ 24 2CH DT6/8 G3 | In work                              |
| OTi DALI 50/220-240/24 1CH            | 5f831b12-67c9-4d08-a134-bccddf1c0a8b |
| OTi DALI 80/220-240/24 1CH            | 672b4f59-fc45-4b41-837e-3095e12b6634 |
| OTi DALI 160/220-240/24 1CH           | 0a78d07d-3143-4367-9615-9af6899f81a7 |
| OTi DALI 80/220-240/24 1CH G3         | In work                              |
| OTi DALI 50/220-240/24 1CH G3         | In work                              |
| OTi DALI 160/220-240/24 1CH G3        | In work                              |

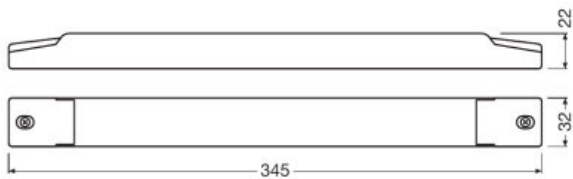
1) at 230 V, 50 Hz

2) DC voltage

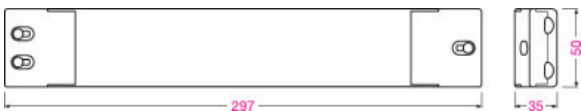
3) at steady state

4) Maximum 56 days/year at 85 %

Product family datasheet



725432\_OTi DALI 80220-24024 1-4 CH



OTi DALI 160220-24024 TW

Equipment / Accessories

- Suitable for 24 V LED modules

Application advice

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

Sales and Technical Support

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

Download Data

| File                                                                                |                                                                              |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
|  | User instruction<br>OPTOTRONIC LED Power Supply                              |
|  | Product Datasheet<br>Technical datasheet OTi DALI 50 80 220 240 24 4CH DT6 8 |
|  | Certificates<br>OT ENEC 40050684 310822                                      |
|  | Certificates<br>IT DALI 1CH 4CH DT6 DT8 CB DE1 64778 070421                  |
|  | CAD data 3-dim<br>OTi DALI 50-80 220-240 24 _ 3D stp file                    |
|  | User instruction<br>OPTOTRONIC LED Power Supply                              |
|  | Product Datasheet<br>Technical datasheet OTi DALI 160 220 240 24 2CH DT6 8   |

## Product family datasheet

|                                                                                     |                                                                                    |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|    | CAD data 3-dim<br>OTi DALI 160 220-240 24 _ 3D stp file                            |
|    | User instruction<br>OPTOTRONIC LED Power Supply                                    |
|    | Product Datasheet<br>OTi DALI 50 80 24 4CH DT6-8 G3 TDS 120522                     |
|    | User instruction<br>OPTOTRONIC LED Power Supply                                    |
|    | Product Datasheet<br>OTi DALI 160 220-240 24 2CH DT6-8 G3 Specification Sheet (EN) |
|    | Product Datasheet<br>OTi DALI 160 24 2CH DT6-8 G3 TDS 120522                       |
|    | User instruction<br>OPTOTRONIC LED Power Supply                                    |
|    | Product Datasheet<br>Technical datasheet OTi DALI 50-80_220-240_24 1CH (EN)        |
|    | User instruction<br>OPTOTRONIC LED Power Supply                                    |
|    | Product Datasheet<br>Technical datasheet OTi DALI 160 220-240 24 1CH (EN)          |
|  | User instruction<br>OPTOTRONIC LED Power Supply                                    |
|  | Product Datasheet<br>OTi DALI 50 80 24 1CH G3 TDS 120522                           |
|  | User instruction<br>OPTOTRONIC LED Power Supply                                    |
|  | Product Datasheet<br>OTi DALI 160 220-240 24 1CH G3 Specification Sheet (EN)       |
|  | Product Datasheet<br>OTi DALI 160 24 1CH G3 TDS 120522                             |

### 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.

## Product family datasheet

### Logistical Data

| Product code  | Product description                   | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume                | Gross weight |
|---------------|---------------------------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4062172177900 | OTi DALI 50/220-240/24 4CHDT6/8       | Shipping carton box 20       | 370 mm x 170 mm x 113 mm             | 7.11 dm <sup>3</sup>  | 3998.00 g    |
| 4062172177924 | OTi DALI 80/220-240/24 4CHDT6/8       | Shipping carton box 20       | 370 mm x 170 mm x 113 mm             | 7.11 dm <sup>3</sup>  | 3998.00 g    |
| 4062172177948 | OTi DALI 160/220-240/24 2CHDT6/8      | Shipping carton box 20       | 335 mm x 268 mm x 167 mm             | 14.99 dm <sup>3</sup> | 7918.00 g    |
| 4062172274289 | OTi DALI 50/220-240/ 24 4CH DT6/8 G3  | Shipping carton box 20       | 370 mm x 170 mm x 113 mm             | 7.11 dm <sup>3</sup>  | 3998.00 g    |
| 4062172274302 | OTi DALI 80/220-240/ 24 4CH DT6/8 G3  | Shipping carton box 20       | 370 mm x 170 mm x 113 mm             | 7.11 dm <sup>3</sup>  | 3998.00 g    |
| 4062172274326 | OTi DALI 160/220-240/ 24 2CH DT6/8 G3 | Shipping carton box 20       | 335 mm x 268 mm x 167 mm             | 14.99 dm <sup>3</sup> | 7918.00 g    |
| 4062172177962 | OTi DALI 50/220-240/24 1CH            | Shipping carton box 20       | 370 mm x 170 mm x 113 mm             | 7.11 dm <sup>3</sup>  | 3998.00 g    |
| 4062172177986 | OTi DALI 80/220-240/24 1CH            | Shipping carton box 20       | 370 mm x 170 mm x 113 mm             | 7.11 dm <sup>3</sup>  | 3998.00 g    |
| 4062172178006 | OTi DALI 160/220-240/24 1CH           | Shipping carton box 20       | 335 mm x 268 mm x 167 mm             | 14.99 dm <sup>3</sup> | 7918.00 g    |
| 4062172274364 | OTi DALI 80/220-240/24 1CH G3         | Shipping carton box 20       | 370 mm x 170 mm x 113 mm             | 7.11 dm <sup>3</sup>  | 3998.00 g    |
| 4062172274340 | OTi DALI 50/220-240/24 1CH G3         | Shipping carton box 20       | 370 mm x 170 mm x 113 mm             | 7.11 dm <sup>3</sup>  | 3998.00 g    |
| 4062172274388 | OTi DALI 160/220-240/24 1CH G3        | Shipping carton box 20       | 335 mm x 268 mm x 167 mm             | 14.99 dm <sup>3</sup> | 7918.00 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.

### Disclaimer

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