

## DEXAL, AstroDIM, StepDIM – constant current LED drivers



- Street and urban lighting
- Industry
- Suitable for outdoor applications in luminaires with IP > 54
- Suitable for use in outdoor luminaires of protection class I and II

- Ready for Zhaga Book 18 and DALI part 25x + AUX
- Electrical interface and data communication fully based on open standards
- Fully programmable via software (DALI Interface, NFC)
- Low luminous efficacy tolerance through low output current tolerance of  $\pm 3\%$
- High surge protection: up to 10 kV (1 pulse) in protection class I or II
- Lifetime: up to 100,000 h (depending on  $T_c$  temperature, max. 10 % failure rate)
- Mains input undervoltage protection
- Very high efficiency
- Fulfill safety requirement due to overload, overtemperature, Hot Plug protection



## Product family datasheet

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### Product family features

- DEXAL interface based on DALI-2 communication
- Available with different wattage: 40 W, 75 W, 110 W, 165 W
- Current output range: 70...1,050 mA
- AstroDIM for autonomous dimming with five independent levels (astro, time mode)
- Standby power consumption: < 0.5 W
- Integrated customizable thermal management (Driver Guard)
- Constant Lumen Output (CLO)

## Product family datasheet

### Technical data

#### Electrical data

| Product description                | Nominal voltage | Input voltage AC          | Nominal current | Mains frequency          | Power factor $\lambda$  | Total harmonic distortion |
|------------------------------------|-----------------|---------------------------|-----------------|--------------------------|-------------------------|---------------------------|
| OT DX 40/220...240/1A0 DIMA LT2 E  | 220...240 V     | 198...264 V <sup>1)</sup> | 0.22 A          | 0/50/60 Hz <sup>2)</sup> | 0.95/0.90 <sup>3)</sup> | < 10 % <sup>4)</sup>      |
| OT DX 165/220...240/1A0 DIMA LT2 E | 220...240 V     | 198...264 V <sup>1)</sup> | 0.78 A          | 0/50/60 Hz <sup>2)</sup> | 0.95/0.90 <sup>3)</sup> | < 10 % <sup>4)</sup>      |
| OT DX 110/220...240/1A0 DIMA LT2 E | 220...240 V     | 198...264 V <sup>1)</sup> | 0.53 A          | 0/50/60 Hz <sup>2)</sup> | 0.95/0.90 <sup>3)</sup> | < 10 % <sup>4)</sup>      |
| OT DX 75/220...240/1A0 DIMA LT2 E  | 220...240 V     | 198...264 V <sup>1)</sup> | 0.39 A          | 0/50/60 Hz <sup>2)</sup> | 0.95/0.90 <sup>3)</sup> | < 10 % <sup>4)</sup>      |

| Product description                | Device power loss   | Inrush current      | Max. ECG no. on circuit breaker 10 A (B) | Max. ECG no. on circuit breaker 16 A (B) | Max. ECG no. on circuit breaker 25 A (B) |
|------------------------------------|---------------------|---------------------|------------------------------------------|------------------------------------------|------------------------------------------|
| OT DX 40/220...240/1A0 DIMA LT2 E  | 4.5 W <sup>5)</sup> | 26 A <sup>6)</sup>  | 17 <sup>7)</sup>                         | 28 <sup>7)</sup>                         | 43 <sup>7)</sup>                         |
| OT DX 165/220...240/1A0 DIMA LT2 E | 13 W <sup>5)</sup>  | 68 A <sup>15)</sup> | 7 <sup>7)</sup>                          | 11 <sup>7)</sup>                         | 30 <sup>7)</sup>                         |
| OT DX 110/220...240/1A0 DIMA LT2 E | 8.0 W <sup>5)</sup> | 65 A <sup>16)</sup> | 7 <sup>7)</sup>                          | 11 <sup>7)</sup>                         | 30 <sup>7)</sup>                         |
| OT DX 75/220...240/1A0 DIMA LT2 E  | 5.3 W <sup>5)</sup> | 54 A <sup>17)</sup> | 8 <sup>7)</sup>                          | 12 <sup>7)</sup>                         | 28 <sup>7)</sup>                         |

| Product description                | Surge capability (L/N-Ground) | Surge capability (L-N) | Nominal output power | ECG efficiency      | Nominal output voltage |
|------------------------------------|-------------------------------|------------------------|----------------------|---------------------|------------------------|
| OT DX 40/220...240/1A0 DIMA LT2 E  | 10 kV <sup>8)</sup>           | 6 kV <sup>9)</sup>     | 40 W <sup>10)</sup>  | 89 % <sup>11)</sup> | 15...56 V              |
| OT DX 165/220...240/1A0 DIMA LT2 E | 10 kV <sup>8)</sup>           | 6 kV <sup>9)</sup>     | 165 W <sup>10)</sup> | 94 % <sup>11)</sup> | 130...260 V            |
| OT DX 110/220...240/1A0 DIMA LT2 E | 10 kV <sup>8)</sup>           | 6 kV <sup>9)</sup>     | 110 W <sup>10)</sup> | 93 % <sup>11)</sup> | 75...220 V             |
| OT DX 75/220...240/1A0 DIMA LT2 E  | 10 kV <sup>8)</sup>           | 6 kV <sup>9)</sup>     | 75 W <sup>10)</sup>  | 93 % <sup>11)</sup> | 35...115 V             |

| Product description                | Nominal output current | Default output current | Output current tolerance | Output ripple current (100 Hz) |
|------------------------------------|------------------------|------------------------|--------------------------|--------------------------------|
| OT DX 40/220...240/1A0 DIMA LT2 E  | 200...1050 mA          | 700 mA                 | ±3 % <sup>12)</sup>      | 10 %                           |
| OT DX 165/220...240/1A0 DIMA LT2 E | 200...1050 mA          | 700 mA                 | ±3 % <sup>12)</sup>      | 10 %                           |
| OT DX 110/220...240/1A0 DIMA LT2 E | 200...1050 mA          | 700 mA                 | ±3 % <sup>12)</sup>      | 10 %                           |
| OT DX 75/220...240/1A0 DIMA LT2 E  | 200...1050 mA          | 700 mA                 | ±3 % <sup>12)</sup>      | 10 %                           |

| Product description                | Minimum output current | Galvanic isolation | U-OUT (working voltage) | Auxiliary Power Supply |
|------------------------------------|------------------------|--------------------|-------------------------|------------------------|
| OT DX 40/220...240/1A0 DIMA LT2 E  | 70 mA                  | SELV               | 60 V                    | 24 V <sup>13)</sup>    |
| OT DX 165/220...240/1A0 DIMA LT2 E | 70 mA                  | Double             | 300 V                   | 24 V <sup>13)</sup>    |

## Product family datasheet

| Product description                | Minimum output current | Galvanic isolation | U-OUT<br>(working voltage) | Auxiliary Power Supply |
|------------------------------------|------------------------|--------------------|----------------------------|------------------------|
| OT DX 110/220...240/1A0 DIMA LT2 E | 70 mA                  | Double             | 250 V                      | 24 V <sup>13)</sup>    |
| OT DX 75/220...240/1A0 DIMA LT2 E  | 70 mA                  | SELV               | 120 V                      | 24 V <sup>13)</sup>    |

| Product description                | Nominal input voltage<br>(SD port) |
|------------------------------------|------------------------------------|
| OT DX 40/220...240/1A0 DIMA LT2 E  | 220...240 V <sup>14)</sup>         |
| OT DX 165/220...240/1A0 DIMA LT2 E | 220...240 V <sup>14)</sup>         |
| OT DX 110/220...240/1A0 DIMA LT2 E | 220...240 V <sup>14)</sup>         |
| OT DX 75/220...240/1A0 DIMA LT2 E  | 220...240 V <sup>14)</sup>         |

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

<sup>2)</sup> additional fuse needed in DC operation

<sup>3)</sup> Minimum load at 230 V/Full load at 230 V/Half load at 230 V

<sup>4)</sup> Max. output power at 230 V<sub>AC</sub>

<sup>5)</sup> Maximum

<sup>6)</sup>  $t_{width} = 180 \mu s$  (measured at 50 %  $I_{peak}$ )

<sup>7)</sup> Type B

<sup>8)</sup> Single pulse 10kV / 12 Ohm (1.2/50  $\mu s$ )

<sup>9)</sup> @ 2 Ohm, acc. to EN61547

<sup>10)</sup> Max. 75% in DC operating mode

<sup>11)</sup> At full load and 230 V

<sup>12)</sup> +/- 5% for LEDset down to 300mA

<sup>13)</sup> 3W average, 6W peak power

<sup>14)</sup> with external component 'OT DX SD BOX' only

<sup>15)</sup>  $t_{width} = 200 \mu s$  (measured at 50 %  $I_{peak}$ )

<sup>16)</sup>  $t_{width} = 160 \mu s$  (measured at 50 %  $I_{peak}$ )

<sup>17)</sup>  $t_{width} = 190 \mu s$  (measured at 50 %  $I_{peak}$ )

### Dimensions & weight

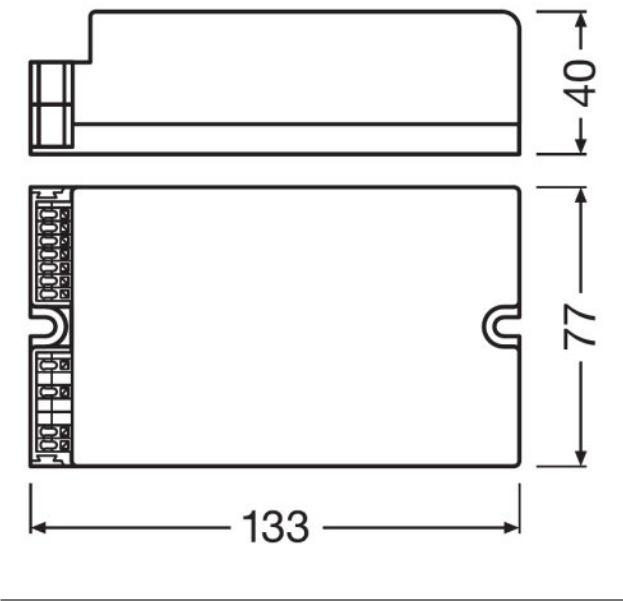
| Product description                | Length   | Width    | Height  | Mounting hole spacing, length | Product weight | Cable cross-section, input side         |
|------------------------------------|----------|----------|---------|-------------------------------|----------------|-----------------------------------------|
| OT DX 40/220...240/1A0 DIMA LT2 E  | 133.0 mm | 77.0 mm  | 40.0 mm | 122.5 mm                      | 235.00 g       | 0.2...1.5 mm <sup>2</sup> <sup>1)</sup> |
| OT DX 165/220...240/1A0 DIMA LT2 E | 170.0 mm | 100.0 mm | 40.0 mm | 160.0 mm                      | 1050.00 g      | 0.2...1.5 mm <sup>2</sup> <sup>1)</sup> |
| OT DX 110/220...240/1A0 DIMA LT2 E | 170.0 mm | 100.0 mm | 40.0 mm | 160.0 mm                      | 1050.00 g      | 0.2...1.5 mm <sup>2</sup> <sup>1)</sup> |
| OT DX 75/220...240/1A0 DIMA LT2 E  | 150.0 mm | 90.0 mm  | 40.0 mm | 134.0 mm                      | 335.00 g       | 0.2...1.5 mm <sup>2</sup> <sup>1)</sup> |

Product family datasheet

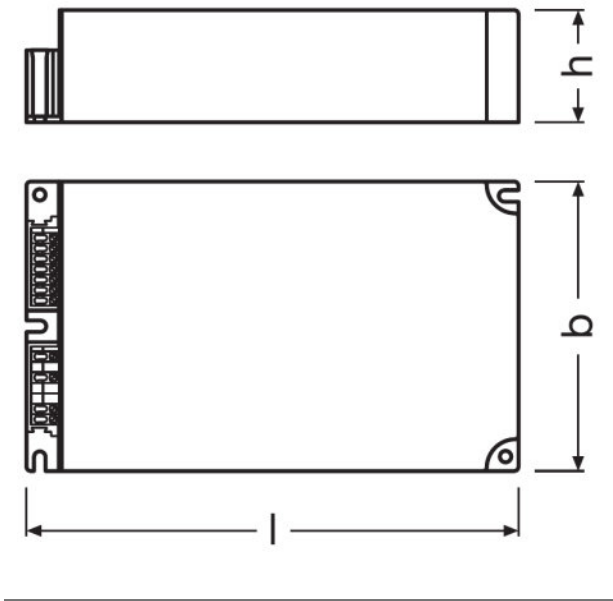
| Product description                | Cable cross-section, output side        | Wire preparation length, input side | Mounting hole spacing, width |
|------------------------------------|-----------------------------------------|-------------------------------------|------------------------------|
| OT DX 40/220...240/1A0 DIMA LT2 E  | 0.2...1.5 mm <sup>2</sup> <sup>1)</sup> | 8.5...9.5 mm                        |                              |
| OT DX 165/220...240/1A0 DIMA LT2 E | 0.2...1.5 mm <sup>2</sup> <sup>1)</sup> | 8.5...9.5 mm                        | 90.0 mm                      |
| OT DX 110/220...240/1A0 DIMA LT2 E | 0.2...1.5 mm <sup>2</sup> <sup>1)</sup> | 8.5...9.5 mm                        | 90.0 mm                      |
| OT DX 75/220...240/1A0 DIMA LT2 E  | 0.2...1.5 mm <sup>2</sup> <sup>1)</sup> | 8.5...9.5 mm                        |                              |

<sup>1)</sup> Solid/ Flexible Leads

Product line drawing

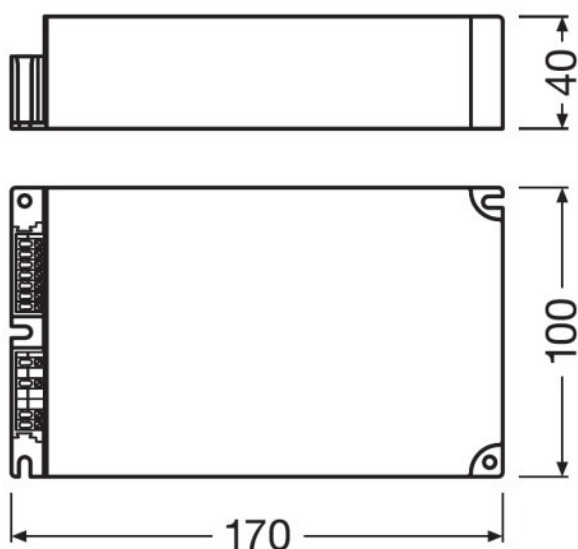


OT DX 40/220...240/1A0 DIMA LT2 E

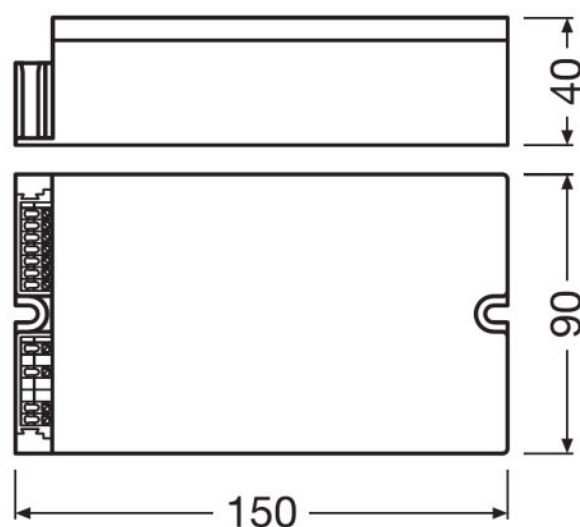


OT DX 165/220...240/1A0 DIMA LT2 E

## Product family datasheet



OT DX 110/220...240/1A0 DIMA LT2 E



OT DX 75/220...240/1A0 DIMA LT2 E

### Temperatures & operating conditions

| Product description                | Ambient temperature range | Temperature range at storage | Maximum temperature at tc test point | Max.housing temperature in case of fault |
|------------------------------------|---------------------------|------------------------------|--------------------------------------|------------------------------------------|
| OT DX 40/220...240/1A0 DIMA LT2 E  | -40...+55 °C              | -25...85 °C                  | 80 °C                                | 120 °C                                   |
| OT DX 165/220...240/1A0 DIMA LT2 E | -40...+55 °C              | -25...85 °C                  | 90 °C                                | 120 °C                                   |
| OT DX 110/220...240/1A0 DIMA LT2 E | -40...+55 °C              | -25...85 °C                  | 85 °C                                | 120 °C                                   |
| OT DX 75/220...240/1A0 DIMA LT2 E  | -40...+55 °C              | -25...85 °C                  | 85 °C                                | 120 °C                                   |

| Product description                | Permitted rel. humidity during operation |
|------------------------------------|------------------------------------------|
| OT DX 40/220...240/1A0 DIMA LT2 E  | 5...85 % <sup>1)</sup>                   |
| OT DX 165/220...240/1A0 DIMA LT2 E | 5...85 % <sup>1)</sup>                   |
| OT DX 110/220...240/1A0 DIMA LT2 E | 5...85 % <sup>1)</sup>                   |
| OT DX 75/220...240/1A0 DIMA LT2 E  | 5...85 % <sup>1)</sup>                   |

<sup>1)</sup> Non condensing, absolute humidity: 36g/m<sup>3</sup>

## Product family datasheet

### Lifespan

| Product description                | ECG lifetime           |
|------------------------------------|------------------------|
| OT DX 40/220...240/1A0 DIMA LT2 E  | 100000 h <sup>1)</sup> |
| OT DX 165/220...240/1A0 DIMA LT2 E | 100000 h <sup>2)</sup> |
| OT DX 110/220...240/1A0 DIMA LT2 E | 100000 h <sup>3)</sup> |
| OT DX 75/220...240/1A0 DIMA LT2 E  | 100000 h <sup>3)</sup> |

<sup>1)</sup> At T<sub>case</sub> = 68°C at T<sub>c</sub> point / 10% failure rate

<sup>2)</sup> At T<sub>case</sub> = 78°C at T<sub>c</sub> point / 10% failure rate

<sup>3)</sup> At T<sub>case</sub> = 73°C at T<sub>c</sub> point / 10% failure rate

### Expected Lifetime

| Product name                             |                              |       |       |        |
|------------------------------------------|------------------------------|-------|-------|--------|
| OT DX<br>40/220...240/1A0<br>DIMA LT2 E  | ECG ambient temperature [ta] | 55    | 45    | 43     |
|                                          | Temperature at tc-point [°C] | 80    | 70    | 68     |
|                                          | Lifetime [h]                 | 50000 | 85000 | 100000 |
| OT DX<br>165/220...240/1A0<br>DIMA LT2 E | ECG ambient temperature [ta] | 55    | 45    | 43     |
|                                          | Temperature at tc-point [°C] | 90    | 80    | 78     |
|                                          | Lifetime [h]                 | 50000 | 85000 | 100000 |
| OT DX<br>110/220...240/1A0<br>DIMA LT2 E | ECG ambient temperature [ta] | 60    | 50    | 48     |
|                                          | Temperature at tc-point [°C] | 85    | 75    | 73     |
|                                          | Lifetime [h]                 | 50000 | 85000 | 100000 |
| OT DX<br>75/220...240/1A0<br>DIMA LT2 E  | ECG ambient temperature [ta] | 55    | 45    | 43     |
|                                          | Temperature at tc-point [°C] | 85    | 75    | 73     |
|                                          | Lifetime [h]                 | 50000 | 85000 | 100000 |

### Capabilities

| Product description                | Dimmable | Dimming interface                                 | Dimming range | Suitable for fixtures with prot. class |
|------------------------------------|----------|---------------------------------------------------|---------------|----------------------------------------|
| OT DX 40/220...240/1A0 DIMA LT2 E  | Yes      | AstroDIM / StepDIM / DALI/DEXAL/D4i <sup>1)</sup> | 10...100 %    | I / II                                 |
| OT DX 165/220...240/1A0 DIMA LT2 E | Yes      | DEXAL / AstroDIM / StepDIM <sup>1)</sup>          | 10...100 %    | I / II                                 |
| OT DX 110/220...240/1A0 DIMA LT2 E | Yes      | DEXAL / AstroDIM / StepDIM <sup>1)</sup>          | 10...100 %    | I / II                                 |
| OT DX 75/220...240/1A0 DIMA LT2 E  | Yes      | DEXAL / AstroDIM / StepDIM <sup>1)</sup>          | 10...100 %    | I / II                                 |

## Product family datasheet

| Product description                | Constant lumen function | NTC input | Overheating protection |
|------------------------------------|-------------------------|-----------|------------------------|
| OT DX 40/220...240/1A0 DIMA LT2 E  | Yes                     | Yes       | Yes                    |
| OT DX 165/220...240/1A0 DIMA LT2 E | Yes                     | Yes       | Yes                    |
| OT DX 110/220...240/1A0 DIMA LT2 E | Yes                     | Yes       | Yes                    |
| OT DX 75/220...240/1A0 DIMA LT2 E  | Yes                     | Yes       | Yes                    |

| Product description                | Overload protection | Short-circuit protection | No-load proof | Max. cable length to lamp/LED module |
|------------------------------------|---------------------|--------------------------|---------------|--------------------------------------|
| OT DX 40/220...240/1A0 DIMA LT2 E  | Yes                 | Yes                      | Yes           | 2.0 m                                |
| OT DX 165/220...240/1A0 DIMA LT2 E | Yes                 | Yes                      | Yes           | 2.0 m                                |
| OT DX 110/220...240/1A0 DIMA LT2 E | Yes                 | Yes                      | Yes           | 2.0 m                                |
| OT DX 75/220...240/1A0 DIMA LT2 E  | Yes                 | Yes                      | Yes           | 2.0 m                                |

| Product description                | Energy Reporting | LEDset | Diagnostic and Maintenance |
|------------------------------------|------------------|--------|----------------------------|
| OT DX 40/220...240/1A0 DIMA LT2 E  | Yes              | Yes    | Yes                        |
| OT DX 165/220...240/1A0 DIMA LT2 E | Yes              | Yes    | Yes                        |
| OT DX 110/220...240/1A0 DIMA LT2 E | Yes              | Yes    | Yes                        |
| OT DX 75/220...240/1A0 DIMA LT2 E  | Yes              | Yes    | Yes                        |

| Product description                | Number of channels |
|------------------------------------|--------------------|
| OT DX 40/220...240/1A0 DIMA LT2 E  | 1                  |
| OT DX 165/220...240/1A0 DIMA LT2 E | 1                  |
| OT DX 110/220...240/1A0 DIMA LT2 E | 1                  |
| OT DX 75/220...240/1A0 DIMA LT2 E  | 1                  |

<sup>1)</sup> StepDIM functionality with external component 'OT DX SD BOX' only

### Programming

| Product description                | Programming device | Tuner4TRONIC | Tuner4TRONIC Field App |
|------------------------------------|--------------------|--------------|------------------------|
| OT DX 40/220...240/1A0 DIMA LT2 E  | DALI / NFC         | Yes          | No                     |
| OT DX 165/220...240/1A0 DIMA LT2 E | DALI / NFC         | Yes          | No                     |
| OT DX 110/220...240/1A0 DIMA LT2 E | DALI / NFC         | Yes          | No                     |
| OT DX 75/220...240/1A0 DIMA LT2 E  | DALI / NFC         | Yes          | No                     |

## Product family datasheet

### Programmable features

| Product description                | Luminaire Info |
|------------------------------------|----------------|
| OT DX 40/220...240/1A0 DIMA LT2 E  | Yes            |
| OT DX 165/220...240/1A0 DIMA LT2 E | Yes            |
| OT DX 110/220...240/1A0 DIMA LT2 E | Yes            |
| OT DX 75/220...240/1A0 DIMA LT2 E  | Yes            |

### Certificates & standards

| Product description                | Type of protection                                  | Standards                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OT DX 40/220...240/1A0 DIMA LT2 E  | IP20                                                | Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 62384/Acc. to EN 55015:2006 + A1:2007 + A2:2009/Acc. to EN 61547/Acc. to FCC 47 part 15 class B/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 62386-101/Acc. to IEC 62386-102/Acc. to IEC 62386-207/Acc. to IEC 62386-150/Acc. to IEC 62386-250/Acc. to IEC 62386-251, -252, -253 |
| OT DX 165/220...240/1A0 DIMA LT2 E | IP20                                                | Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 62384/Acc. to EN 55015:2006 + A1:2007 + A2:2009/Acc. to EN 61547/Acc. to FCC 47 part 15 class B/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 62386-101/Acc. to IEC 62386-102/Acc. to IEC 62386-207                                                                               |
| OT DX 110/220...240/1A0 DIMA LT2 E | IP20                                                | Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 62384/Acc. to EN 55015:2006 + A1:2007 + A2:2009/Acc. to EN 61547/Acc. to FCC 47 part 15 class B/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 62386-101/Acc. to IEC 62386-102/Acc. to IEC 62386-207                                                                               |
| OT DX 75/220...240/1A0 DIMA LT2 E  | IP20                                                | Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 62384/Acc. to EN 55015:2006 + A1:2007 + A2:2009/Acc. to EN 61547/Acc. to FCC 47 part 15 class B/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 62386-101/Acc. to IEC 62386-102/Acc. to IEC 62386-207                                                                               |
| Product description                | Approval marks – approval                           |                                                                                                                                                                                                                                                                                                                                                 |
| OT DX 40/220...240/1A0 DIMA LT2 E  | CE / ENEC / VDE / VDE-EMC / CCC / EL / DALI-2 / D4i |                                                                                                                                                                                                                                                                                                                                                 |
| OT DX 165/220...240/1A0 DIMA LT2 E | CE / ENEC / VDE / VDE-EMC / CCC / EL                |                                                                                                                                                                                                                                                                                                                                                 |
| OT DX 110/220...240/1A0 DIMA LT2 E | CE / ENEC / VDE / VDE-EMC / CCC / EL                |                                                                                                                                                                                                                                                                                                                                                 |
| OT DX 75/220...240/1A0 DIMA LT2 E  | CE / ENEC / VDE / VDE-EMC / CCC / EL                |                                                                                                                                                                                                                                                                                                                                                 |

## Product family datasheet

### Logistical data

| Product description                | Commodity code |
|------------------------------------|----------------|
| OT DX 40/220...240/1A0 DIMA LT2 E  | 850440829000   |
| OT DX 165/220...240/1A0 DIMA LT2 E | 850440829000   |
| OT DX 110/220...240/1A0 DIMA LT2 E | 850440829000   |
| OT DX 75/220...240/1A0 DIMA LT2 E  | 850440829000   |

### Application advice

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

### Additional product information

- Default output current is 700 mA without any resistor connected to the LEDset port. As soon as the driver detects one time a resistor value within the resistor range of 4,7 kOhm (1050 mA) and 24,9 kOhm (200 mA) for more than 3 s, the driver activates the LEDset2 mode.
- The driver withstands an input voltage of up to 300 V AC for a maximum of two hours. An output load shutdown can occur in case the supply voltage exceeds the input voltage range defined.
- Shut down of output load happens if the input voltage of the load is below the allowed minimum output voltage of the driver. The driver automatically tries to switch on the load cyclically.
- The driver automatically reduces the output current in case the maximum allowed output power is exceeded, as long as the input voltage of the load is within the declared output voltage range of the driver. In all other cases the driver may shut down the load.
- The driver is protected against temporary overheating by automatically reduction of the output current.
- Several external NTCs are supported for temperature protection of the LED module or luminaire. The type of NTC can be selected in the programming software in the temperature based mode. By default the resistor based mode is activated with following values: start derating: 6.3 kOhm, end derating 5.0 kOhm, shut off: 4.3 kOhm, derating level 50 %.
- If the dimming mode is changed via NFC while the driver is not powered, one additional power on/off cycle is needed before the dimming mode becomes active.
- The constant lumen feature is disabled by default.
- If any output level is below the physical min level, the physical min level will be used.
- The driver is intended for luminaire built-in use.
- Mind the polarity of the DALI lines. DA+ to DA+, DA- to DA- only.
- The DEXAL interface is polarity sensitive, even if the DEXAL bus power supply in the driver is turned off. Therefore the polarity of all connected drivers should not be mixed.

### Sales and Technical Support

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

### Download Data

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

## Product family datasheet

|                                                                                     |                                                                           |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
|    | User instruction<br>OPTOTRONIC Outdoor                                    |
|    | Brochures<br>Technical Application Guide - 4DIMLT2 G2 CE LED drivers (EN) |
|    | Certificates<br>VDE ENEC Certificate 40043863                             |
|    | Certificates<br>OT VDE EMC 40044675 211119                                |
|    | Declarations of conformity<br>OT DX DIMA LT2 E CE 3745354 051219          |
|    | CAD data<br>CAD data IGS OT DX 401A0 DIMA LT2 E                           |
|    | CAD data<br>CAD data STEP OT DX 401A0 DIMA LT2 E                          |
|    | CAD data PDF<br>CAD data PDF OT DX 401A0 DIMA LT2 E                       |
|    | CAD data<br>CAD data IGS OT DX 1651A0 DIMA LT2 E                          |
|    | CAD data<br>CAD data STEP OT DX 1651A0 DIMA LT2 E                         |
|  | CAD data PDF<br>CAD data PDF OT DX 1651A0 DIMA LT2 E                      |
|  | CAD data<br>CAD data IGS OT DX 1101A0 DIMA LT2 E                          |
|  | CAD data<br>CAD data STEP OT DX 1101A0 DIMA LT2 E                         |
|  | CAD data PDF<br>CAD data PDF OT DX 1101A0 DIMA LT2 E                      |
|  | CAD data<br>CAD data IGS OT DX 751A0 DIMA LT2 E                           |
|  | CAD data<br>CAD data STEP OT DX 751A0 DIMA LT2 E                          |
|  | CAD data PDF<br>CAD data PDF OT DX 751A0 DIMA LT2 E                       |

## Logistical Data

| Product code  | Product description                   | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume                | Gross weight |
|---------------|---------------------------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4052899999664 | OT DX 40/220...240/1A0<br>DIMA LT2 E  | Shipping carton box<br>20    | 609 mm x 289 mm x 118 mm             | 20.77 dm <sup>3</sup> | 5264.00 g    |
| 4052899999695 | OT DX 165/220...240/1A0<br>DIMA LT2 E | Shipping carton box<br>10    | 303 mm x 285 mm x 205 mm             | 17.70 dm <sup>3</sup> | 11137.00 g   |
| 4052899999688 | OT DX 110/220...240/1A0<br>DIMA LT2 E | Shipping carton box<br>10    | 303 mm x 285 mm x 205 mm             | 17.70 dm <sup>3</sup> | 11137.00 g   |

## Product family datasheet

| Product code  | Product description               | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume                | Gross weight |
|---------------|-----------------------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4052899999671 | OT DX 75/220...240/1A0 DIMA LT2 E | Shipping carton box<br>10    | 385 mm x 300 mm x 125 mm             | 14.44 dm <sup>3</sup> | 3691.00 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  |
|------------------------------------|----------------|-----------------|
| OT DX 40/220...240/1A0 DIMA LT2 E  | OT DX SD BOX   | ▶ 4062172048002 |
| OT DX 165/220...240/1A0 DIMA LT2 E | OT DX SD BOX   | ▶ 4062172048002 |
| OT DX 110/220...240/1A0 DIMA LT2 E | OT DX SD BOX   | ▶ 4062172048002 |
| OT DX 75/220...240/1A0 DIMA LT2 E  | OT DX SD BOX   | ▶ 4062172048002 |

### Data privacy

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.

### Disclaimer

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