

## PRODUCT FAMILY DATASHEET

### OT 4DIM IP20 Outdoor

DALI, AstroDIM, StepDIM, MainsDIM – constant current LED drivers



#### AREAS OF APPLICATION

- 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

#### PRODUCT FAMILY BENEFITS

- 4DIM functionality in one device (StepDIM, AstroDIM, MainsDIM, DALI)
- Very high efficiency
- High surge protection: up to 10 kV (1 pulse) / 8 kV, in protection class I or II
- Low luminous efficacy tolerance through low output current tolerance of  $\pm 3\%$
- Great flexibility due to wide operating temperature range of  $-40...55\text{ }^{\circ}\text{C}$  or  $60\text{ }^{\circ}\text{C}$
- Protection through double isolation between mains input and LED output

#### PRODUCT FAMILY FEATURES

- Available with different wattage: 40 W, 60 W, 90 W, 165 W
- Input voltage: 120...277 V (40 W), 220...240 V (60 W, 90 W, 165 W)
- Current output range: 70...1,050 mA
- Flexible current setting with one additional wire (LEDset2)
- AstroDIM for autonomous dimming with five independent levels (astro, time mode)
- Allows for energy saving in twilight phases
- MainsDIM function for dimming via reduction of line voltage amplitude
- Isolated DALI interface for bidirectional telemanagement systems
- Standby power consumption: < 0.5 W
- Constant Lumen Output (CLO)
- Overtemperature protection via external NTC

TECHNICAL DATA

Electrical data

Product description	Nominal voltage	Input voltage AC	Mains frequency	Power factor $\lambda$	Device power loss	Inrush current	Max. ECG no. on circuit breaker 10 A (B)
OT 20/170...240/1A0 4DIMLT2 G2 CE	170...240 V	170...264 V	50...60 Hz	0.95/0.90	3.5 W	25 A <sup>1)</sup>	23
OT 40/120...277/1A0 4DIMLT2 E	120...277 V	108...305 V <sup>2)</sup>	50...60 Hz	0.95/0.90 <sup>3)</sup>	6.5 W <sup>4)</sup>	45 A <sup>5)</sup>	11 <sup>6)</sup>
OT 40/170...240/1A0 4DIMLT2 G2 CE	170...240 V	170...264 V	50...60 Hz	0.95/0.90	4.5 W	26 A <sup>10)</sup>	18
OT 60/170...240/1A0 4DIMLT2 E	220...240 V	170...264 V <sup>2)</sup>	50...60 Hz	0.95/0.90 <sup>3)</sup>	7.4 W <sup>4)</sup>	53 A <sup>11)</sup>	8 <sup>6)</sup>
OT 90/170...240/1A0 4DIMLT2 E	220...240 V	170...264 V <sup>2)</sup>	50...60 Hz	0.95/0.90 <sup>3)</sup>	9.6 W <sup>4)</sup>	57 A <sup>13)</sup>	8 <sup>6)</sup>
OT 110/170...240/1A0 4DIMLT2 G2 CE	220...240 V	170...240 V	50/60 Hz	0.95/0.90	8.0 W	65 A	7
OT 165/170...240/1A0 4DIMLT2 E	220...240 V	170...264 V <sup>2)</sup>	50...60 Hz	0.95/0.90 <sup>3)</sup>	13 W <sup>4)</sup>	62 A <sup>14)</sup>	5 <sup>6)</sup>

Product description	Max. ECG no. on circuit breaker 16 A (B)	Max. ECG no. on circuit breaker 25 A (B)	Surge capability (L/N-Ground)	Surge capability (L-N)	ECG efficiency
OT 20/170...240/1A0 4DIMLT2 G2 CE	36	57	10 kV	6 kV	87 %
OT 40/120...277/1A0 4DIMLT2 E	17 <sup>6)</sup>	28 <sup>6)</sup>	10 kV <sup>7)</sup>	6 kV <sup>8)</sup>	88.5 % <sup>9)</sup>
OT 40/170...240/1A0 4DIMLT2 G2 CE	28	43	10 kV	6 kV	90 %
OT 60/170...240/1A0 4DIMLT2 E	12 <sup>6)</sup>	20 <sup>6)</sup>	10 kV <sup>7)</sup>	6 kV <sup>8)</sup>	90.5 % <sup>9)</sup>
OT 90/170...240/1A0 4DIMLT2 E	12 <sup>6)</sup>	20 <sup>6)</sup>	10 kV <sup>7)</sup>	6 kV <sup>8)</sup>	91.5 % <sup>9)</sup>
OT 110/170...240/1A0 4DIMLT2 G2 CE	11	17	10 kV	6 kV	93 %
OT 165/170...240/1A0 4DIMLT2 E	8 <sup>6)</sup>	14 <sup>6)</sup>	10 kV <sup>7)</sup>	6 kV <sup>8)</sup>	92 % <sup>9)</sup>

Product description	Nominal output voltage
OT 20/170...240/1A0 4DIMLT2 G2 CE	10...38 V
OT 40/120...277/1A0 4DIMLT2 E	15...56 V
OT 40/170...240/1A0 4DIMLT2 G2 CE	15...56 V
OT 60/170...240/1A0 4DIMLT2 E	30...115 V <sup>12)</sup>
OT 90/170...240/1A0 4DIMLT2 E	57...186 V
OT 110/170...240/1A0 4DIMLT2 G2 CE	80...220 V
OT 165/170...240/1A0 4DIMLT2 E	95...285 V <sup>15)</sup>

<sup>1)</sup> At 150  $\mu$ s

<sup>2)</sup> Permitted voltage range

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

<sup>4)</sup> Maximum

<sup>5)</sup>  $t_{width} = 180 \mu$ s (measured at 50 %  $I_{peak}$ )

<sup>6)</sup> Type B

<sup>7)</sup> Single pulse 10kV / 12 Ohm (1.2/50  $\mu$ s)

<sup>8)</sup> @ 2 Ohm, acc. to EN61547

<sup>9)</sup> At full load and 230 V

<sup>10)</sup> At 180  $\mu$ s

<sup>11)</sup>  $t_{width} = 200 \mu$ s (measured at 50 %  $I_{peak}$ )

- 12) 35...115 V for output current >700 mA
- 13)  $t_{width} = 210 \mu s$  (measured at 50 %  $I_{peak}$ )
- 14)  $t_{width} = 330 \mu s$  (measured at 50 %  $I_{peak}$ )
- 15) 90...242 V for output current >680 mA

**Dimensions & weight**

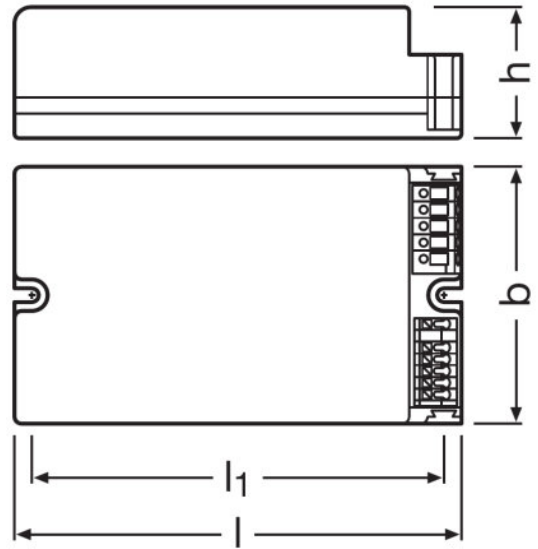
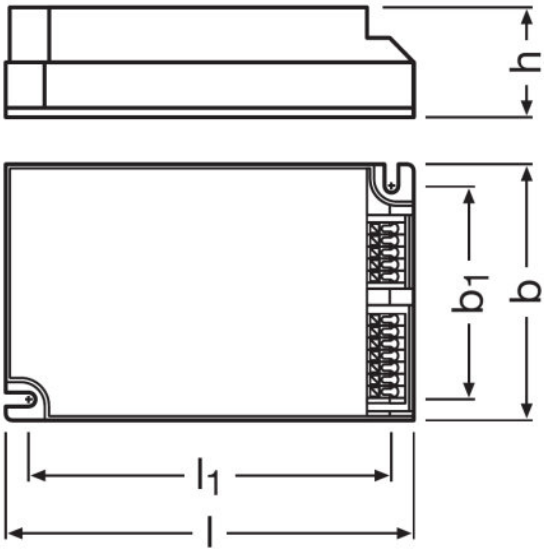
Product description	Length	Width	Height	Cable cross-section, input side	Cable cross-section, output side
OT 20/170...240/1A0 4DIMLT2 G2 CE	123.0 mm	79.0 mm	33.0 mm	0.2...1.5 mm <sup>2</sup>	0.2...1.5 mm <sup>2</sup>
OT 40/120...277/1A0 4DIMLT2 E	123.0 mm	79.0 mm	33.0 mm	0.2...1.5 mm <sup>2 1)</sup>	0.2...1.5 mm <sup>2 1)</sup>
OT 40/170...240/1A0 4DIMLT2 G2 CE	123.0 mm	79.0 mm	33.0 mm	0.2...1.5 mm <sup>2</sup>	0.2...1.5 mm <sup>2</sup>
OT 60/170...240/1A0 4DIMLT2 E	133.0 mm	77.0 mm	40.0 mm	0.25...2.5 mm <sup>2 1)</sup>	0.2...1.5 mm <sup>2 1)</sup>
OT 90/170...240/1A0 4DIMLT2 E	133.0 mm	77.0 mm	40.0 mm	0.25...2.5 mm <sup>2 1)</sup>	0.25...1.5 mm <sup>2 1)</sup>
OT 110/170...240/1A0 4DIMLT2 G2 CE	150.0 mm	90.0 mm	40.0 mm	0.2...1.5 mm <sup>2</sup>	0.2...1.5 mm <sup>2</sup>
OT 165/170...240/1A0 4DIMLT2 E	170.0 mm	100.0 mm	40.0 mm	0.25...2.5 mm <sup>2 1)</sup>	0.2...1.5 mm <sup>2 1)</sup>

Product description	Wire preparation length, input side
OT 20/170...240/1A0 4DIMLT2 G2 CE	8.5...9.5 mm
OT 40/120...277/1A0 4DIMLT2 E	8.5...9.5 mm
OT 40/170...240/1A0 4DIMLT2 G2 CE	8.5...9.5 mm
OT 60/170...240/1A0 4DIMLT2 E	10...11 mm <sup>2)</sup>
OT 90/170...240/1A0 4DIMLT2 E	10...11 mm <sup>2)</sup>
OT 110/170...240/1A0 4DIMLT2 G2 CE	8.5...9.5 mm
OT 165/170...240/1A0 4DIMLT2 E	10...11 mm <sup>2)</sup>

1) Flexible

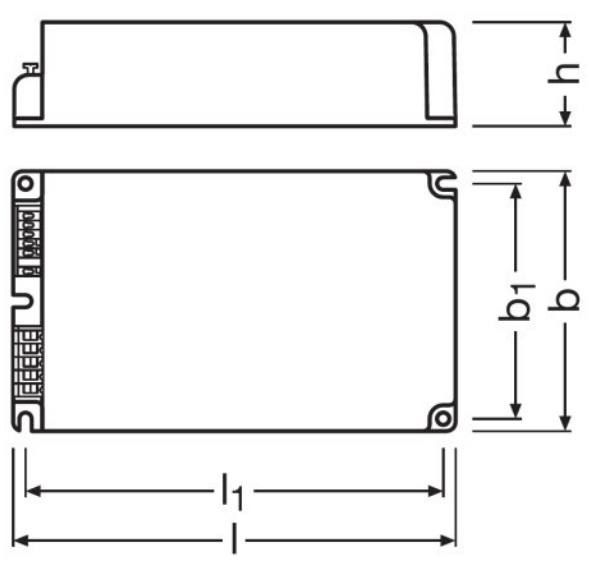
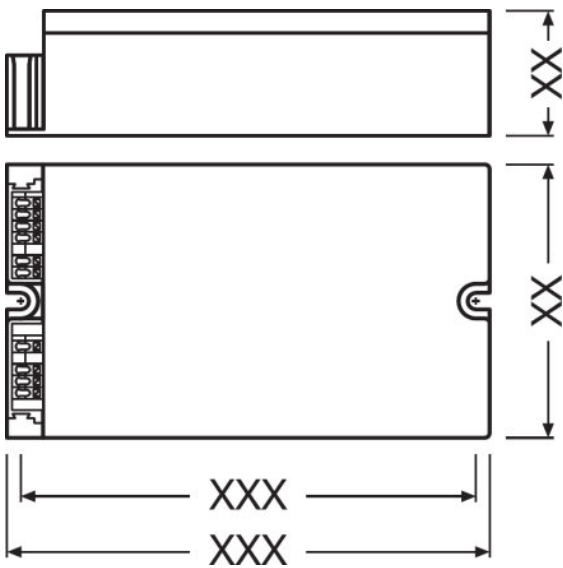
2) Equipotential pole 8.5...9.5

Product line drawing



OT 20/170...240/1A0 4DIMLT2 G2 CE, OT 40/120...277/1A0 4DIMLT2 E, OT 40/170...240/1A0 4DIMLT2 G2 CE

OT 60/170...240/1A0 4DIMLT2 E, OT 90/170...240/1A0 4DIMLT2 E



OT 110/170...240/1A0 4DIMLT2 G2 CE

OT 165/170...240/1A0 4DIMLT2 E

**Temperatures & operating conditions**

Product description	Ambient temperature range	Maximum temperature at tc test point	Max.housing temperature in case of fault	Permitted rel. humidity during operation
OT 20/170...240/1A0 4DIMLT2 G2 CE	-40...+60 °C	75 °C	120 °C	5...85 % <sup>1)</sup>
OT 40/120...277/1A0 4DIMLT2 E	-40...+60 °C	80 °C <sup>2)</sup>	120 °C	5...85 % <sup>3)</sup>
OT 40/170...240/1A0 4DIMLT2 G2 CE	-40...+60 °C	80 °C	120 °C	5...85 % <sup>1)</sup>
OT 60/170...240/1A0 4DIMLT2 E	-40...+60 °C	85 °C <sup>2)</sup>	120 °C	5...85 % <sup>3)</sup>
OT 90/170...240/1A0 4DIMLT2 E	-40...+55 °C	90 °C <sup>2)</sup>	120 °C	5...85 % <sup>3)</sup>
OT 110/170...240/1A0 4DIMLT2 G2 CE	-40...+55 °C	85 °C	110 °C	5...85 % <sup>1)</sup>
OT 165/170...240/1A0 4DIMLT2 E	-30...+55 °C	85 °C <sup>2)</sup>	120 °C	5...85 % <sup>3)</sup>

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

<sup>2)</sup> Maximum at the T<sub>c</sub>-point

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

**Lifespan**

Product description	ECG lifetime
OT 20/170...240/1A0 4DIMLT2 G2 CE	50000 / 100000 h <sup>1)</sup>
OT 40/120...277/1A0 4DIMLT2 E	85000 h <sup>2)</sup>
OT 40/170...240/1A0 4DIMLT2 G2 CE	50000 / 100000 h <sup>3)</sup>
OT 60/170...240/1A0 4DIMLT2 E	85000 h <sup>4)</sup>
OT 90/170...240/1A0 4DIMLT2 E	85000 h <sup>5)</sup>
OT 110/170...240/1A0 4DIMLT2 G2 CE	50000 / 100000 h <sup>6)</sup>
OT 165/170...240/1A0 4DIMLT2 E	85000 h <sup>4)</sup>

<sup>1)</sup> At maximum T<sub>c</sub> = 75°C / 10% failure rate

<sup>2)</sup> At T<sub>case</sub> = 70°C at T<sub>c</sub> point / 10% failure rate

<sup>3)</sup> At maximum T<sub>c</sub> = 80°C / 10% failure rate

<sup>4)</sup> At T<sub>case</sub> = 75°C at T<sub>c</sub> point / 10% failure rate

<sup>5)</sup> At T<sub>case</sub> = 80°C at T<sub>c</sub> point / 10% failure rate

<sup>6)</sup> At maximum T<sub>c</sub> = 85°C / 10% failure rate

**Expected Lifetime**

Product name				
OT 40/120...277/1A0 4DIMLT2 E	ECG ambient temperature [ta]	60	50	47
	Temperature at tc-point [°C]	80	70	67
	Lifetime [h]	50000 <sup>1)</sup>	85000 <sup>1)</sup>	100000 <sup>1)</sup>
OT 60/170...240/1A0 4DIMLT2 E	ECG ambient temperature [ta]	60	50	47
	Temperature at tc-point [°C]	85	75	72
	Lifetime [h]	50000 <sup>2)</sup>	85000 <sup>2)</sup>	100000 <sup>2)</sup>
OT 90/170...240/1A0 4DIMLT2 E	ECG ambient temperature [ta]	55	45	42
	Temperature at tc-point [°C]	90	80	77
	Lifetime [h]	50000 <sup>3)</sup>	85000 <sup>3)</sup>	100000 <sup>3)</sup>
OT 165/170...240/1A0 4DIMLT2 E	ECG ambient temperature [ta]	55	45	43
	Temperature at tc-point [°C]	85	75	72
	Lifetime [h]	50000 <sup>4)</sup>	85000 <sup>4)</sup>	100000 <sup>4)</sup>

- <sup>1)</sup> Max. 10% failure rate at tc max and input voltage 230 V<sub>AC</sub>
- <sup>2)</sup> Max. 10% failure rate at tc max and input voltage 230 V<sub>AC</sub>
- <sup>3)</sup> Max. 10% failure rate at tc max and input voltage 230 V<sub>AC</sub>
- <sup>4)</sup> Max. 10% failure rate at tc max and input voltage 230 V<sub>AC</sub>

**Capabilities**

Product description	Dimmable	Overheating protection	Overload protection	Max. cable length to lamp/LED module
OT 20/170...240/1A0 4DIMLT2 G2 CE	Yes	Automatic reversible	Automatic reversible	2.0 m
OT 40/120...277/1A0 4DIMLT2 E	Yes	Automatic reversible	Automatic reversible	2.0 m
OT 40/170...240/1A0 4DIMLT2 G2 CE	Yes	Automatic reversible	Automatic reversible	2.0 m
OT 60/170...240/1A0 4DIMLT2 E	Yes	Automatic reversible	Automatic reversible	2.0 m
OT 90/170...240/1A0 4DIMLT2 E	Yes	Automatic reversible	Automatic reversible	2.0 m
OT 110/170...240/1A0 4DIMLT2 G2 CE	Yes	Automatic reversible	Automatic reversible	10 m
OT 165/170...240/1A0 4DIMLT2 E	Yes	Automatic reversible	Automatic reversible	2.0 m

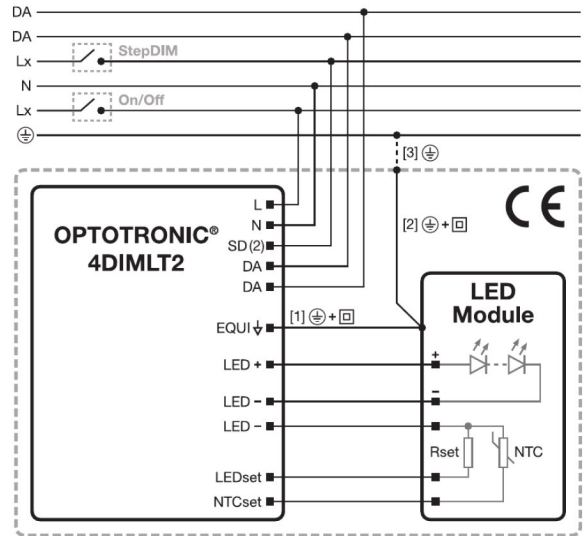
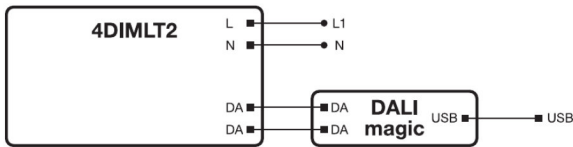
## Certificates &amp; standards

Product description	Type of protection	Standards
OT 20/170...240/1A0 4DIMLT2 G2 CE	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/UL-8750
OT 40/120...277/1A0 4DIMLT2 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/UL-8750
OT 40/170...240/1A0 4DIMLT2 G2 CE	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/UL-8750
OT 60/170...240/1A0 4DIMLT2 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 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 90/170...240/1A0 4DIMLT2 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 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 110/170...240/1A0 4DIMLT2 G2 CE	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/UL-8750
OT 165/170...240/1A0 4DIMLT2 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 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

## Logistical data

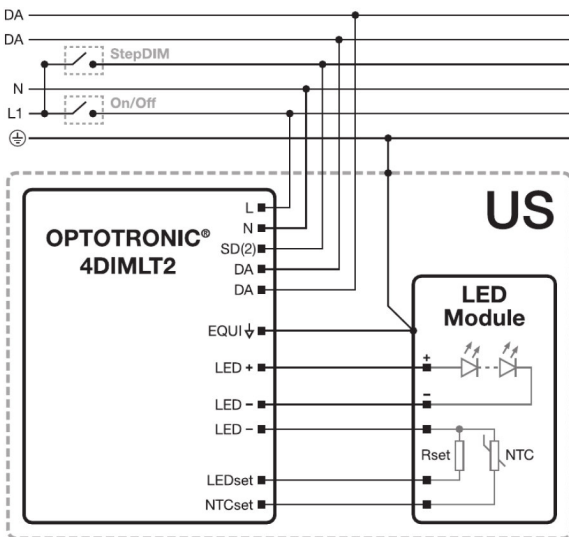
Product description	Temperature range at storage
OT 20/170...240/1A0 4DIMLT2 G2 CE	-25...85 °C
OT 40/120...277/1A0 4DIMLT2 E	-25...80 °C
OT 40/170...240/1A0 4DIMLT2 G2 CE	-25...85 °C
OT 60/170...240/1A0 4DIMLT2 E	-25...80 °C
OT 90/170...240/1A0 4DIMLT2 E	-25...80 °C
OT 110/170...240/1A0 4DIMLT2 G2 CE	-40...+85 °C
OT 165/170...240/1A0 4DIMLT2 E	-25...80 °C

Wiring Diagram



OT 40/120...277/1A0 4DIMLT2 E, OT 60/170...240/1A0 4DIMLT2 E, OT 90/170...240/1A0 4DIMLT2 E, OT 165/170...240/1A0 4DIMLT2 E

OT 40/120...277/1A0 4DIMLT2 E, OT 60/170...240/1A0 4DIMLT2 E, OT 90/170...240/1A0 4DIMLT2 E, OT 165/170...240/1A0 4DIMLT2 E



OT 40/120...277/1A0 4DIMLT2 E

EQUIPMENT / ACCESSORIES

- DALI magic hardware for configuring 4DIM ECGs necessary



- Programmable via Tuner4TRONIC software

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## APPLICATION ADVICE

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

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## 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 2.37 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 350 Vac for a maximum of two hours. Shut down of output load might occur in case the supply voltage exceeds the declared input voltage range.
- 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.
- In case the input voltage of the load exceeds the output voltage range of the driver, it automatically reduces the output current to keep the output voltage controlled to the maximum allowed output voltage.
- The driver automatically reduces the output current in case the maximum allowed output power is exceeded.
- The driver automatically adjusts the output voltage to the maximum output voltage if no load is connected and switches off the load after some seconds. Hot-plug of the load or external switching on the secondary side is not allowed.
- The driver is protected against temporary overheating by automatic reduction of the output current down to 30 % and then switches off.
- The EQUI pin shall be connected to the heat sink of the LED module to improve the surge withstand capability of the system and EMI in critical luminaires.
- 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 %.
- The default dimming mode is StepDIM / AstroDIM / DALI (wiring selection) with following values for:- StepDIM: 100 % on, 50 % dimming level if SD port is active, fade time 180 s- AstroDIM: 100 % on, 50 % dimming level, 6 h dimming duration, start of dimming duration 2 h before the middle of the average switched-on time, fade time 180 s
- The constant lumen feature is disabled by default.
- For MainsDIM dimming mode and for 170 Vac input voltage condition the output power should not exceed 85 % of the maximum declared output power.
- For input voltage of 170...190 Vac, the maximum allowed output power is linear limited starting from 100 % at 190 Vac down to 85 % at 170 Vac, except for the 40 W type.
- If any output level is below the physical min level, the physical min level will be used.
- In case the 3DIM and 4DIMLT2 devices are operated on one common control phase connected to SD input the 3DIM devices needs to have a relay as described in the 3DIM application guide.
- The SD port is suitable for three phase systems with 220...240 Vac, for other input voltages only single phase systems are supported.
- For further details please consult the 4DIMLT2 application guide.


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## SALES AND TECHNICAL SUPPORT

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

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## DOWNLOAD DATA

File	
	Certificates VDE ENEC Certificate 40043863

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	Certificates VDE EMC Certificate 40038482
	Certificates VDE ENEC Certificate 40043863 appendix
	Certificates CB Certificate DE1-59452
	Certificates VDE EMC Certificate 40044675 (EN)
	Certificates CCC Certificate 2018171002002021
	Certificates RCM Certificate CS10824N
	Certificates OT outdoor ENEC 40050684 100220
	Certificates OT Outdoor CB DE1 62952 100220
	Certificates OT EMC 40050085 200220
	Declarations of conformity EU Declaration of Conformity 3584649
	Declarations of conformity EATON(CEAG)-Conformity declaration AM04626_OT20_170-240_1A0_4DIMLT2_G2_CE
	Declarations of conformity INOTEC- Conformity declaration AM04626_OT20_170-240_1A0_4DIMLT2_G2_CE
	Declarations of conformity EU Declaration of Conformity 3806542
	CAD data CAD data STEP OT 20170-2401A0 4DIMLT2 G2 CE
	Certificates 725971_Certificate OT40 4DIM
	Certificates VDE EMC Certificate 40038827
	Certificates 724028_EATON (CEAG)_requirements for DALI control gears LED V2.11 OT 40 4DIM LT2E
	Certificates 724035_INOTEC Requirements for control gears DALI V1 OT40 4DIMLT2E
	Declarations of conformity 712567_Declaration of Conformity OT 4 DIM LT2 E
	Declarations of conformity 539443_UL-Certificate OT 40120-2771A0 4DIMLT2 E
	Declarations of conformity 607414_Synergrid Conformity 4DIMLT2
	Declarations of conformity Declaration of Conformity 3547530
	Declarations of conformity EATON(CEAG)-Conformity declaration AM04628_OT40_170-240_1A0_4DIMLT2_G2_CE
	Declarations of conformity INOTEC- Conformity declaration AM04628_OT40_170-240_1A0_4DIMLT2_G2_CE

	CAD data CAD data STEP OT 40170-2401A0 4DIMLT2 G2 CE
	Certificates 725972_Certificate OT60 4 DIM
	Certificates 724029_EATON (CEAG) requirements for DALI control gears LED V2.11 OT 60 4DIM LT2E
	Certificates 724033_INOTEC Requirements for control gears DALI V1 OT60 4DIMLT2E
	Certificates 725973_Certificate OT90 4DIM
	Certificates 541182_CB certificate 40W 60W 90W 4DIM
	Declarations of conformity EATON(CEAG)-Conformity declaration AA66408_OT90_170-240_1A0_4DIMLT2_E
	Declarations of conformity INOTEC- Conformity declaration AA66408_OT90_170-240_1A0_4DIMLT2_E
	User instruction OPTOTRONIC Outdoor
	Certificates CB Test Certificate DE1-60243
	Certificates CCC Certificate 2018171002002265
	Declarations of conformity EU Declaration of Conformity 3629845
	Declarations of conformity EATON(CEAG)-Conformity declaration AM03548 OT 110170-2401A0 4DIMLT2 G2 CE
	Declarations of conformity INOTEC-Conformity declaration AM03548 OT 110170-2401A0 4DIMLT2 G2 CE
	CAD data CAD data STEP OT 110170-2401A0 4DIMLT2 G2 CE
	Certificates 685777_CB-Certificate-165W 4DIM
	Certificates 725970_Certificate OT165 4DIM
	Certificates Certificate of Suitability CS10597N
	Certificates Certificate of Suitability CS10597N - addendum
	Declarations of conformity EATON(CEAG)-Conformity declaration AA67486_OT165_170-240_1A0_4DIMLT2_E
	Declarations of conformity INOTEC- Conformity declaration AA67486_OT165_170-240_1A0_4DIMLT2_E

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899982017	Shipping carton box 20	400 mm x 277 mm x 111 mm	4651.00 g	12.30 dm <sup>3</sup>
4052899173767	Shipping carton box 20	418 mm x 255 mm x 82 mm	5549.00 g	8.74 dm <sup>3</sup>
4052899982024	Shipping carton box 20	400 mm x 277 mm x 111 mm	4651.00 g	12.30 dm <sup>3</sup>
4052899925236	Shipping carton box 20	500 mm x 335 mm x 150 mm	6634.00 g	25.13 dm <sup>3</sup>
4052899173729	Shipping carton box 20	609 mm x 289 mm x 118 mm	7340.00 g	20.77 dm <sup>3</sup>
4052899982048	Shipping carton box 10	385 mm x 300 mm x 125 mm	8141.00 g	14.44 dm <sup>3</sup>
4052899925250	Shipping carton box 10	303 mm x 285 mm x 205 mm	11637.00 g	17.70 dm <sup>3</sup>

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.