

OT 100/220-240/700 P7 (PHASE OUT)

OPTOTRONIC - ON/OFF IP67 | Constant current LED drivers



Product family features

Product family benefits

- High surge protection: up to 10 kV
- High efficiency (up to 94%)
- Fix current for optimized fixture design
- Over temperature protection
- IP rating: IP67 (Independent installation)
- Long lifetime

Areas of application

- Street and urban lighting
- Industry lighting
- Suitable for luminaires of protection class I

Technical data

Electrical data

Nominal input voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V
Total harmonic distortion	< 5 % ¹⁾
Power factor λ	> 0.95 ¹⁾
Efficiency in full-load	91.5 % ²⁾
Device power loss	9.2 W ³⁾
Inrush current	55 A ⁴⁾
Max. ECG no. on circuit breaker 10 A (B)	4
Max. ECG no. on circuit breaker 16 A (B)	7
Max. ECG no. on circuit breaker 25 A (B)	12
Surge capability (L-N)	6 kV
Surge capability (L/N-Ground)	10 kV
Nominal output voltage	100...143 V
U-OUT (working voltage)	160 V
Nominal output current	700 mA
Output current tolerance	±5 %
Output ripple current (100 Hz)	< 5 %
Nominal output power	70...100 W
Maximum output power	100 W

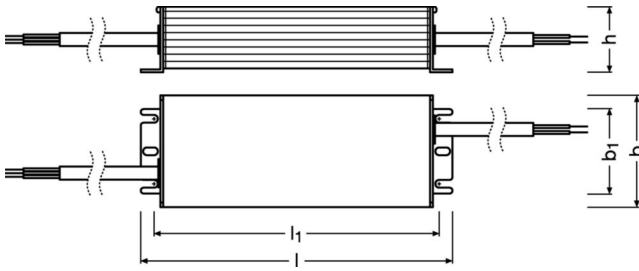
1) $\geq 70\%$ load

2) at 230 V, 50 Hz

3) V_{in} 230v 50Hz

4) Max, $t_h = 400 \mu s$

Dimensions & weight



Product weight	560.00 g
Length	167.0 mm
Width	60.0 mm
Height	33.0 mm
Mounting hole spacing, length	153.0 mm
Mounting hole spacing, width	34.0 mm
Cable cross-section, input side	1.0 mm ²
Cable cross-section, output side	1.0 mm ²
Wire preparation length, input side	10 mm
Wire preparation length, output side	10 mm
Cable/wire length, input side	500 mm ¹⁾
Cable/wire length, output side	300 mm ¹⁾

1) ± 20 mm

Temperatures & operating conditions

Ambient temperature range	-40...+55 °C
Maximum temperature at tc test point	85 °C
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-40...+85 °C
Permitted rel. humidity during operation	5...95 % ¹⁾

1) Non condensing, absolute humidity: 36g/m³

Lifespan

ECG lifetime	50000 h ¹⁾
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1) At maximum $T_c = 80^\circ\text{C}$ / 10% failure rate

Capabilities

Programming interface	not relevant
Dimmable	No
Max. cable length to lamp/LED module	2.0 m ¹⁾
Suitable for fixtures with prot. class	I
Type of connection, input side	Wires
Type of connection, output side	Wires
Number of channels	1
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
Intended for no-load operation	No

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

Programming

Programming device	not relevant
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Certificates & standards

Approval marks – approval	CE / CCC / TISI / RCM / ENEC 25
Standards	EN 61347-1 / EN 61347-2-13 / EN 55015 / EN 61547 / EN 61000-3-2 / EN 61000-3-3 / EN 62384 / EN 60598-1 (ED.8)
Type of protection	IP67

Logistical data

Commodity code	85044083900
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	19-02-2025
Primary Article Identifier	4062172087032
Declaration No. in SCIP database	In work
SCIP_STATUS	In work
SCIP_ID	

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.

Download Data

File		
User instruction	PDF	▶ UI OT P7

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172087032	OT 100/220-240/700 P7	Shipping carton box 15 Pieces	389 x 239 x 183 mm	17.01 dm ³	592.80 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.