OPTOTRONIC® OT 30/220-240/12 P Constant Voltage LED Powe LED - Modules	er Supply for 12V Technical data		
SUPPLY			
Reference:	OT 30/220-240/12 P		
For LED modules:	12V LED Modules with respect to the output parameters: BackLED and BoxLED		
Nominal Voltage:	220 – 240 V _{AC}		
Line current, nominal:	0,19 A@230 V		
Mains frequency:	50/60 Hz		
Protection Class:	Ш		
Output voltage:	12,5V DC		
(Remark)	+/- 0,5V		
Maximum output power:	30 W (at steady state)		
Rated Power factor:	> 0,95 (full load) @ 230V		
Power loss:	> 0,90 (half load) @ 230V 5 W max.		
Efficiency in full	83 % @ 230V		
load:	full load at 230 V, 50 Hz		
Power loss in no load condition:	<1W		
Input Voltage:	198 - 264 V _{AC}		
(Remark)	Permitted Voltage Range		
DC voltage operation:	No		
Inrush current:	≤ 31 A		
(Remark)	t _{width =} 160µs(measured at 50% I _{peak})		
Max. no. of ECG @ circuit breakers 10 A (B type):	13		
Max. no. of ECG @ circuit breakers 16 A (B type):	21		
Ambient temperature range, ta:	-25 °C to +55 °C		
Temperature range at storage	-30 °C to +85°C		
Max. case temperature at tc point:	+80°C		
ECG Life time:	50.000h		
(Remark)	at $t_{case} = +70 \text{ °C}$ at t_c point and 10% failure rate		
Maximum casing temperature in case of fault:	100°C		
Dimmable:	No		
No-load proof:	Yes		
Intended for no-load operation:	No (secondary switching not allowed)		
Short circuit protection:	Automatic, reversible		
Overload protection:	Automatic, reversible		
Overtemperature protection:	Automatic, reversible		

Page 1 of 4



OPTOTRONIC® OT 30/220-240/12 P Constant Voltage LED Power Supply for 12V LED - Modules

Technical Information

Edition: Sept 2021 subject to change

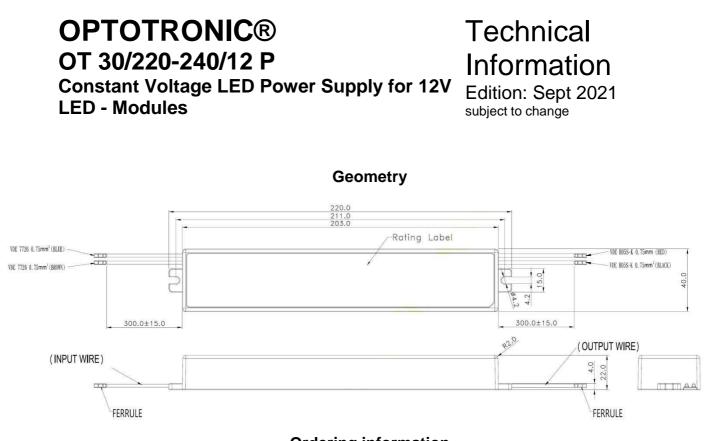
Cable cross section input side:	1,0 mm² / 17 AWG	
Cable cross section output side:	1,0 mm²/ 17 AWG	
Cable types, Input side :	Flexible	
(Remark)	~300 mm	
	colour coding L: brown	
	N: blue	
Cable types, Output side:	Flexible	
(Remark)	~300 mm	
	colour coding LEDModule (+): red	
	LEDModule (-): black	
Wire preparation length, input side:	10 mm	
Wire preparation length, output side	10 mm	
Max. cable length-system:	10 m	
Geometry (I x w x h)	220 x 40 x 22 mm ³	
Mounting hole spacing, length:	213 mm	
Weight:	330 g	
Casing:	Plastic, White	
IP Code:	IP66	
Suitable for fixtures with	11	
protection class:	11	
ECG outdoor protection against	PCB fully encapsulated + dust proof plastic	
humidity:	housing	
Safety:	IEC 61347-1, IEC 61347-2-13	
Performance:	IEC 62384	
Radio interference:	CISPR 15	
Harmonic content:	IEC 61000-3-2	
Immunity:	IEC 61547	
Vibration tested:	Yes	
Surge capability	L-N: 4kV	
Galvanic insulation	3,75 kV _{rms} ,	
primary/secondary:		
(Remark)	SELV - equivalent	

Approvals:



Page 2 of 4





Ordering information

	EAN 10	EAN 40
OT 30/220-240/12 P	4052899905542	4052899905573

Installation notes

- 1. The luminaire manufacturer is responsible for providing the required clearances and creepage distances and also for the protection against electrical shock, especially for the line and load wires.
- Ballast losses and LED Module heat radiation can lead to heat accumulation in a complete closed case. Therefore it is necessary to ensure, that the temperature at the measuring point t_c does not exceed the maximum value.

Instruction sheet

Please consult the instruction sheet for further important information on e.g. wire stripping and wiring limitations in system installations. The instruction sheet is enclosed with the device or available upon request.

Remarks

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.

Page 3 of 4



OPTOTRONIC® OT 30/220-240/12 P **Constant Voltage LED Power Supply for 12V LED - Modules**

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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.

