

OT FIT 30/220...240/700 CS PC

OPTOTRONIC Phase-cut OT FIT | Compact constant current LED drivers



Areas of application

- Decorative illumination
- Downlights, flat luminaires
- Hospitality
- Living areas
- Museums, residential buildings
- Offices
- Shop lighting
- Suitable for indoor SELV installations
- Suitable for luminaires of protection class I and II

Product family benefits

- Compatible with the most common leading-edge and trailing-edge phase dimmers
- Flexible current setting (DIPswitch – 2 to 4 currents)
- Flicker-free dimming
- Higher quality of light thanks to < 5% output ripple current

Product family features

- Cable clamp housing for independent mounting
- Dimmable on the leading edge and trailing edge
- Housing for independent installation

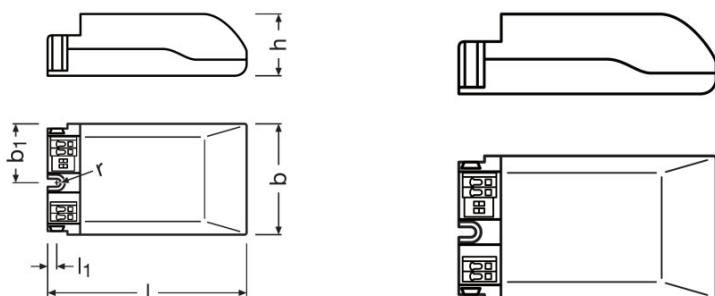


Technical data

Electrical data

Nominal input voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V
Total harmonic distortion	< 20 %
Power factor λ	> 0.90
ECG efficiency	84 %
Device power loss	5.0 W
Protective conductor current	<0.7 mA
Inrush current	< 10 A
Max. ECG no. on circuit breaker 10 A (B)	26
Max. ECG no. on circuit breaker 10 A (C)	26
Max. ECG no. on circuit breaker 16 A (B)	41
Max. ECG no. on circuit breaker 16 A (C)	41
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Nominal output voltage	27...40 V
U-OUT (working voltage)	60 V
Nominal output current	500 / 700 mA
Output current tolerance	± 10 %
Output ripple current (100 Hz)	< 5 %
Output PSTLM	≤ 1
Output SVM	≤ 0.4
Nominal output power	13.5...28 W
Galvanic isolation	SELV
Current set	DipSwitch

Dimensions & weight



Product weight	109.00 g
Cable cross-section, input side	0.5...1.5 mm ²
Cable cross-section, output side	0.5...1.5 mm ²
Wire preparation length, input side	7...8 mm
Wire preparation length, output side	7...8 mm
Length	95.0 mm
Width	53.0 mm
Height	30.0 mm

Colors & materials

Casing material	Plastic
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Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	75 °C
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-40...+85 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	35000 / 50000 h ¹⁾
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¹⁾ At $T_{case} = 75^{\circ}C$ at $T_{c \text{ point}}$ / 10% failure rate / At $T_{case} = 65^{\circ}C$ at $T_{c \text{ point}}$ / 10% failure rate

Additional product data

Encapsulated	No
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Capabilities

Dimmable	Yes
Dimming interface	Phase Cut ¹⁾
Dimming range	5...100 %
Dimming method	Amplitude Modulation
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Max. cable length to lamp/LED module	2.0 m
Suitable for fixtures with prot. class	I / II
Type of connection, input side	Push terminal
Type of connection, output side	Push terminal
Control interface	-
Detection angle (Light sensor)	-
Detection angle (PIR)	-
Number of channels	1

¹⁾ Leading edge / Trailing edge

Programming

Tuner4TRONIC	No
Tuner4TRONIC Field App	No


Certificates & standards

Approval marks – approval	CE
Standards	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to IEC 6100-4-5/Acc. to IEC 61547
Protection class	II
Type of protection	IP20

Logistical data

Commodity code	850440829000
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Download Data

File	
	User instruction OPTOTRONIC LED Power Supply

Product datasheet

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899617308	OT FIT 30/220...240/700 CS PC	Shipping carton box 20	284 mm x 207 mm x 100 mm	5.88 dm ³	2458.00 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.