

Light is OSRAM

OSRAM

Product data sheet: OPTOTRONIC® OT FIT 15/220-240/350 NFC

Compact constant current LED driver with NFC
Compact SELV NFC driver

Benefits

Super compact SELV NFC LED driver 14W
Fast programming / current set via NFC*
For independent installation

Applications

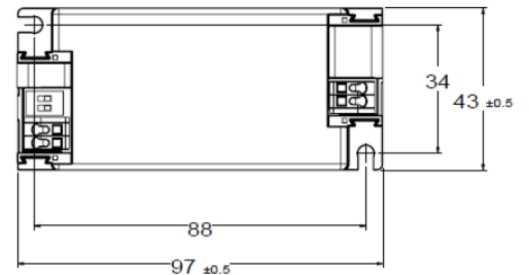
Spots and downlights
Office – Shop - Hospitality

Approbations & Certifications CE, ENEC, CCC

In preparation, if not already printed on the label

*For more information please refer to Tuner4TRONIC

Housing material: plastic, white.



Product Features

- Output current range 150-350mA
- NFC Interface
- Low LF-ripple < 5%
- 5 years guarantee
- 50'000 h lifetime at tc max

Electrical Specifications

	Item	Value	Unit	Remarks
INPUT	Nominal voltage	220 – 240	V	
	Nominal frequency	50 / 60	Hz	
	AC voltage range	198 – 264	V	
	DC voltage range	NA	V	
	Maximum voltage	275	Vac	2 h maximum, unit might not operate in this abnormal condition
	Nominal current	0.08	A	
	Total Harmonic Distortion (THD)	< 10	%	Full load
	Power factor	0.98		Full load, 220 – 240 V, 50 Hz / see graphs
	Efficiency(Typical)	85	%	Full load, 220 – 240 V, 50 Hz / see graphs
	Protection class	II		
	Inrush current	20	A pk	th = 200 μs
Max. units per circuit breaker	B16: 60 B10: 40			
OUTPUT	Nominal voltage range	18 – 40	V	
	Maximum voltage	< 60	Vdc	w/ Open Circuit
	Nominal current range	150 – 350	mA	Default current 150mA
	Current accuracy	+/- 7.5	%	
	Current ripple 100Hz	< 5	%	
	Nominal power range	2.7 – 14	W	
	Maximum power	14	W	
	Galvanic isolation	SELV		
Dimming	Dimming control	NA		
	Dimming method	NA		
	Dimming range	NA	%	
	Dimming Standard	NA		
ENVIRONMENT	Ambient temperature range t_a	-20 ...+50	°C	
	Maximum case temperature t_c	70	°C	Measured on t_c point indicated of the product label
	Max. case temp. in fault condition	110	°C	
	Storage temperature range	-25 ...+85	°C	
	Relative humidity	5 ... 85	%	Not condensing
	Surge transient protection	1 2	kV	L/N LN/PE acc to. EN 61547 Clause 5.7
	Environmental rating	Indoor		
	IP rating	IP 20		
	Mains switching cycles	> 100'000		
	Expected lifetime	50'000 100'000	h	$t_c = 70^{\circ}\text{C}$, 0.2% / 1'000 h failure rate $t_c = 60^{\circ}\text{C}$, 0.1% / 1'000 h failure rate

NFC compatible with MD SIG standard

Protections

Over temperature

Yes

Overload

Yes

No load

Yes

Short-circuit

Yes

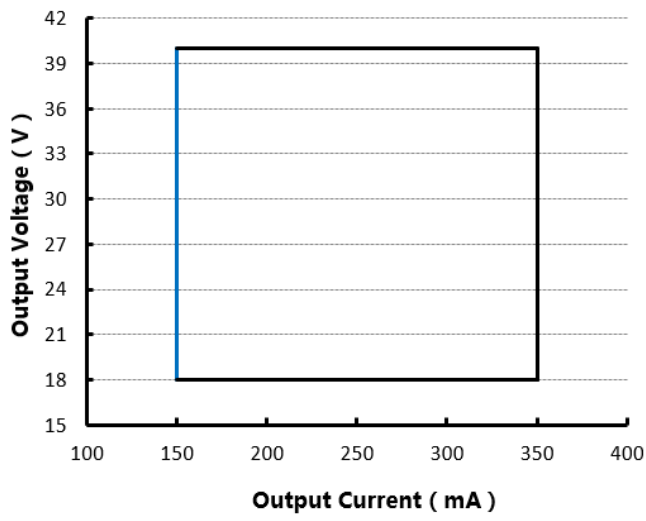
Input overvoltage

Maximum allowed input voltage 275V AC

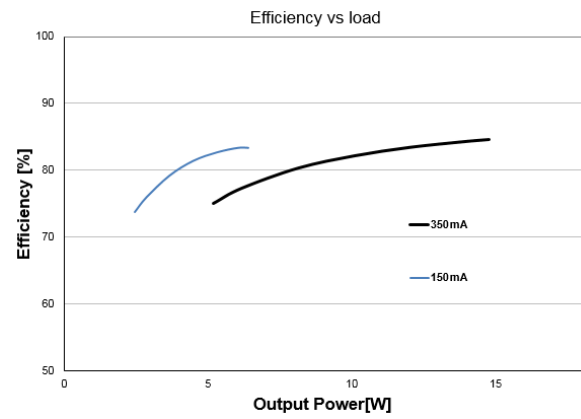
Output overvoltage

Yes, Limitation of Output voltage < 60V

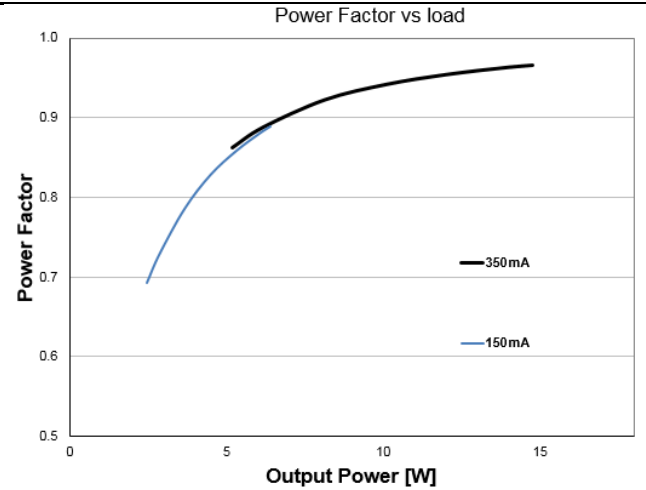
Typical Operating window



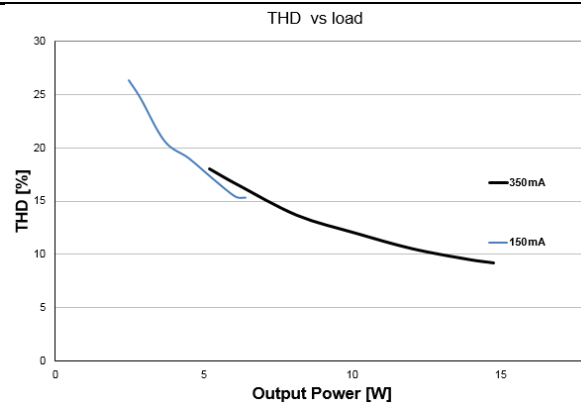
Typical Efficiency vs Load (230V/ 50Hz,)



Typical Power factor vs Load



Typical THD vs Load



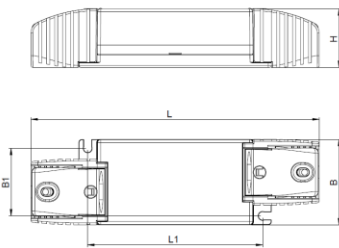
Wiring Diagram

Terminal:	Push in terminals
Max. cable length - system:	2 m
Geometry (l x b x h):	97 x 43 x 29.5 mm
Weight:	80 g

For build-in S: 0.5-1.5, for independent S: 0.75-1.5

Hot plug-in or secondary switching of LEDs is not permitted and may cause a very high current to the LEDs.

An optional cable clamp is available. This cable clamp can be snapped onto the ECG and thus converts it into an ECG suitable for independent installation.



L	145mm
L1	88mm
B	43mm
B1	34mm
1	29.5mm

Product type	EAN10	EAN40
OT FIT 15/220-240/350 NFC VS20 OSRAM	4052899617179	4052899617636

Remarks

- **Input over voltage protection: mains up to 275 Vac**, for 2 hours maximum, will not destroy both the unit and the load; shut down of load might occur in this condition.
- **Touch current:** lower than 0.7 mA, according to EN 60598-1 annex. G and EN 61347-1 annex A

Standards

IEC 61347-1; IEC 61347-2-13; IEC 62384; EN 55015; IEC 62386; IEC 61000-3-2; IEC 61000-3-3
IEC 61547: CISPR 15

Manufacturer's address:

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OSRAM