OSRAM
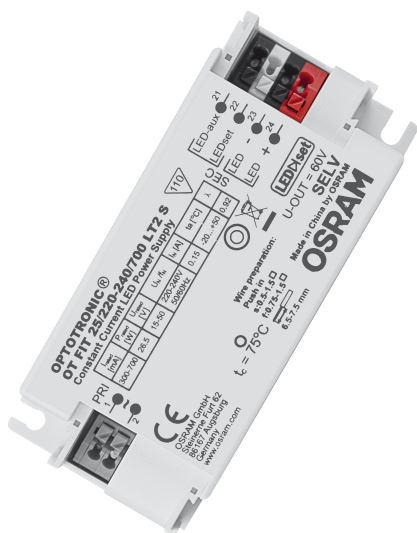
PRODUCT DATASHEET
OT FIT 25/220…240/700 LT2 S

OPTOTRONIC® FIT LT2 S | Constant Current - Indoor - on/off

Areas of application

– Luminaires with flexible current setting (LEDset2)
– Suitable for indoor SELV installations
– Suitable for luminaires of protection classes I and II
– Suitable for downlights, spotlights and LED panels
– Independent mounting via Cable Clamp Kit possible

Product benefits

– Versatile scope of application due to output power range of up to 40 W
– Fulfill safety requirement due to overload, overtemperature protection
– High efficiency
– High quality of light thanks to <1% output ripple current
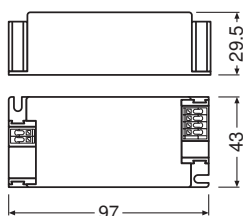– Small housing for flexible luminaire designs

Product features

– Supply voltage: 220…240 V
– Line frequency: 50 Hz | 60 Hz
– Line voltage: 198…264 V
– According to EN 61347-1, 61347-2-13, 62384
– RI suppression: to EN 55015
– Line harmonics according to EN 61000-3-2
– Immunity according to EN 61547
– Lifetime: up to 100,000 h (temperature at T_C = 65 °C, max. 10 % failure rate)
– Cable clamp kit for independent mounting

TECHNICAL DATA

Electrical data

Nominal wattage	26.50 W
Nominal output power	8.0…26.5 W
Nominal voltage	220…240 V
Nominal output voltage	15…50 V
Input voltage AC	198…264 V
U-OUT (working voltage)	60 V
Nominal current	0.13 A
Nominal output current	300…700 mA
Inrush current	15 A
Output current tolerance	±5 %
Output ripple current (100 Hz)	< 1 %
Mains frequency	50/60 Hz
Total harmonic distortion	15 %
Power factor λ	0.92
ECG efficiency	86.5 %
Device power loss	4,5 W
Max. ECG no. on circuit breaker 10 A (B)	20
Max. ECG no. on circuit breaker 16 A (B)	30
Max. ECG no. on circuit breaker 25 A (B)	42
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Galvanic isolation	SELV

Dimensions & Weight

Length	97.00 mm
Mounting hole spacing, length	88,0 mm
Width	43.00 mm
Height	29.50 mm

Cable cross-section, input side	0.5…1.5 mm²
Cable cross-section, output side	0.5…1.5 mm²
Wire preparation length, input side	6,5…7,5 mm
Wire preparation length, output side	6,5…7,5 mm
Product weight	95.00 g

Colors & materials

Casing material	Plastic
Body material	Plastic

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
Permitted rel. humidity during operation	5…85 % [1]

[1] Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	100000 h [1]

[1] At T_{case} = 65°C at T_c point / 10% failure rate

Additional product data

Encapsulated	No

Capabilities

Dimmable	No
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
No-load proof	Yes
Short-circuit protection	Automatic reversible
Max. cable length to lamp/LED module	2,0 m
Suitable for fixtures with prot. class	I / II
Suitable for emergency lighting	No
Type of connection, output side	Push terminal

Certificates & Standards

Approval marks – approval	CE
Standards	Acc. to IEC 61347-1 / Acc. to IEC 61347-2-13 / Acc. to IEC 62384 / Acc. to CISPR 15 / Acc. to IEC 61000-3-2 / Acc. to IEC 61547 / Acc. to IEC 61000-3-3

Protection class	II
Type of protection	IP20

LOGISTICAL DATA

Temperature range at storage	-40…+85 °C

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	OPTOTRONIC® LED Power Supply
PDF	Declarations of conformity	EU Declaration of Conformity 3432845
PDF	Certificates	VDE EMC Certificate 40039188
PDF	Certificates	OT FIT OTI DALI LT2 CB DE1 63464 060520
PDF	Certificates	VDE ENEC Certificate 40038447
PDF	Certificates	VDE EMC Certificate 40038482
PDF	Certificates	VDE ENEC Certificate 40038384
PDF	Certificates	729794_Certificate OT FIT LT2 S

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899957008	Unpacked 1		95.00 g	
4052899957077	Shipping box 20	228 mm x 208 mm x 78 mm	2006.00 g	3.70 dm³

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.