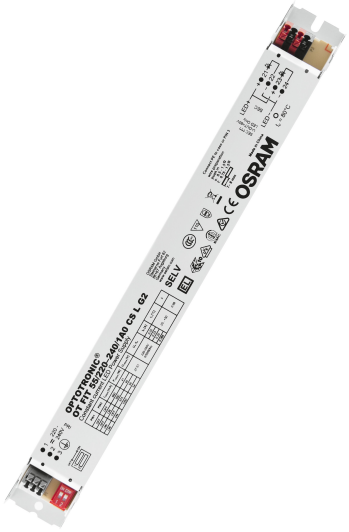
PRODUCT DATASHEET
OT FIT 55/220…240/1A0 CS L G2

OPTOTRONIC® FIT CS L G2 | Linear / Area Constant Current – Non dimmable



Areas of application

- Linear lighting for office, education, industry, storage areas and retail
- Installation in emergency lighting systems according to IEC 61347-2-13, appendix J
- Suitable for luminaires of protection class I

Product benefits

- Flexible current setting (DIPswitch – 4 currents)
- Lifetime: up to 100,000 h (temperature at T_C = 65 °C, max. 10 % failure rate)
- High efficiency
- High quality of light thanks to low output ripple current
- Fulfill safety requirement due to overload, overtemperature, Hot Plug protection

Product features

- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Versatile scope of application due to output power range of up to 75 W
- Supply voltage: 220…240 V
- Available with output current range: up to 1,400 mA
- SELV system

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TECHNICAL DATA

Electrical data

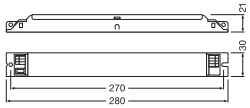
Nominal wattage	66.00 W
Nominal output power	21.6…53.6 W
Nominal voltage	220…240 V
Nominal output voltage	27…51 V
Input voltage AC	198…264 V [1)]
Input voltage DC	176…276 V
U-OUT (working voltage)	< 60 V
Nominal output current	800 mA / 900 mA / 975 mA / 1050 mA
Inrush current	20 A
Output current tolerance	7,5 %
Output ripple current (100 Hz)	< 5 %
Mains frequency	0/50/60 Hz
Maximum total harmonic distortion	< 10 %
Power factor λ	0.98
ECG efficiency	89 %
Device power loss	7 W
Max. ECG no. on circuit breaker 10 A (B)	16
Max. ECG no. on circuit breaker 16 A (B)	25
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Galvanic isolation	SELV
Flickering metric (Pst LM)	≤1

1) Permitted voltage range

Photometrical data

Flickering metric (Pst LM)	≤1
Stroboscope effect metric (SVM)	≤0.4

Dimensions & Weight



Length	280.00 mm

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Mounting hole spacing, length	270,0 mm
Width	30.00 mm
Height	21.00 mm
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	8.5…9.5 mm
Wire preparation length, output side	8.5…9.5 mm
Product weight	217.00 g

Colors & materials

Casing material	Metal
Body material	Metal

Temperatures & operating conditions

Ambient temperature range	-25…+50 °C
Maximum temperature at tc test point	80 °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	50000 h / 100000 h 1)

1) At maximum Tc = 75°C / 10% failure rate / At Tc = 65 °C / 10 % failure rate

Additional product data

Encapsulated	No

Capabilities

Dimmable	No
Overheating protection	Automatic reversible
Overload protection	Non-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
Suitable for emergency lighting	Yes
Type of connection, output side	Push terminal

Certificates & Standards

Approval marks – approval	CE / EL / ENEC 10 / VDE-EMC / CCC / RCM

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Standards	Acc. to EN 61347-1 / Acc. to EN 61347-2-13 / Acc. to EN 62384 / Acc. to EN 61000-3-2 / Acc. to EN 61000-3-3 / Acc. to EN 61547
Protection class	1
Type of protection	IP20

LOGISTICAL DATA

Temperature range at storage	-25…85 °C

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	OT FIT 35 55 75 220-240 D LT2 L
PDF	Declarations of conformity	711957_Declaration of Conformity OT FIT CS L
PDF	Declarations of conformity	EU Declaration of Conformity 3666934
PDF	Declarations of conformity	INOTEC- Conformity declaration AM04352_OT_FIT_55_220-240_1A0_CS_L_EL
PDF	Certificates	VDE EMC Certificate 40046714
PDF	Certificates	INOTEC Certificate OT FIT 55/1A0 CS L G2 appendix
PDF	Certificates	VDE ENEC Certificate 40046756
PDF	Certificates	INOTEC Certificate OT FIT 55/1A0 CS L G2
PDF	Certificates	VDE EMC Certificate 40038482

LOGISTICAL DATA

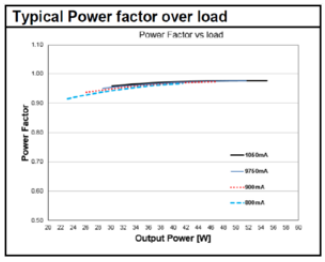
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899522558	Unpacked 1	280 mm x 30 mm x 21 mm	217.00 g	0.18 dm^3
4052899522565	Shipping box 20	303 mm x 159 mm x 101 mm	4659.00 g	4.87 dm^3

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.

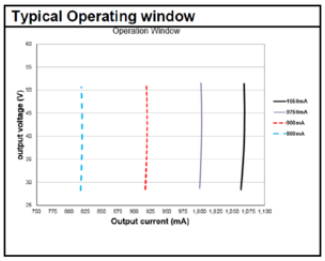
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ADDITIONAL CATALOG INFORMATION

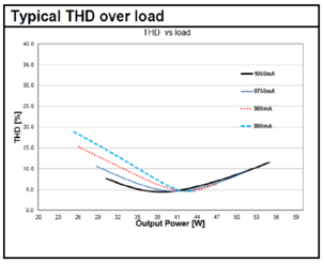
Typical Power factor over load



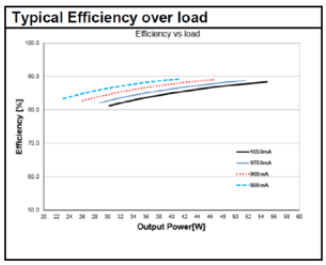
Typical Operating window



Typical THD over load



Typical Efficiency over load



DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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