

## OT FIT 75/220-240/1A6 CS

OPTOTRONIC FIT CS | Compact Constant Current LED Drivers – Non dimmable



### Areas of application

- Suitable for downlights, spotlights and LED panels
- Suitable for luminaires of protection classes I and II

### Product family benefits

- High quality of light thanks to low output ripple current
- High flexibility due to four different output currents
- Small housing for flexible luminaire designs
- High efficiency



## Product datasheet

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### Product family features

- Supply voltage: 220...240 V
- Line frequency: 50 Hz | 60 Hz
- Line voltage: 198...264 V
- Safety 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 50,000 h (temperature at  $T_c = 70\text{ °C}$ , max. 10 % failure rate)
- Cable clamp kit for independent mounting

## Technical data

### Electrical data

Nominal input voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V
Total harmonic distortion	< 10 % <sup>1)</sup>
Power factor $\lambda$	0.98
ECG efficiency	91 % <sup>2)</sup>
Device power loss	8.6 W <sup>3)</sup>
Protective conductor current	<0.7 mA
Inrush current	< 40 A <sup>4)</sup>
Max. ECG no. on circuit breaker 10 A (B)	10
Max. ECG no. on circuit breaker 10 A (C)	16
Max. ECG no. on circuit breaker 16 A (B)	16
Max. ECG no. on circuit breaker 16 A (C)	26
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Nominal output voltage	27...57 / 27...42 V <sup>5)</sup>
U-OUT (working voltage)	70 V
Nominal output current	1200 / 1350 / 1500 / 1650 mA
Output current tolerance	±7.5 %
Output ripple current (100 Hz)	< 5 %
Nominal output power	32.5...77 W
Galvanic isolation	SELV
Current set	DipSwitch

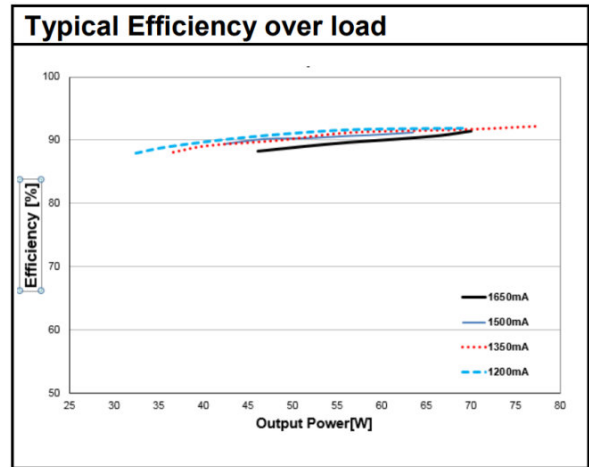
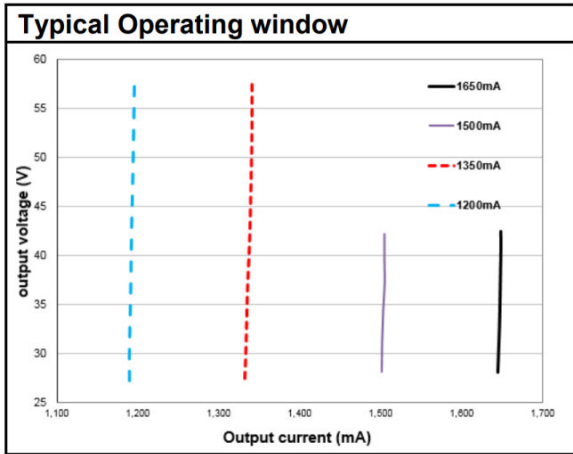
<sup>1)</sup> At full load, 230 V, 50 Hz / see graphs

<sup>2)</sup> At full load and 230 V / At 50 Hz

<sup>3)</sup> At 230 V, Input power 85.5 W max.

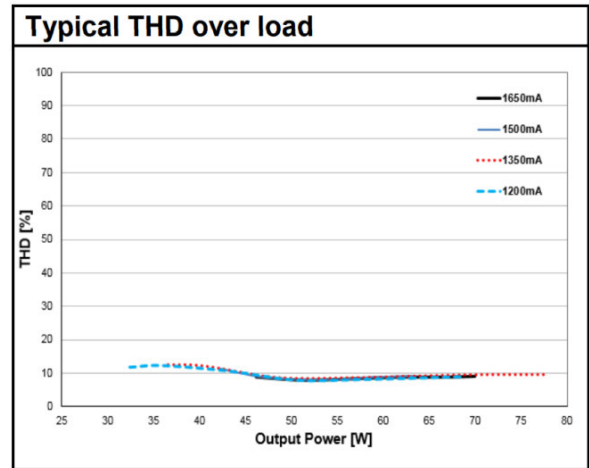
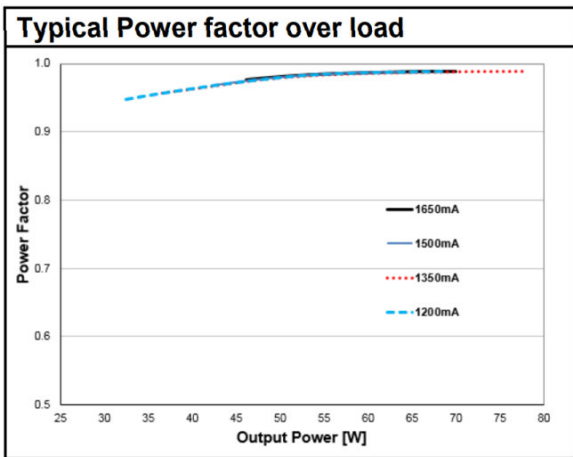
<sup>4)</sup>  $t_{width} = 200 \mu s$  (measured at 50 %  $I_{peak}$ )

<sup>5)</sup> At output current 1200/1350 mA / At output current 1500/1650 mA



Operating Window

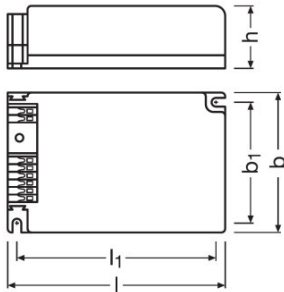
Typical Efficiency v Load 230 V 50 Hz



Typical Power Factor v Load

Typical THD v Load

## Dimensions & weight



Mounting hole spacing, length	94.0 mm
Mounting hole spacing, width	58.0 mm
Product weight	170.00 g
Cable cross-section, input side	0.5...1.5 / 0.75...1.5 mm <sup>2 1)</sup>
Cable cross-section, output side	0.5...1.5 / 0.75...1.5 mm <sup>2 1)</sup>
Wire preparation length, input side	7...8 mm
Wire preparation length, output side	7...8 mm
Length	103.0 mm
Width	67.0 mm
Height	29.5 mm

<sup>1)</sup> Solid/ Flexible Leads

## Colors & materials

Casing material	Plastic
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## Temperatures & operating conditions

Ambient temperature range	-20...+50/-20...+45 °C <sup>1)</sup>
Maximum temperature at tc test point	80 °C
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-20...80 °C
Permitted rel. humidity during operation	5...85 % <sup>2)</sup>

<sup>1)</sup> At output current 1200/1350/1500 mA/At output current 1650 mA

<sup>2)</sup> Non-condensing

## Lifespan

ECG lifetime	50000 / 30000 h <sup>1)</sup>
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<sup>1)</sup> T<sub>c</sub> = 70°C, with max. 10% failure rate / T<sub>c</sub> = 80°C, with max. 10% failure rate

## Product datasheet

### Additional product data

Encapsulated	No
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### Capabilities

Dimmable	No
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, output side	Push terminal
Number of channels	1

### Programming

Tuner4TRONIC	No
Tuner4TRONIC Field App	No
Programming device	DIPswitch





### Certificates & standards

Approval marks – approval	CCC / CE / RCM / ENEC 05
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 61000-3-3/Acc. to IEC 61547/Acc. to CISPR 15
Type of protection	IP20

### Logistical data

Commodity code	850440829000
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### Download Data

File
 User instruction OPTOTRONIC LED Power Supply
 Product Datasheet Product Datasheet OT FIT 751A6 CS
 Declarations of conformity OT FIT CS CE 3667905 051119
 CAD data OT FIT 751A6 CS - built in step

## Product datasheet



CAD data PDF  
OT FIT 751A6 CS - built in pdf

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899999565	OT FIT 75/220-240/1A6 CS	Shipping carton box 20	353 mm x 223 mm x 101 mm	7.95 dm <sup>3</sup>	3742.00 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.