

OT FIT 35/220...240/400 D LT2 UF L

OPTOTRONIC FIT D LT2 UF L | 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 family benefits

- Ultra-flat housing (11 mm height) for innovative luminaire designs and applications
- Flexible and future-proof current setting via NFC and LT2
- Lifetime: up to 100,000 h (temperature at $T_C = 65\text{ }^\circ\text{C}$, max. 10 % failure rate)
- Higher quality of light thanks to < 1% output ripple current
- Very high efficiency
- Fulfill safety requirement due to overload, overtemperature, Hot Plug protection

Product family features

- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Versatile window driver up to 75 W due to flexible output characteristic
- Supply voltage: 220...240 V
- Available with output current range: up to 700 mA
- Non-isolated drivers



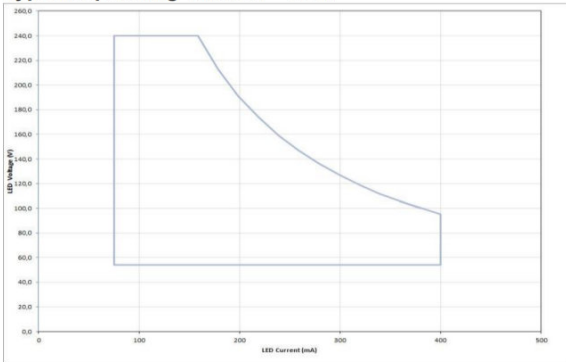
Technical data

Electrical data

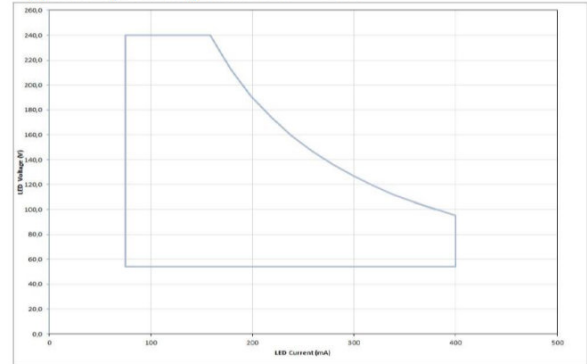
Nominal input voltage	220...240 V
Mains frequency	0/50/60 Hz
Input voltage AC	198...264 V
Input voltage DC	176...276 V
Current set	LEDset2 / NFC
Power factor λ	> 0.95
ECG efficiency	up to 93 %
Device power loss	4.0 W
Inrush current	10 A
Max. ECG no. on circuit breaker 10 A (B)	18
Max. ECG no. on circuit breaker 10 A (C)	-
Max. ECG no. on circuit breaker 16 A (B)	30
Max. ECG no. on circuit breaker 16 A (C)	-
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	54...240 V
Nominal output current	75...400 mA
Output current LEDset open	35 mA
Output current LEDset shorted	75 mA
Default output current	35 mA ¹⁾
Output PSTLM	≤ 1
Output SVM	≤ 0.4
Nominal output power	4...38 W
Galvanic isolation	Non isolated
Output ripple current (100 Hz)	< 1 %

¹⁾ LEDset deactivated

Typical operating Window – 35W



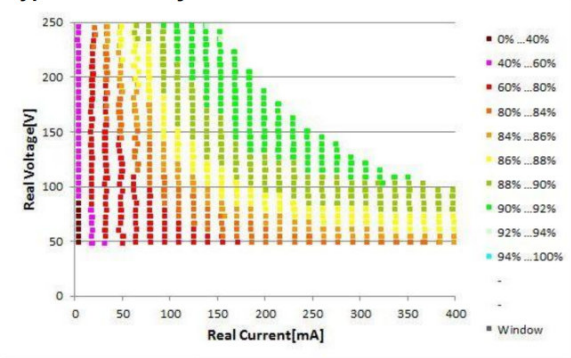
Typical operating Window – 35W



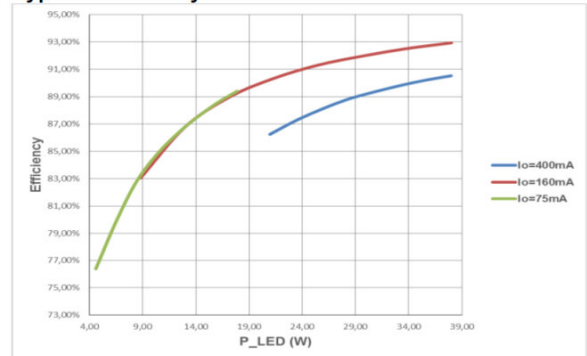
Operating Window

Operating Window

Typical Efficiency vs load – 35W



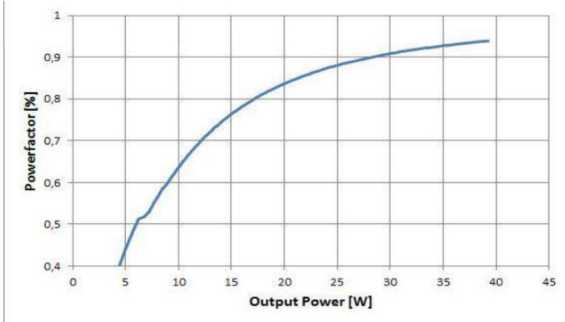
Typical Efficiency vs load – 35W



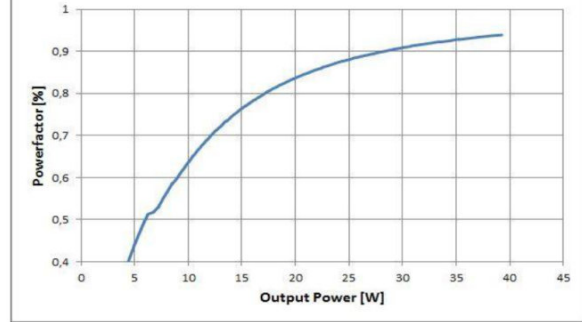
Typical Efficiency v Load 230 V 50 Hz

Typical Efficiency v Load 230 V 50 Hz

Typical Power factor vs. load – 35W



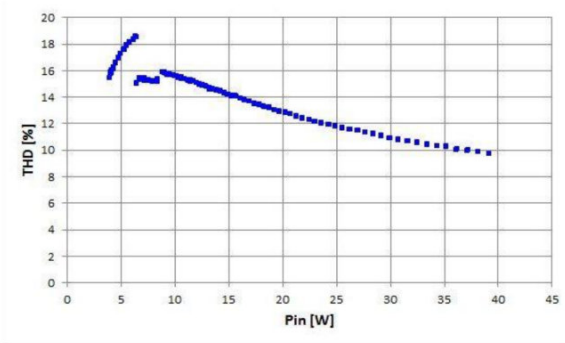
Typical Power factor vs. load – 35W



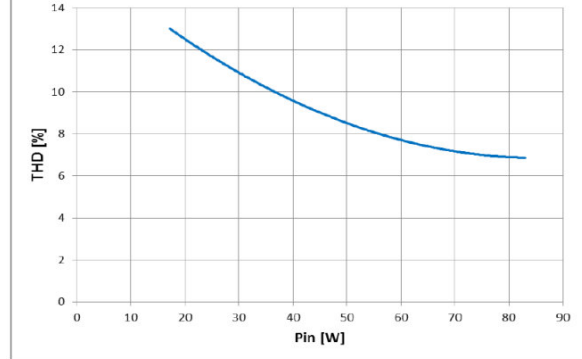
Typical Power Factor v Load

Typical Power Factor v Load

Typical THD vs load – 35W



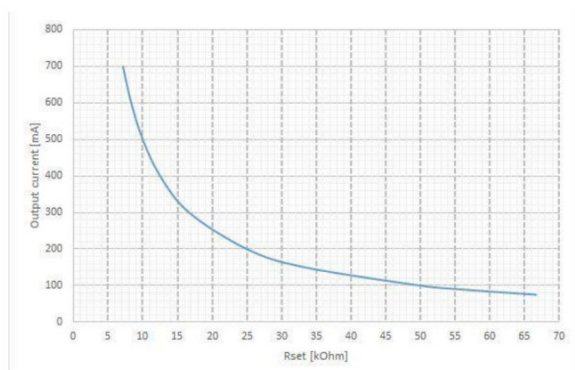
Typical THD vs load – 35W



Typical THD v Load

Typical THD v Load

Product datasheet



Typical Iout v Rset LEDset2 mode

Dimensions & weight



Mounting hole spacing, length	350.0 mm
Product weight	180.00 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	8.0...9.0 mm
Length	360.0 mm
Width	30.0 mm
Height	11.0 mm

Temperatures & operating conditions

Product datasheet

Ambient temperature range	-25...+60 °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	100000 / 50000 h ¹⁾
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¹⁾ At maximum $T_c = 75^\circ\text{C}$ / 10% failure rate / At $T_c = 65^\circ\text{C}$ / 10% failure rate

Expected Lifetime

Product name				
OT FIT 35/220...240/400 D LT2 UF L	ECG ambient temperature [ta]	50	-	-
	Temperature at tc-point [°C]	75	-	-
	Lifetime [h]	50000 ¹⁾	-	-

¹⁾ Max. 10% failure rate at tc max and input voltage 230 V_{AC}

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
Number of channels	1

Programming

Tuner4TRONIC	Yes
Tuner4TRONIC Field App	No
Programming device	NFC

Product datasheet











Certificates & standards

Approval marks – approval	CE / EL / ENEC 10 / VDE-EMC / CCC / RCM
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
Type of protection	IP20

Logistical data

Commodity code	850440829000
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Download Data

File
 User instruction OPTOTRONIC LED Power Supply
 Certificates OT EMC 40050085 200220
 Certificates OT ENEC 40038085 130720
 Declarations of conformity EU Declaration of Conformity 3661214
 Declarations of conformity EATON(CEAG) Conformity declaration AM17670_OT_FIT35_220-240_400_D_LT2_UF_L
 Declarations of conformity INOTEC Conformity declaration AM17670_OT_FIT35_220-240_400_D_LT2_UF_L
 CAD data OT FIT LT2 UFL IGS 121119
 CAD data OT FIT LT2 UFL STEP 121119
 CAD Data 2-dim OT FIT LT2 UFL CAD2PDF 121119
 CAD data 3-dim OT FIT LT2 UFL CAD3PDF 121119

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899590960	OT FIT 35/220...240/400 D LT2 UF L	Shipping carton box 20	385 mm x 160 mm x 66 mm	4.07 dm ³	3717.00 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.

Product datasheet

Disclaimer

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