



Light
is our passion

50W LED Driver with VLC

Input characteristics

Input voltage AC	120-277V
Input current	0.7A max
Input frequency	47-63Hz
Efficiency @ full load	89%
Efficiency @ 2/3 load	85%
Power factor @ full load	>0.9
THD @ full load	<20%
Inrush current	negligible: 30mA ² s @ 277V
Surge protection	2kV DM, 2kV CM
Standby power	<0.53W

Output characteristics

LED output power	50W max
LED output current range	150-1,400mA (settable)
LED output current resolution	programmable in 25mA steps
LED output current tolerance	+/- 5%
LED outputs	1 (UL Class 2)
LED output voltage range	2-55V
AUX output	25.5V DC, 10mA max

Protection

LED output short	yes
Overload	yes
Reverse polarity	yes, for LED output
Restart after protection	yes

Product offering

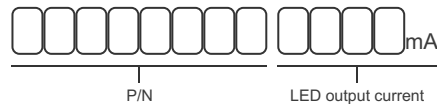


ECOdrive 568/M

P/N: EC0568M2

ECOdrive AC, 50W, aux, constant current, 1x 55V output, flying leads, long metal

Order number configuration



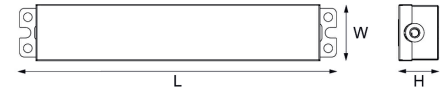
P/N: for LED driver part number, see 'Product offering' above.

LED output current: in 25mA steps, e.g. "0275", "1025", etc.

Dimensions, weight and packaging

ECOdrive 568/M

LxWxH	240x42x30mm / 9.45x1.65x1.18in
Weight	400 g / 14.1 oz
Items per carton	40 pcs



Standards and certifications

Standards compliance

UL, Recognized Component	UL 1310, UL 8750 (Class 2 output)
FCC	47 CFR Part 15 class A
RoHS3	(Directives 2011/65/EU-2015/863/EU)

Certifications



Wiring Specifications

Wire type	AWG 22 stranded (LEDcode) AWG 18 solid (other wires)
Wire length	Line in: 453mm Aux: 663mm LED output: 236mm LEDcode: 236mm
Wire strip length	9.5mm / 0.375in

Wiring diagrams

ECOdrive 568/M

120-277 VAC



LEDcode / NTC
 LED output
 aux

Thermal protection

External NTC thermistor	throttling @ 70 °C / 158 °F (settable)
External thermistor value	47kΩ
Recommended thermistors	238164063473 (leaded) NTCASCWE3473J (screw)

Thermal specification

Ta operating range	-20 °C ... +50 °C / -4 °F ... +122 °F
Tc max	75 °C
Tc lifetime	75 °C
Lifetime @ Tc lifetime	50000 hours

Warranty

Warranty period	3 years
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