

Driver LC 165W 400-700mA flexC Ip ADV

advanced series non-SELV

**Product description**

- _ LED Constant current LED Driver for luminaire installation
- _ Output current adjustable between 400 – 700 mA
- _ For luminaires of protection class I and protection class II
- _ Temperature protection as per EN 61347-2-13 C5e
- _ Max. output power 165 W
- _ Up to 94 % efficiency
- _ Nominal life-time up to 100,000 h
- _ 5-year guarantee

Housing properties

- _ Low profile metal casing with white cover
- _ Type of protection IP20

Interfaces

- _ Terminal blocks: 45° push terminals

Functions

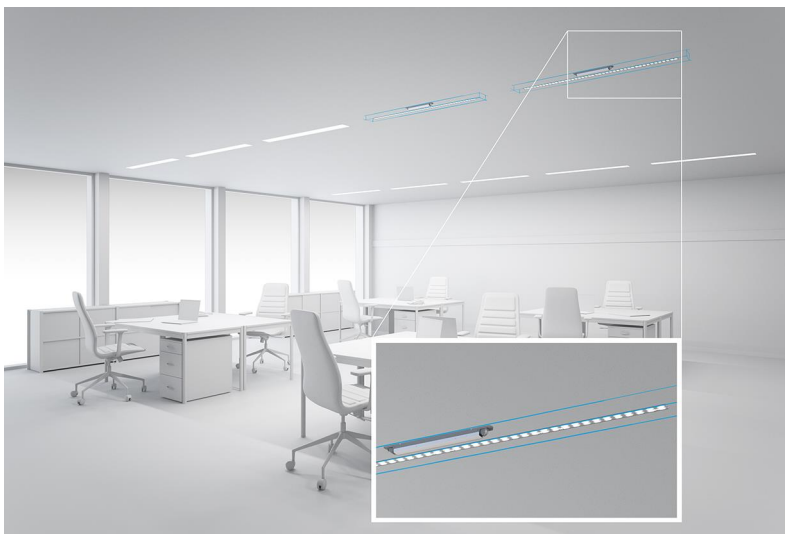
- _ Overtemperature protection
- _ Overload protection
- _ Short-circuit protection
- _ No-load protection
- _ Burst protection voltage 1 kV
- _ Surge protection voltage 1 kV (L to N)
- _ Surge protection voltage 2 kV (L/N to earth)

Typical applications

- _ For linear/area lighting in office applications

Website

<http://www.tridonic.com/28002470>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

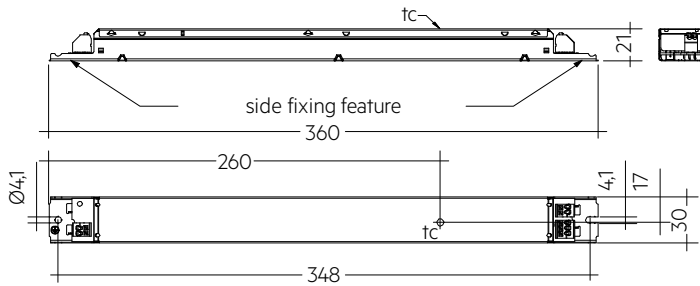


High bay

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The complete data sheet for this product is available in the Downloads section.

**Ordering data**

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 165W 400-700mA flexC Ip ADV	28002470	50 pc(s).	650 pc(s).	0.254 kg

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Max. input current (at 230 V, 50 Hz, full load)	0.8 A
Leakage current (at 230 V, 50 Hz, full load)	< 450 µA
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Max. input power	175.6 W
Typ. power consumption (at 230 V, 50 Hz, full load)	175.2 W
Min. output power	57.2 W
Max. output power	165 W
Typ. efficiency (at 230 V, 50 Hz, full load) ^①	94 %
λ (at 230 V, 50 Hz, full load) ^①	0.95
Output current tolerance ^②	± 7.5 %
Max. output current peak ^③	≤ output current + 10 %
Max. output voltage (U-OUT)	330 V
THD (at 230 V, 50 Hz, full load)	< 20 %
Output LF current ripple (< 120 Hz)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature t _a (at life-time 100,000 h)	40 °C
Storage temperature t _s	-40 ... +80 °C
Life-time	up to 100,000 h
Dimensions L x W x H	360 x 30 x 21 mm
Hole spacing D	348 mm

Approval marks**Standards**

EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61347-1, EN 61347-2-13, EN 61547, EN 62384

Specific technical data

Type	Output current ^②	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	t _c point max.	Ambient temperature T _a	I _{out} select	Resistor ^④
LC 165W 400-700mA flexC Ip ADV	400 mA	143 V	320.0 V	128 W	134.5 W	599 mA	80 °C	-20 ... +50 °C	0-2	ADV Type A
LC 165W 400-700mA flexC Ip ADV	450 mA	143 V	320.0 V	144 W	152.8 W	679 mA	80 °C	-20 ... +50 °C	0-2	ADV Type B
LC 165W 400-700mA flexC Ip ADV	500 mA	143 V	320.0 V	160 W	168.7 W	748 mA	80 °C	-20 ... +50 °C	0-1	ADV Type A
LC 165W 400-700mA flexC Ip ADV	600 mA	143 V	275.0 V	165 W	174.5 W	772 mA	85 °C	-20 ... +50 °C	0-2	ADV Type C
LC 165W 400-700mA flexC Ip ADV	700 mA	143 V	235.7 V	165 W	175.2 W	775 mA	85 °C	-20 ... +50 °C	-	-

① Test result at 700 mA.

② Output current is mean value.

③ Test result at 25 °C.

④ Type A is a short circuit plug (0 Ω).