

Driver LCU 48V 150W DC-STR DIM SR
Dimming



Product description

- _ Independent dimmable DC-String constant voltage LED Driver
- _ Compatible with other DC-String components
- _ Integrated DALI to DC powerline communication bridge (PLC)
- _ one4all interface (corridorFUNCTION, switchDIM, DALI, DSI)
- _ Max. output power 150 W
- _ Up to 93 % efficiency
- _ Nominal life-time up to 50,000 h
- _ For luminaires of protection class I and protection class II
- _ 5-year guarantee

Housing properties

- _ Casing: polycarbonate, white
- _ Type of protection IP20

Functions

- _ DC-String compatible
- _ Intelligent Temperature Guard (overtemperature protection)
- _ Short-circuit protection
- _ Overload protection

Website

<http://www.tridonic.com/28001044>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



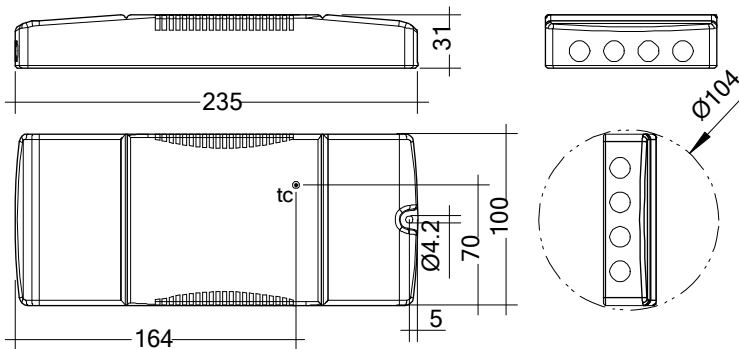
Decorative



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.
LCU 48V 150W DC-STR DIM SR	28001044	10 pc(s).	300 pc(s).	0.369 kg

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	710 mA
Typ. current (220 V, 0 Hz, full load)	740 mA
Leakage current (at 230 V, 50 Hz, full load)	< 500 µA
Max. input power	162 W
Typ. efficiency (at 230 V, 50 Hz, full load)	92.9 %
λ (at 230 V, 50 Hz, full load)	0.99C
Typ. input current in no-load operation	56.3 mA
Typ. input power in no-load operation	4.3 W
In-rush current (peak / duration)	67.1 A / 173 µs
THD (at 230 V, 50 Hz, full load)	< 5 %
Output voltage tolerance	-1 ... +5 %
Output LF current ripple (< 120 Hz)	± 1 %
Max. output voltage (U-OUT)	50.5 V
Max. cable length secondary	See data sheet section 3.5
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 450 V
Ambient temperature t_a	-25 ... +50 °C
Max. casing temperature t_c	80 °C
Dimensions L x W x H	235 x 100 x 31 mm

Approval marks**Standards**

EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61347-1, EN 61347-2-13, EN 62384, EN 61547, EN 62386-101 (DALI-2)