

50W DALI Dimming LED driver 1200mA

Toshiba drivers provide a high performance solution for powering high-brightness LEDs from a mains supply. 50W of power with DALI dimming control.

Toshiba's most advanced LED drivers 50W of power and gives end users industry leading efficient control of their LED lighting systems. The power factor corrected, class II driver has fully-isolated, SELV output delivering up to 50W of power.

Dimming level range of between 5 - 100%, tailor made to power Toshiba LED modules.

Technical Specification

Parameter / Model	LEK-50001CA010
Mains input voltage range	220 to 240Vac
Mains frequency	47 to 63 Hz
Power factor at full load	>0.95 (0.98 typical)
Efficiency at full load	≥0.87
Mains surge protection	4kV common-mode 2kV differential
Input-output isolation	3.75kV ac rms
Ambient temperature range	-25°C to 50°C
Maximum Tc temperature	85°C
Humidity	95% max non-condensing
Thermal trip	110° self resetting
Max output power	50W
Output current	1200mA +/-2%
Typical no. of LEDs	8-14
LED string voltage	30V - 42V
Current ripple	<20%
Line regulation	<±1%
Load regulation	< ±2%
Standby power consumption	<0.5W
Enclosure	White polycarbonate UL94-V0 rated (B / C style)
Dimensions	See diagrams for B and C types
Terminal blocks	Rising clamp 5mm pitch
Wire size	0.75 to 1.5mm ² *
Weight	225g
Compliance standards	EN61347-2-13 EN6100-3-2 EN6100-3-3 EN61547 EN55015 EN62384 EN62386-207

*Identical wire sizes must be used in both apertures on the output clamp

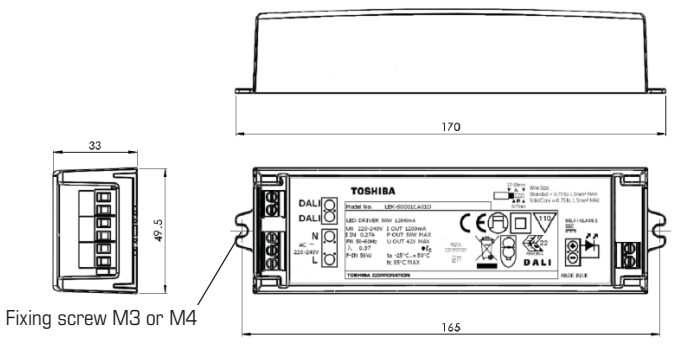
Physical	
IP rating	IP20
Running stage	
Technology	Constant Current Reduction (CCR)
Lifetime (90% survival)	>50,000 hrs
Standards & Ratings	
RoHS / WEEE	Yes
Approvals	ENEC, CE



DALI
CE

- Power factor corrected (0.98)
- 1200mA Constant current output
- DALI Dimming to 5% of full output current
- Low 'off' power
- Self resetting thermal trip
- 87% efficient
- Integral (B) and Remote Mount (C) versions
- Surge protection up to 4kV
- SELV Isolation (3.75kV)
- Made in the UK

Integral 'B' type



Remote 'C' type

