

230V AC 40W Controllable LED Driver



Specifications

AC Input

Nominal Input Voltage	230V AC
Input Voltage Range	207 – 253V AC
Frequency Range	45 – 55Hz
Power Factor	>0.99
Peak Efficiency	90% at 50V output
Maximum Input Current	0.25A
Input Fuse	In Phase
Input In Rush	<2x maximum input current
Standby current consumption	0.55 W approx.

DC Output

Maximum Output Voltage	60V DC
Output Voltage Range	27 – 45V DC
Constant Power Output	20 – 40W
Start Up Time	<3 seconds from initial power on.
Switch on time (from comms signal)	<250 mS

Auxiliary Header

Four wire auxiliary connector; +24-60V, Ballast 0V, Isolated digital input, Isolated digital output

Auxiliary Board Options

PIR/Luminance Sensor

Protection

Input voltage	auto shut down, auto restart when correct voltage restored
Input Surge	2.5kV Phase to Neutral
Over Temperature	Ballast Temp and remotely via AUX Header
Short Circuit	
Output Over Voltage	

Isolation

Input to Output	4000V DC (double insulation)
Input to Chassis	3000V DC
Output to Chassis	100V DC

Environmental Requirements

Ambient Temperature	-20°C to +50°C
Max Case Temperature	+90°C (automatic turn down)

Max Altitude	1000m asl (derated temp specs above this)
Humidity	5 – 95% RH (non condensing)

Compliances

New Zealand Standards	Only the New Zealand part of Appendix ZA and clause 2.13.104 of AS/NZS 60598.2.2:2016 Luminaires Part 2.2: Particular requirements – Recessed luminaires In conjunction with IEC 60598-1 Edition 7.0 (2008-04 MOD) Luminaires Part 1: General requirements and tests as modified by AS/NZS 60598.1:2013
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Suppliers Declaration of Compliance available on line

Emissions	CISPR15
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Models

40W Driver	DTDR10A23--004000
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