



Light
is our passion

100W DALI 'Dim to Dark' LED Drivers

Input characteristics

Input voltage AC	120-250V (ENEC approved) 120-277V (UL approved)
Input voltage DC	120-275V
Input current	1.05A max @ 120V/60Hz 0.5A max @ 230V/50Hz 0.45A max @ 277V/60Hz
Input frequency	50-60Hz
Efficiency @ full load	90%
Efficiency @ 1/2 load	≥87%
Power factor @ full load	>0.94
THD @ full load	<10%
Inrush current	35A 240µs @ 120V/60Hz 67A 240µs @ 230V/50Hz 75A 240µs @ 277V/60Hz
Surge protection	3kV (L to N), 4kV (L/N to GND)
Standby power	<0.5W

Output characteristics

LED output power	100W max
LED output current range	200-1,050mA (settable per output)
LED output current resolution	programmable in 1mA steps
LED output current tolerance	+/- 5%
LED outputs	4 (UL Class 2)
LED output voltage range	2-57V

Control characteristics

Control channels	2
Dimming protocol	DALI
Dimming range	100%-0%
Dimming method	Hybrid HydraDrive
Dimming curve	linear or logarithmic
Driver configuration	with TOOLbox pro and FluxTool software

Product offering



DUALdrive 1060/A P/N: **DL1060A1**
DUALdrive AC, 100W, DALI, 2 ballasts, constant current, 4x 57V outputs, long metal/plastic

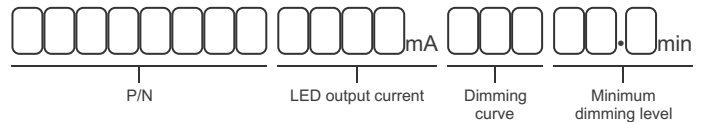


DUALdrive 1060/M P/N: **DL1060M1**
DUALdrive AC, 100W, DALI, 2 ballasts, constant current, 4x 57V outputs, long metal



DUALdrive 1060/S P/N: **DL1060S1**
DUALdrive AC, 100W, DALI, 2 ballasts, constant current, 4x 57V outputs, square metal

Order number configuration



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

LED output current: in 1mA steps, e.g. "0258", "1011", etc.

Dimming curve: enter "LOG" for a logarithmic, "LIN" for a linear dimming curve.

Minimum dimming level: write to one decimal place, e.g. "05.0" for 5%, "07.5" for 7.5%, "10.1" for 10.1%, etc. Leave blank if default minimum dimming level (0.1%) is required.

Dimensions, weight and packaging

DUALdrive 1060/A

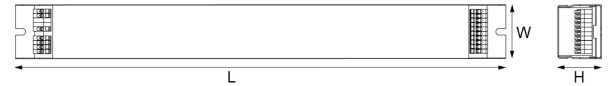
LxWxH	388x42x30mm / 15.27x1.65x1.18in
Weight	666 g / 23.5 oz
Drivers per carton	20 pcs

DUALdrive 1060/M

LxWxH	370x41x30mm / 14.57x1.61x1.18in
Weight	846 g / 29.8 oz
Drivers per carton	20 pcs

DUALdrive 1060/S

LxWxH	230x80x30mm / 9.06x3.15x1.18in
Weight	912.5 g / 32.2 oz
Drivers per carton	20 pcs



Standards and certifications

Standards compliance

EN	61347-1/-2-13, 62384, 55015, 55022, 61000-3-2, 61547, 62386-101/102/207
UL, Recognized Component	UL 1310, UL 8750 (Class 2 output)
FCC	47 CFR Part 15 class B
RoHS	RoHS2

Certifications



Wiring Specifications

Wire type	AWG 20-16, 0.5-1.5mm ² solid or stranded copper
Wire strip length	9mm / 0.35in

Wiring diagrams

DUALdrive 1060/A, 1060/M



DUALdrive 1060/S



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	-40 °C ... +50 °C / -40 °F ... +122 °F
Tc max	1060/A: 90 °C / 194 °F 1060/M: 85 °C / 185 °F 1060/S: 83 °C / 181 °F

Warranty

Warranty period	3 years
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