



Light
is our passion

30W DALI LED Drivers with Smooth Dimming to 1%

Input characteristics

Input voltage AC	120-250V (ENEC) 120-277V (UL)
Input voltage DC	120-250V
Input current	0.35A max
Input frequency	50-60Hz
Efficiency @ full load	/A: 84%, /B: 85% and /S: 85%
Efficiency @ 2/3 load	/A: ≥82%, /B: ≥83% and /S: ≥83%
Power factor @ full load	>0.9
THD @ full load	<20%
Inrush current	30mA ² s @ 277V
Surge protection	2kV DM, 2kV CM
Standby power	<0.5W

Output characteristics

LED output power	30W max
LED output current range	150-1,400mA (settable)
LED output current resolution	programmable in 25mA steps
LED output current tolerance	+/- 5%
LED outputs	1 (UL Class 2)
LED output voltage range	2-55V

Control characteristics

Control channels	1
Dimming protocol	DALI
Dimming range	100%-1%
Dimming method	Hybrid HydraDrive
Dimming curve	linear or logarithmic
Driver configuration	with TOOLbox pro and FluxTool

Protection

LED output short	yes
Overload	yes
Reverse polarity	yes, for LED output
Restart after protection	yes

Product offering



ECOdrive 360/A

P/N: EC0360A4

ECOdrive, 30W, DALI, constant current, 1x 55V output, side feed, plastic long



ECOdrive 360/B

P/N: EC0360B2

ECOdrive, 30W, DALI, constant current, 1x 55V output, bottom feed, metal square

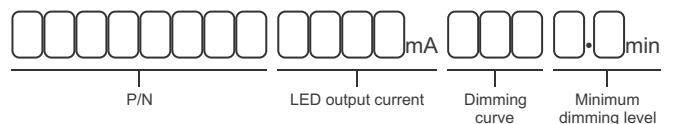


ECOdrive 360/S

P/N: EC0360S2

ECOdrive, 30W, DALI, constant current, 1x 55V output, side feed, metal square

Order number configuration



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

LED output current: in 25mA steps, e.g. "0275", "1025", etc.

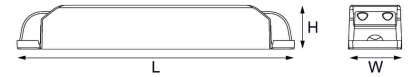
Dimming curve: enter "LOG" for logarithmic, "LIN" for linear.

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 (1%) is required.

Dimensions, weight and packaging

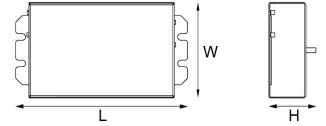
ECOdrive 360/A

LxWxH	210x40.4x33.5mm / 8.27x1.59x1.32in
Weight	225 g
Items per carton	50 pcs



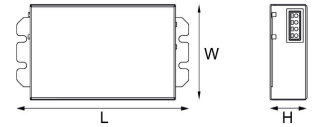
ECOdrive 360/B

LxWxH	130x72x34.4mm / 5.12x2.83x1.35in
Weight	285.5 g
Items per carton	40 pcs



ECOdrive 360/S

LxWxH	130x72x28mm / 5.12x2.83x1.10in
Weight	285.5 g
Items per carton	40 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) Type TL LED driver (excluding /A)
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
Recommended mains wires	for 360/A: H03/H05VVH2-F, 2x0,75 mm ² (flat) H03/H05VV-F 2x0,75 mm ² (round)
/A: For independent and remote usage	Max. cable length from LED driver to LED load is 2 meter

Wiring diagrams

ECOdrive 360/A



ECOdrive 360/B



ECOdrive 360/S



Thermal protection

External NTC thermistor	throttling @ 70 °C (settable)
External thermistor value	47kΩ
Recommended thermistors	238164063473 (leaded) NTCASCWE3473J (screw)

Thermal specification

Ta operating range	/A: -20°C ... +50°C for 150-1,050mA. -20°C ... +40°C for 1,050-1,400mA. /B, /S: -20°C ... +50°C
Tc max	/A: 85°C, /B, /S: 80°C
Tc lifetime	/A: 80°C, /B, /S: 75°C
Lifetime @ Tc lifetime	50,000 hours
Type TL	/B, /S: @1400mA: Tref 54°C, max 81°C

Warranty

Warranty period	3 years
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