

eco-Tubo[®] LED Series

LED DRIVER PREMIUM

THE FLICKER-FREE LED DRIVER

DIMMABLE + DALI OPTION

INDEPENDENT CHANNELS FOR MULTIPLE LAMPS

LOW INRUSH CURRENT REDUCES INSTALLATION COSTS



The knowledgeable buyer's choice

So efficient that it never exceeds room temperature



eco-Tubo[®]

LED SERIES

WE BET ON QUALITY
AND HUMAN-CENTRICITY

Product Description: External AC to DC high efficiency power supplies for LED luminaires. Can be installed within the luminaire's electronics compartment with magnets or self-tapping screws. This method preserves the host luminaire's original markings and certifications, since none of it's wires, lamp holders or electronics are used. Patented in-rush current control is implemented, reducing cold start peak current to 20% of other driver's values. Special attention has been taken to achieve high Power Factor and low Total Harmonic Distortion (THD). The best features of these drivers is their extremely low ripple, avoiding any flicker of the LED lights, and their high efficiency, avoiding heat build-up.

Available in several power configurations and up to 4 independent channels for multiple light source fittings.

The PREMIUM models include 0-10V dimmer control, with the option of DALI interface and extended 5 year warranty.



Feature Summary:

- Efficiency > 88%
- Power Factor > 0,97
- THD < 10%
- Output current ripple < 9%
- Multiple independent output channels
- Cold start inrush current: < 7A

Technical Specifications by model:

PREMIUM LINE		1/2 CHANNEL MODELS																							
		LDP-(1/2)x10W-42V						LDP-(1/2)x20W-42V						LDP-(1/2)x30W-42V											
		1 x 10W			2 x 10W			1 x 20W			2 x 20W			2 x 30W			2 x 30W								
		Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.						
Nominal Input Voltage	VAC	230/50Hz																							
Input Voltage Range	VAC	180		264	180		264	180		264	180		264	180		264	180		264						
Input Current	A		0,045			0,090			0,090			0,180			0,130			0,260							
Input Power	W	9,0	10,0	11,0	18,5	20,0	21,5	18,5	20,0	21,5	37,0	40,0	43,0	27,5	30,0	32,5	55,0	60,0	65,0						
Output Voltage	VDC	42,0			42,0			42,0			42,0			42,0			42,0								
Output Current (per channel)	mA	200	210	220	200	210	220	395	420	445	395	420	445	600	630	660	600	630	660						
Power Factor (Cos φ)		0,96	0,97		0,96	0,97		0,96	0,97		0,96	0,97		0,96	0,97		0,96	0,97							
Harmonic Distortion THD*	%	8%	8%	10%	8%	8%	10%	8%	8%	10%	8%	8%	10%	8%	8%	10%	8%	8%	10%						
Efficiency	%	86%	87%		86%	87%		87%	88%		87%	88%		87%	88%		87%	88%							
Output Ripple % @ 100Hz*	%		7%	9%		8%	10%		7%	9%		7%	9%		7%	9%		7%	9%						
Cold Start Inrush Current*	A			5,0			5,0			6,0			6,0			7,0			7,0						
Warranty*	YEARS	5																							
Designed to last*	HOURS	50.000																							
Dimmering System		0-10v & PWM																							
Operational Temperature	°C	-30			50			-30			50			-30			50			-30			50		
Dimensions	mm	42 x 30 x 237			42 x 30 x 237			42 x 30 x 237			42 x 30 x 237			42 x 30 x 237			42 x 30 x 237								
Weight	g	180			180			190			190			200			220								
IP Factor		20			20			20			20			20			20								
Certifications		CE, RoHS			CE, RoHS			CE, RoHS			CE, RoHS			CE, RoHS			CE, RoHS								

* Values for 230VAC/50Hz input within operating temperatures

PREMIUM LINE		3/4 CHANNEL MODELS																	
		LDP-(3/4)x10W-42V						LDP-(3/4)x20W-42V											
		3 x 10W			4 x 10W			3 x 20W			4 x 20W								
		Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.						
Nominal Input Voltage	VAC	230/50Hz																	
Input Voltage Range	VAC	180		264	180		264	180		264	180		264						
Input Current	A		0,130			0,180			0,175			0,260							
Input Power	W	27,5	30,0	32,5	37	40,0	43,0	55,0	60,0	65,0	74,0	80,0	86,0						
Output Voltage	VDC	42,0			42,0			42,0			42,0								
Output Current (per channel)	mA	200	210	220	200	210	220	400	420	440	400	420	440						
Power Factor (Cos φ)		0,96	0,97		0,96	0,97		0,96	0,97		0,96	0,97							
Harmonic Distortion THD*	%		8%	10%		8%	10%		8%	10%		8%	10%						
Efficiency	%	87%	88%		87%	88%		87%	88%		87%	88%							
Output Ripple % @ 100Hz*	%		10%	12%		10%	12%		10%	12%		10%	12%						
Cold Start Inrush Current*	A			6,0			6,0			7,0			7,0						
Warranty*	YEARS	5																	
Designed to last*	HOURS	50.000																	
Dimmering System		0-10v & PWM																	
Operational Temperature	°C	-30			50			-30			50			-30			50		
Dimensions	mm	42 x 30 x 237			42 x 30 x 237			42 x 30 x 270			42 x 30 x 270								
Weight	g	230			240			300			310								
IP Factor		20			20			20			20								
Certifications		CE, RoHS			CE, RoHS			CE, RoHS			CE, RoHS								

* Values for 230VAC/50Hz input within operating temperatures

