

Eco-Tubo® LED Series

LED DRIVER SILVER

THE FLICKER-FREE LED DRIVER
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

ETLS-LDS Eco-Tubo® LED Series SILVER DRIVERS

High quality LED drivers

Product Description: External AC to DC high efficiency power supplies for LED luminaires. Can be installed within the luminaire electronics compartment with magnets or self-tapping screws. This method preserves the host luminaire's original markings and certifications, since none of its wires or electronics are used. Patented inrush current control is implemented, reducing cold start peak current to 20% of other driver's values. This avoids having to divide circuits. Special attention has been taken to achieve high Power Factor and low Total Harmonic Distortion (THD). The best features of these drivers are 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 2 independent channels for multiple light source fittings.

The PREMIUM models include 0-10V dimmer control, with the option of DALI interface and up to 4 independent output channels.



Feature Summary:

- Efficiency > 87%
- Power Factor > 0,97
- THD < 10%
- Output current ripple < 11%
- Multiple independent output channels
- Cold start inrush current: < 6A

Technical Specifications by model:

MODEL REFERENCE SILVER LINE		SINGLE CHANNEL MODELS												DUAL CHANNEL MODELS											
		LDS-1X10W-42V			LDS-1X15W-42V			LDS-1X20W-42V			LDS-1X30W-42V			LDS-2X10W-42V			LDS-2X15W-42V			LDS-2X20W-42V			LDS-2X30W-42V		
		Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.
Nominal Input Voltage	VAC	230/50Hz			230/50Hz			230/50Hz			230/50Hz			230/50Hz			230/50Hz			230/50Hz			230/50Hz		
Input Voltage Range	VAC	180	264		180	264		180	264		180	264		180	264		180	264		180	264		180	264	
Input Current	A		0,05			0,067			0,09			0,13			0,09			0,134			0,18			0,26	
Input Power	W	9,0	10,0	11,0	14,0	15,0	16,0	18,5	20,0	21,5	27,5	30,0	32,5	18,5	20,0	21,5	28,0	30,0	32,0	37,0	40,0	43,0	55,0	60,0	65,0
Output Voltage	VDC		42,0			42,0			42,0			42,0			42,0			42,0			42,0			42,0	
Output Current (per channel)	mA	200	210	220	310	315	325	395	420	445	600	630	660	200	210	220	310	315	325	395	420	445	600	630	660
Power Factor (Cos φ)		0,96	0,97		1	0,97		0,96	0,97		1	0,97		0,96	0,97		0,96	0,97		1	0,97		0,96	0,97	
Harmonic Distortion THD*	%		10%	12%		10%	12%		10%	12%		10%	12%		10%	12%		10%	12%		10%	12%		10%	12%
Efficiency	%	86%	87%		86%	87%		86%	87%		86%	87%		86%	87%		86%	87%		86%	87%		86%	87%	
Output Ripple % @ 100Hz*	%		10%	12%		10%	12%		10%	12%		10%	12%		10%	12%		10%	12%		10%	12%		10%	12%
Cold Start Inrush Current*	A			5,0			5,5			6,0			6,0			6,0			5,5			6,0			6,0
Warranty*	YEARS	5			5			5			5			5			5			5			5		
Designed to last*	HOURS	50.000			50.000			50.000			50.000			50.000			50.000			50.000			50.000		
Dimming System		NO			NO			NO			NO			NO			NO			NO			NO		
Operational Temperature	°C	-20	45		-20	45		-20	45		-20	45		-20	45		-20	45		-20	45		-20	45	
Dimensions	mm	41.5 x 26.5 x 136			41.5 x 26.5 x 136			42 x 30 x 136			42 x 30 x 136			42 x 30 x 237			42 x 30 x 237			42 x 30 x 237			42 x 30 x 237		
Weight	g	165			165			170			170			170			170			175			175		
IP Factor		20			20			20			20			20			20			20			20		
Certifications		CE, RoHS			CE, RoHS			CE, RoHS			CE, RoHS			CE, RoHS			CE, RoHS			CE, RoHS			CE, RoHS		

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



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