



- Characteristics

- Constant Voltage Output Regulation
- by DALI2 and IP66 and SELV
- pushbutton
- Minimum regulation 0.1%.
- PFC (Power Factor Corrector) Flicker free
- and Standby consumption <0.5W 5 year
- warranty

- Applications

- LED strips
- LED panels
- Lettering
- Backlight
- Furniture
- Interior design
- Exterior lighting

- Description

The model 24308 is an LED driver with constant voltage output, dimmable from 0-100% (and on/off) using DALI or conventional pushbutton. Designed to power 24V LED strips, it can also power dimmable LED bulbs that work at a constant 24V. It incorporates a 32-bit microcontroller which allows obtaining a minimum regulation level of 0.1%, ideal for ambient light applications. The DALI address and output voltage adjustment can be programmed via NFC with the EasyNFC App. It has high efficiency, as well as active power factor correction.

- Main features

- | | | | |
|------------------|-------|-------------------|---------------------------|
| - Output voltage | 24Vdc | - Regulation | DALI/DALI2 and pushbutton |
| - Output current | 12.5A | - input range | 110-277Vac |
| - Output power | 300W | - Input Frequency | 47-63Hz |
| - Efficiency | 91% | - Dimensions | 301 x 78 x 25.1mm |

- Specifications

Model	24308	
Exit	Output voltage	24Vdc (24-25.5V adjustable by NFC)
	Output current	12.5A
	Rated power	300W
	Load regulation	±2%
	Voltage tolerance	±0.2V
Entrance	Voltage range	110-277Vac
	Frequency range	47-63Hz
	power factor	Typical ≥0.95 at full load and 230Vac
	Harmonic distortion (THD)	≤ 10% at full load and 230Vac
	Efficiency	91% at full load and 230Vac
	Input current (max.)	3.5A
	No-load consumption	≤0.5W
	Starting current	70A, 188μS at 50% and 230Vac
Regulation	Leakage current	<0.5mA
	Regulation	DALI/DALI2 and conventional push button
Conditions of work	Regulation range	On and off. Range 0-100%. Minimum 0.1%
	Work temperature	-40°C to +70°C (see drift curve)
	Box temperature	90°C
	Working humidity	From 20% to 95% without condensation
	Temp. storage	From -40°C to +80°C. 10-95% relative humidity
	Temp coefficient	±0.03% / °C (0-50°C)
Protections	Vibrations	10-500Hz, 2G 10 min./cycle. 60 min on each X, Y, Z axis
	Overload	≤ 120%. Hiccup type, with self-recovery
	short circuit	Hiccup type, with self-recovery
Security and compatibility electromagnetic	Excess temperature	55°C ± 10°C output shutdown. Self-recovery
	Approvals	CE, UL, SELV
	Standards of security	EN 61347-1, EN 61347-2-13, UL 8750
	Isolation (rig. dielectric)	I/PO/P:3.75KVac I/P-FG:1.5KVac O/P-FG:0.5KVac
	Insulation resistance	Input-Output 100MΩ @500Vdc, 25°C, 70% RH
	EMF emissions	EN 55015; EN 61000-3-2; EN 61000-3-3 (≥50% load)
Others	EMF Immunity	EN 61547; EN 61000-4-2,3,4,5,6,11
	Weight	1.15Kg
Grades	Dimensions (Length x Width x Height)	301 x 78 x 25.1mm each driver 390 x 325 x 185mm each driver box (20 units)
	All parameters have been measured at 25°C ambient temperature unless otherwise indicated	