

GTPC-150-24-S2-DA

GLP CV 24V 150W gen. 2 Plastic case DALI II and push dimming, SELV LED Driver



■ Features:

- Constant voltage design, PWM style output
- European AC input range
- Protections: Overload/Short-circuit/Over-temperature
- Built-in active PFC function
- Cooling by free air convection
- Isolation class II
- DALI-2 and push dimming function. Dimming range: 1-100%



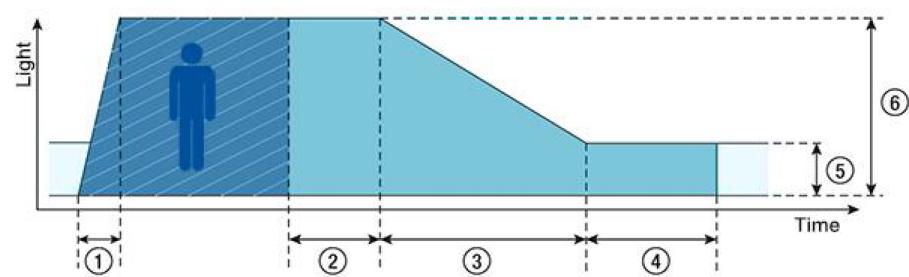
ELECTRICAL SPECIFICATION

Product Type	LED Driver, Industrial Power Supply, Power supply
Output Voltage	24V DC
Rated Current	6.25 A
Power (W)	150 W
Dimming	DALI, PUSH
Voltage Ripple & Noise (max.)	±5%
Setup, Rise Time	□0.8s
Hold up Time (typ.)	□0.4s
AC input voltage range	European
PFC	Yes
Protection class	II
Efficiency (typ.)	≥91%@Full load, @ 230V AC
AC Current (typ.)	1A Max@Full Load, 198VAC
Inrush Current (typ.)	36.6A / 224 us
IP protection level	IP20
Over Current / Overload protection (range)	105-150% rated output power
Over Current / Overload protection	Automatic recovering
Short Circuit protection	Automatic recovering
Over Temperature protection	Automatic recovering
Working Temperature range	-20°C~+45°C
Working Humidity range	20%-90%RH
Storage Temperature and Humidity	-30°C~+85°C 20%-90%RH
Safety Standards	EN61347-1, EN 61347-2-13

EMC Emission	EN62384, EN62493:2015, EN55015
EMC Immunity	EN61547
Harmonic Current	EN61000-3-3, EN61000-3-2
Dimmensions (L x W x H)	318 x 38 x 30 mm
Warranty	5 years
Mounting	surface
Programmable	No

MECHANICAL SPECIFICATION

Corridor mode



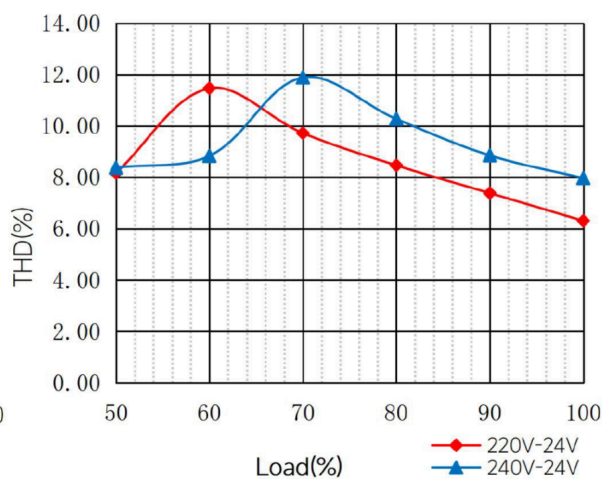
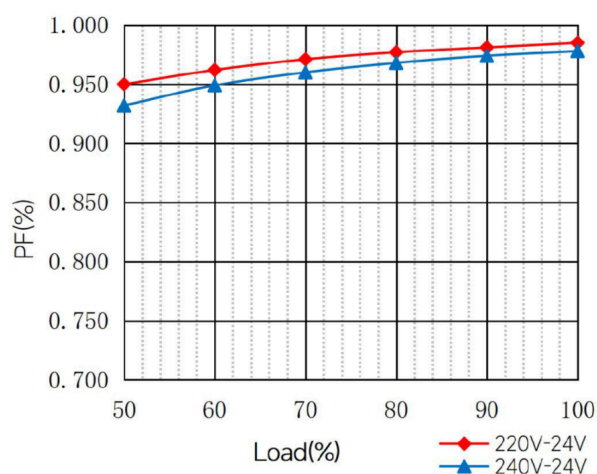
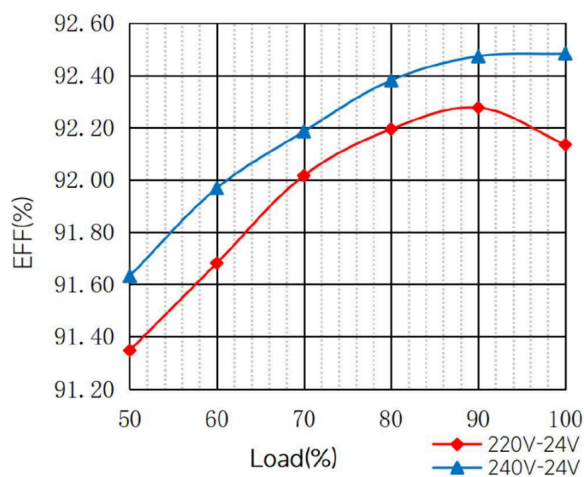
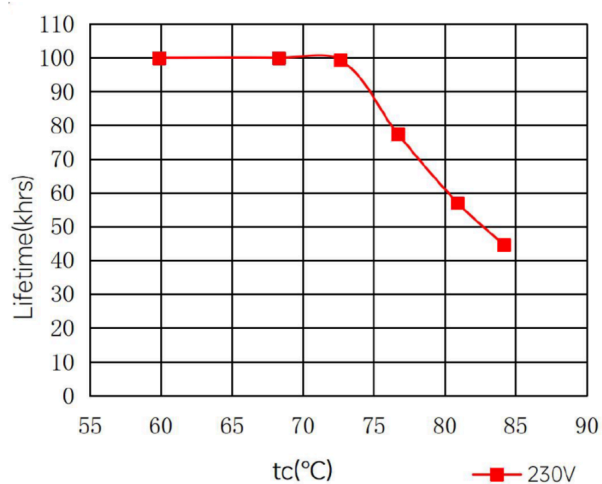
- ①**Fade-in time(0.5s):** the time that starts as soon as the presence of a person is detected. During the fade-in time the luminous intensity is faded up to the presence value.
- ②**Run-on time(120s):** the time that starts as soon as the presence of a person is no longer detected. If the presence of a person is detected again during the run-on time the run-on time is restarted from zero. If no presence is detected during the run-on time the fade time is started as soon as the run-on time expires.
- ③**Fade time(32s):** the time during which the luminous intensity is faded from the presence value to the absence value.
- ④**Switch-off delay (Never Off):** the time during which the absence value is held before the lighting is switched off. Depending on the profile selected the switch-off delay may have different values or may not be defined.
- ⑤**Absence value(default: 10 %):** the luminous intensity when there is no person present.
- ⑥**Presence value (default: 100 %):** the luminous intensity when persons are present.

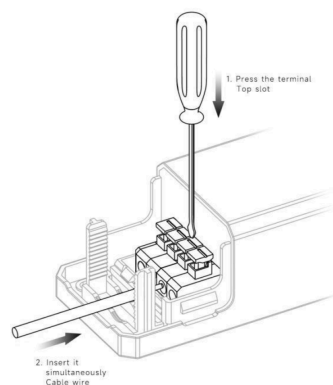
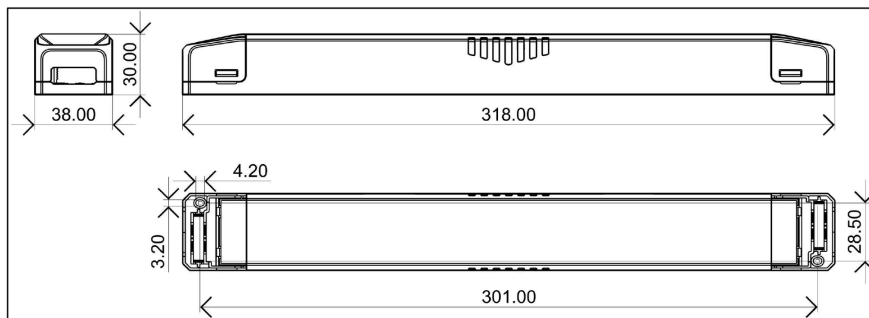
Push dimming operation

Action	Action duration	Function
Short push	<0.5s	Turn on/off
Short push twice	<0.5s	LED on: Save current brightness level LED off: Delete saved level and turn on at 100% brightness
Short push five times	<3s	Quit Corridor mode
Long push	0.5-14s	Dimming up or down
Long push	15s-2mins	Sync all LEDs to be 100% brightness
Long push	>2mins	Enter Corridor mode - LED keep 100% brightness for 2mins. Then brightness will turn to be 10% within 32s if no action during 2mins 100% brightness.

Note:

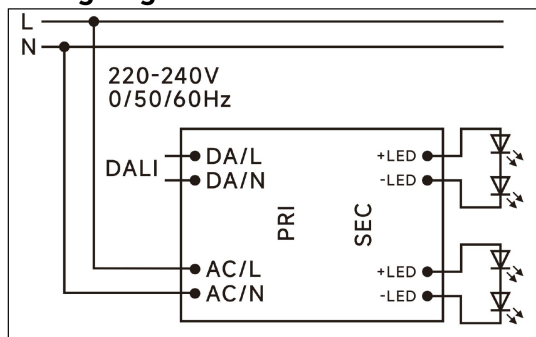
- 1.The factory default brightness is at 100%.
- 2.Up to 30 drivers can perform the PUSH dimming at the same time when utilizing one common push button
- 3.The maximum length of the cable from the push button to the last driver is 200 meters.



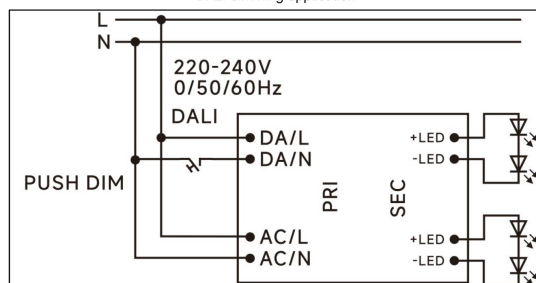


Specification item		Value (Unit)
Input	Input wire cross-section	0.5...1.5 mm ² (With A side caps : 0.75...1.5 mm ²)
	Input wire gauge.	16...20 AWG (With A side caps: 16...22 AWG)
	Input wire strip length	7...9mm
Output	Output wire cross-section	0.5...1.5 mm ²
	Output wire gauge.	16...20 AWG
	Output wire strip length	7...9mm

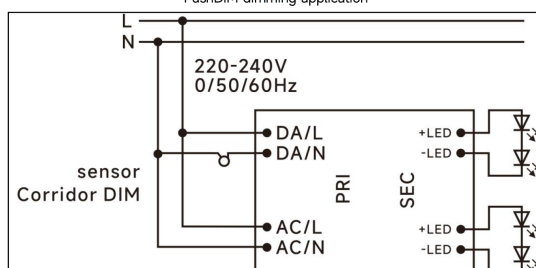
Wiring diagram



DALI dimming application



PushDIM dimming application



Corridor DIM dimming application