

## Constant Voltage LED Driver



### Constant Voltage Driver

**High efficiency**  
**Easy for installation**  
**Compatible with Stucci Multisystem 9500 & EVO**  
**Fully integrate into track**

Rated Input Voltage	Input Current	PF	Output Power Range	Output Voltage	Output Current	Efficiency (typ.)
220-240VAC	≤1.5A	≥0.95	0-250W	48V	0-5.21A	92%

\* Test result @230V, 50Hz, Full Load.

### 1. Parameters

category	Item	Technical Norm
Features	Output Type	Constant Voltage
	Dimming Type	NA
	Output Features	Isolation SELV
	IP Grade	IP20
	Installation	Independent
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of AC Input Voltage	176-264VAC
	Range of DC Input Voltage	175-280VDC (EMI not evaluated)
	Input Current	≤1.5A, 198VAC, Rated Load
	Frequency	Rate:50/60Hz, Range:47~63Hz
	Power Factor	≥0.95, 220-240VAC, Rated Load
	THD	≤10%, 230VAC, Rated Load
	Standby Power Consumption	≤0.5W, @230VAC, Dim to OFF
	Inrush Current	≤80A/200us (230VAC, full-load)
	Connected quantity of 16A Breaker	6pcs, 16A type B / 10pcs 16A type C
Output	Output Voltage	48VDC±3%
	Output Current	0-5.21A
	Output Power Range	0-250W
	Output Ripple Voltage	1%
	Line Regulation	±1%
	Load Regulation	±2%
	Overshoot	<105%Vo (<110%Vo, only for 36W)
	Start-up Time	<0.5S (220-240VAC)






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	Efficiency	≥92%
Protection	Short Circuit Protection	Auto Recovery
	Over Current Protection	120%-200%Io, Auto Recovery
	Over Voltage Protection	120%-150%Vo, Auto Recovery
	Over Temperature Protection	90<Tc<110°C, Auto Recovery
	Insulation voltage	I/P to O/P,3KVac/5mA/1min
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	I/P to O/P < 250μA
Environment	Ta/Operation Temperature	-25....+40°C
	Ts/Storage Temperature	-40....+85°C
	Tc/Enclosure Temperature For Safety	85°C
	Humidity	5%....85%RH
	Atmosphere	86-108KPa
Standards	Certification	CE
	Safety Standards	EN61347-1,EN61347-2-13,EN62493
	EMC Standards	EN55015,EN61000-3-2,EN61000-3-3,EN61547
	Performance	EN62384
	Surge	L-N:2KV
Others	RoHS	2011/65/EU
	MTBF	≥250KHours, Ta=25°C (MIL-HDBK-217F)
	Audible Noise	<25dB @ 10cm distance, 20dB background
	Life Time(@Ta max)	50000h @40°C (Ta)
	Warranty	5years F.R. <10%

**Remark:**

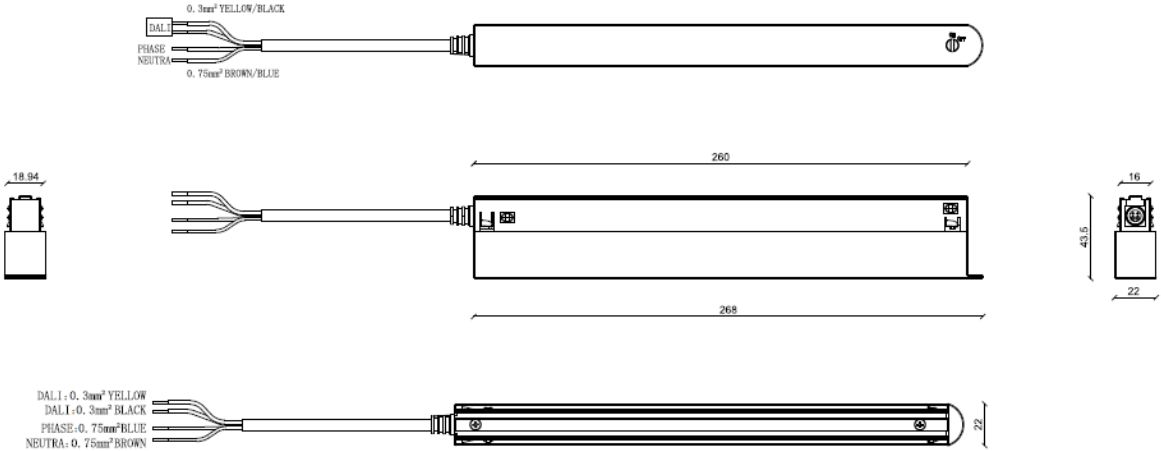
- All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C ambient temperature.
- LED Driver is a component of the luminaires, Luminaires and wire layout will affect the EMC, please check the EMC with end products again.
- Output ripple should be measured at the output end which has with 0.1uF/100V ceramic capacitance and 47uF/100V Aluminum capacitance connected in parallel. Measured using oscilloscope with bandwidth limited to 20MHz.

## 2. Label

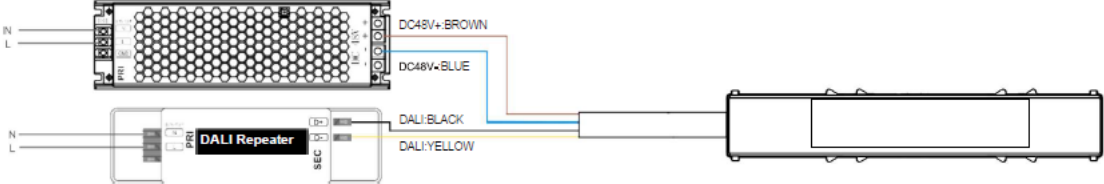
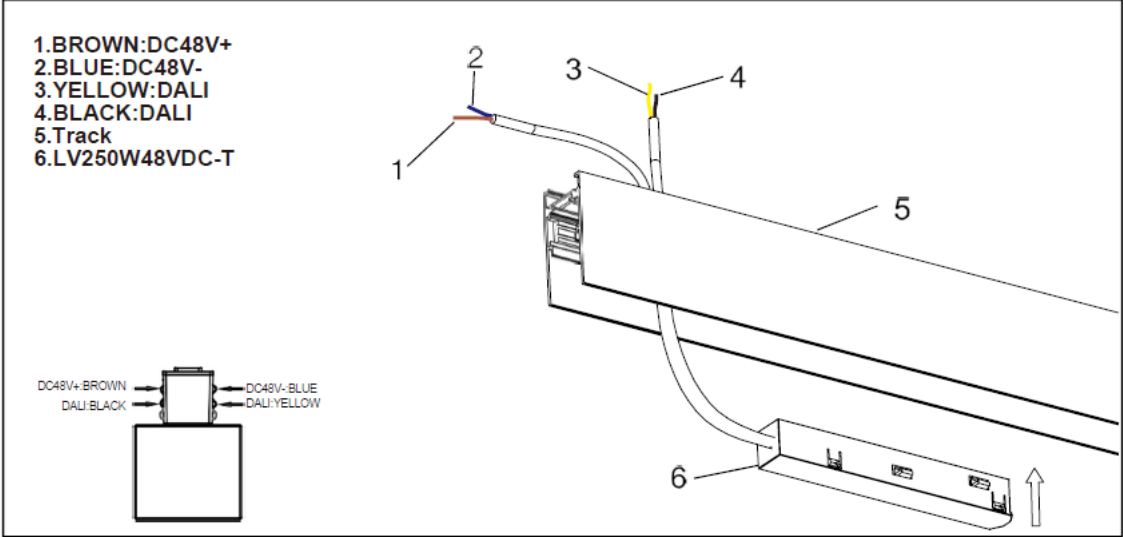
<input type="checkbox"/> L <input type="checkbox"/> DA <input type="checkbox"/> DA <input type="checkbox"/> N <b>INPUT</b>	<b>Integrate Power supply</b> For DC Intrack LV250W48VDC-T	INPUT:220-240Vac 50/60Hz Rated Power:Max.250W Poewr Factor(λ):≥0.95 Made in China	OUTPUT:48V $\overline{\overline{\overline{\quad}}}$ Max.5200mA Tc:90°C Ta:-25~+45°C IP 42	    
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## 3. Dimension (Unit: mm)



## Installation instruction



Compatible Track

MULTISYSTEM® 轨道

MULTISYSTEM® TRACK

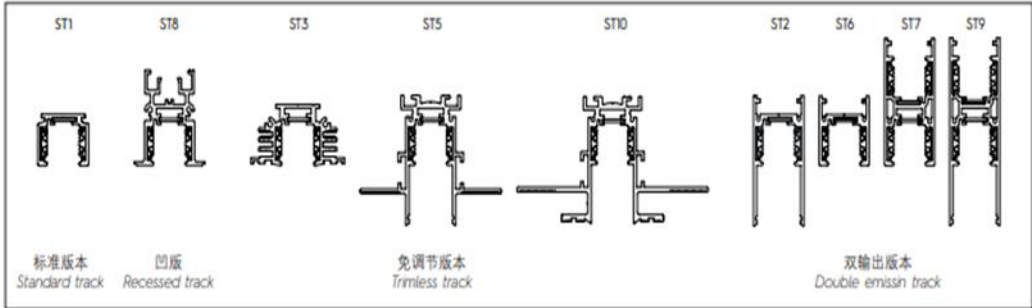


图 1

MULTISYSTEM® 轨道

MULTISYSTEM® EVO TRACK

标准版本  
Standard track

凹版  
Recessed track

免调节版本  
Trimless track

双输出版本  
Double emissin track

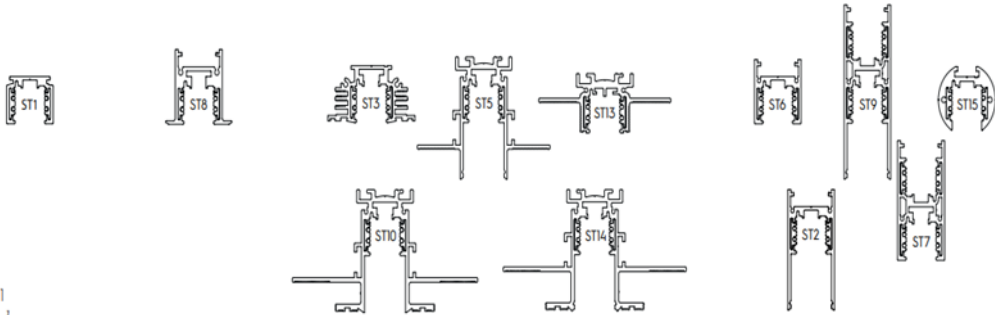


图 1  
Pic. 1