

Objective

This product should be installed by qualified personnel. IP67 of this product, can be installed outdoors and can not working in water for a long time. Good heat dissipation conditions extend product life. Please install the product in a well-ventilated environment. Please check whether the output voltage and current of the LED driver meet the requirements of product. Due to safety concerns, PVC or rubber cord of 0.75-1.5mm² is recommended for input and output terminals (excluding signal terminals). Ensure all wire connections right. Avoid overheating and poor contact cause accidents Flat power cord is not suitable. Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights. In case of malfunction, do not repair it your self: If in doubt, please contact the supplier.

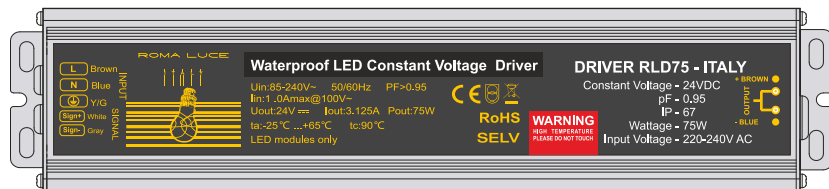
Obiettivo

Questo prodotto deve essere installato da personale qualificato. IP67 di questo prodotto può essere installato all'aperto e non può funzionare a lungo in acqua. Buone condizioni di dissipazione del calore prolungano la durata del prodotto. Installare il prodotto in un ambiente ben ventilato. Verificare che la tensione e la corrente di uscita del driver LED soddisfino i requisiti del prodotto. Per motivi di sicurezza, per i terminali di ingresso e uscita (esclusi i terminali di segnale) si consiglia un cavo in PVC o gomma di 0,75-1,5 mm². Accertarsi che tutti i collegamenti dei cavi siano corretti. Evitare il surriscaldamento e uno scarso contatto può causare incidenti Il cavo di alimentazione piatto non è adatto. Assicurarsi che tutti i collegamenti e le polarità dei cavi siano corretti prima di applicare l'alimentazione per evitare danni alle luci a LED. In caso di malfunzionamento, non ripararlo da soli: in caso di dubbi, contattare il fornitore.

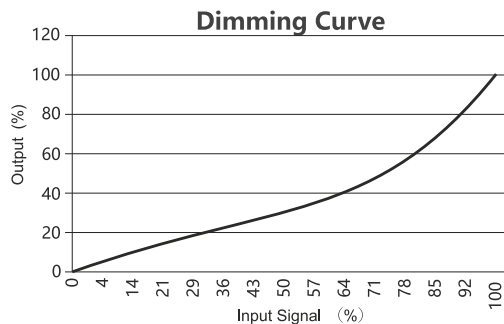
Description

- Constant output voltage 24V LED Driver.
- Universal input voltage range 85~265 AC .
- Push terminals for simple wiring.
- Nominal life-time up to 50,000 h (at ta 65 °C with a failure rate ≤ 0.2 % per 1,000 h)
- Suitable for emergency escape lighting systems acc.

CODE	ORDER CODE	WATTAGE	AMP	pF	CC-V	INPUT V	SIZE mm
RLD 25	RLD 25-IP67	25W	1.041	0.95	24V DC	85~265 AC	210 X 50 X 30H
RLD 75	RLD 75-IP67	75W	3.125	0.95	24V DC	85~265 AC	257 X 50 X 30H
RLD 100	RLD 100-IP67	100W	4.164	0.95	24V DC	85~265 AC	257 X 50 X 30H
RLD 150	RLD 150-IP67	150W	6.25	0.95	24V DC	85~265 AC	305 X 50 X 30H
RLD 200	RLD 200-IP67	200W	8.333	0.95	24V DC	85~265 AC	305 X 50 X 30H

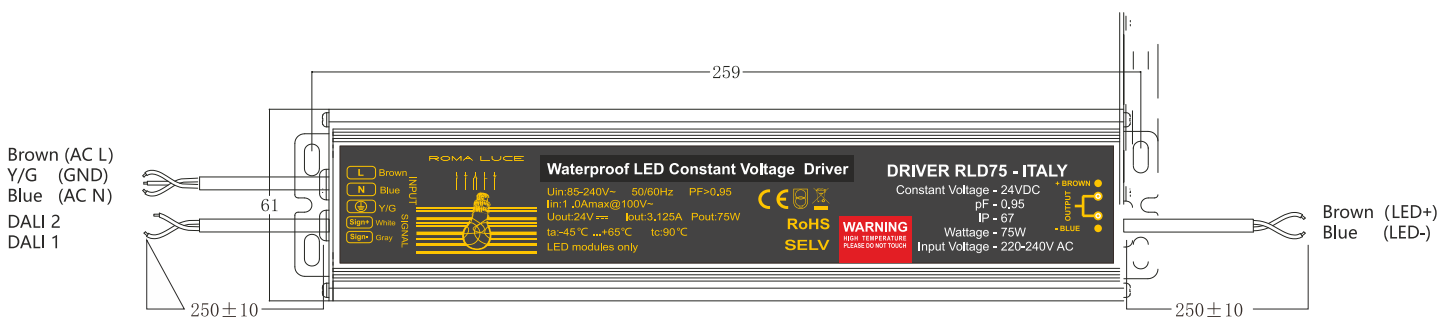
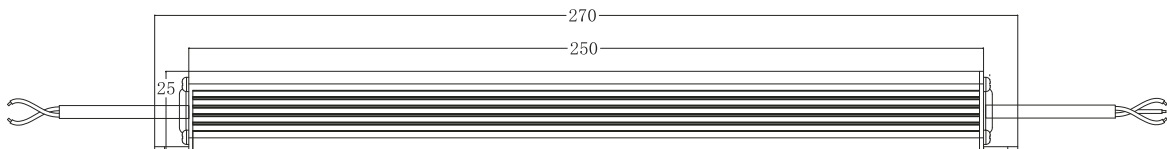


PHASE CUT	DALI	1-10 DIMMING	0-10 DIMMING
IP 67	IK 06	65°C	-25°C
CIDET	EAC	COMPLIANCE LM-78 TM-21 LM-80	
PASEL ACCREDITATION	POWER SUPPLY	ECO	
RoHS	SELV	F	series wiring
CE	COMPLIANCE	RECYCLE	ENERGY STAR
A++		DC 24V	

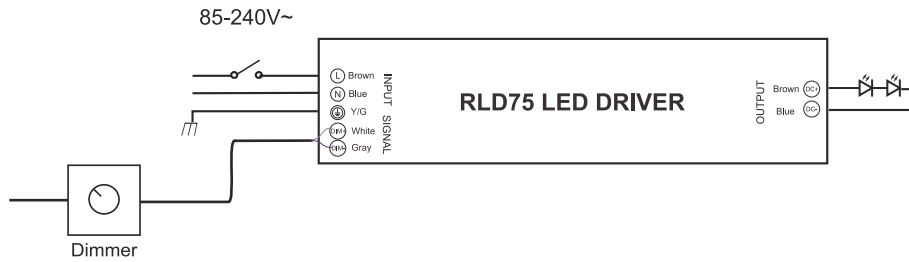


In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.romaluce.it are the most recent versions and supercede all other printed or electronic versions.

Technical Parameters for 75W	Output	Channel	1
		Voltage	24VDC
		Output frequency	1KHz PWM
		Current	3.125A
		Power	75W
		Voltage accuracy	±2%
		Ripple	<120mVp-p
	Input	Voltage	85VAC-240VAC
		Frequency	50/60Hz
		Efficiency (Typ.)	>86%@230VAC, full load
		PF (Typ.)	≥0.95@230VAC, full load
		THD(full load)	<10%@230VAC, full load)
		Current	1.0Amax@100VAC
		Inrush current	Cold start,50A@230VAC
		Standby power	<0.5W
	Protection	Over voltage	Hit cup, recovers after fault condition is removed
		Over load	Hit cup, recovers after fault condition is removed
		Short circuit	Close output, recovers after fault condition is removed
		Over temperature	Close output, driver works normally after the temperature is restored
	Safety&EMC	Surge	L-N:2kV, L, N-PG:4kV
		Withstand voltage	I/P-O/P: 3000VAC/1min/5mA I/P-Gnd: 1500VAC/1min/5mA O/P-Gnd: 500VAC/1min/5mA
		Safety standards	IEC/EN61347-1,IEC/EN61347-2-13,GB19510.1,GB19510.14
		EMC emission	EN50515,EN61000-3-2 Class C,IEC61000-3-3
		EMC immunity	EN61000-4-2,3,4,5,6,8,11 EN61547,GB17625.1
	Function	Dimming mode	[0-10V] [1-10V] [DALI] [PHASE CUT]
		Dimming range	[0%-100%] [10%-100%] [As Programed] [Manual]
	Other	Dimension	270*61*25mm (L*W*H)
		G.W.	830g
IP rating		IP67	
Working temp.		-25°C~65°C	
tc		90°C	
Relative humidity		20~90% RH	
Lifetime		50,000h@tc:65°C	
Material	Aviation aluminum		
Switch cycle	>100,000 times		



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Benefits

SELV operating voltages, ensuring safety even if wiring or LED boards become damaged • Energy savings through high efficiency • Ultimate robustness, offering peace of mind and lower maintenance costs

Easy to design-in and install • Long lifetime • Installation friendly, for Class I and Class II systems • Best EMC performance

Features

Built-in use for Insulation Class I and II applications
 Metal housing with encapsulated flying leads
 Global approbations and certifications
 Stable output voltage
 Wide ambient temperature range
 Overtemperature and overpower protection
 Output short-circuit shutdown feature with automatic restart

Applications

Refrigerated display, retail display and linear accent lighting

Coolers and freezers
 Shelf lighting
 Cove lighting
 Facade accent lighting

Electrical input data

Specification item	Value	Unit	Condition
Rated input voltage range	85 ... 265	Vac	Performance
Rated input voltage range	80 ... 270	Vac	Operational safety
Rated input frequency	50 ... 60	Hz	Performance
Rated input frequency	45 ... 66	Hz	Operational safety
Power factor	0.99 ... 0.97		85~265Vac, @ rated output power. See graph.
Total harmonic distortion	10 ... 11.5	%	85~265Vac, @ rated output power. See graph.
Efficiency (typ)	86 ... 88	%	85~265Vac, @ rated output power. See graph

Electrical output data

Specification item	Value	Unit	Condition
Regulation method	Constant Voltage		
Output voltage range	23.5 ... 25.6	Vdc	
Output current range	0 ... 4.16	A _{dc}	
Output voltage ripple	< 230	mV _{pp}	
Rated output power	100	W	
Line regulation	< 0.1	%	
Load regulation	< 1	%	
Turn-on delay	≤ 0.25	s	
Output voltage rise time	≤ 30	ms	
Hold-up time	45	ms	

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