

Objective

This product should be installed by qualified personnel. IP20 of this product, can be installed indoor 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. IP20 di questo prodotto può essere installato al chiuso 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.

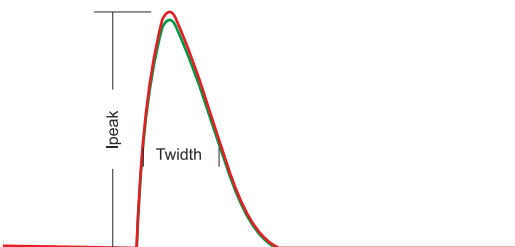
Description

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 55 °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
RL 25	RL 25-IP20	25W	1.04	0.95	24V DC	85~265 AC	85 X 58 X 34
RL 40	RL 40-IP20	40W	1.67	0.95	24V DC	85~265 AC	110 X 78 X 38H
RL 72	RL 72-IP20	72W	3.00	0.95	24V DC	85~265 AC	160 X 100 X 42H
RL 120	RL 120-IP20	120W	5.00	0.95	24V DC	85~265 AC	200 X 100 X 42H
RL 150	RL 150-IP20	150W	6.25	0.95	24V DC	85~265 AC	200 X 100 X 42H
RL 180	RL 180-IP20	180W	7.50	0.95	24V DC	85~265 AC	200 X 100 X 42H
RL 250	RL 250-IP20	250W	10.42	0.95	24V DC	85~265 AC	200 X 115 X 50H
RL 360	RL 360-IP20	360W	15.00	0.95	24V DC	85~265 AC	215 X 115 X 50H

Inrush current

Specification item	Value	Unit	Condition
Inrush current I _{peak} (typ)	30	A	Input voltage 240Vac
Inrush current T _{width} (typ)	400	µs	Input voltage 240Vac, measured at 50% I _{peak}
Max. recommended number of drivers	9	pcs	MCB 16A B type, mains impedance 200mΩ + 400µH



ON/OFF IP 20 IK 06

A++ DC 24V -25°C to 55°C RoHS SELV F series wiring CE EAC PASEL ACCREDITATION POWER SUPPLY CIDET COMPLIANCE

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.

MCB	Rating	Relative number of drivers *
B	6A	37%
B	10A	63%
B	13A	81%
B	16A	100%
B	20A	125%
B	25A	156%
C	6A	63%
C	10A	104%
C	13A	135%

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
Rated input current	0.99...0.50	A	85~265Vac, @ rated output power
Rated input power	118 ... 113	W	85~265Vac, @ rated output power
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	Adc	
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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