Features

LED Driver

- Low Cost 230VAC LED Power Supply
- 350mA to 1050mA Output, 25-44VDC
- Active Power Factor Correction >0.95
- Designed to drive 15W-46W COB LEDs
- Terminal Block Input/Output with Cable Clamps
- Fully Protected (OLP, SCP, OCP, OTP)
- Suitable for Class I and Class II Luminaires

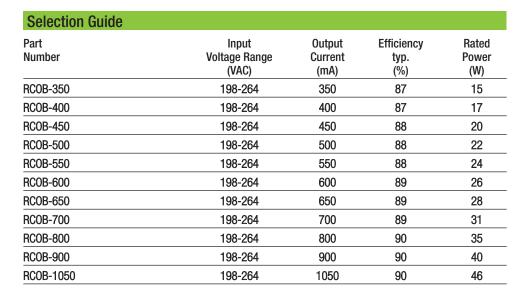
Description

These COB LED drivers are available with eleven preset output currents between 350mA and 1050mA. They are designed to drive COB (Chip On Board) high power LEDs with a forward voltage between 25V and 44VDC from a 230VAC supply (198-264VAC). They operate with efficiencies of up to 90%, feature active PFC and are fully protected against short circuit, output overvoltage, open-circuit and over-temperature conditions. The LED drivers are suitable for both independent and built-in installations and for installations inside furniture.



RCOB

Constant Current Active PFC Single Output











Specifications (measured at TA= 25°C, nominal input voltage, rated load)

BASIC CHARACTERISTICS					
Parameter	Condition	Min.	Тур.	Max.	
Input Voltage Range		198VAC	230VAC	264VAC	
Output Voltage Range	full load	25VDC		44VDC	
absoulute max. Output Voltage	full load			56VDC	
Inrush Current	at 230VAC		8A / 10µs		
Start-up Time	at 230VAC			1 Second	
Input Frequency		47Hz	50Hz	63Hz	
Efficiency		see Selection Guide			
Output Current Accuracy	low line to high line, full load		±8%		
Power Factor	full load, 230VAC		0.95		

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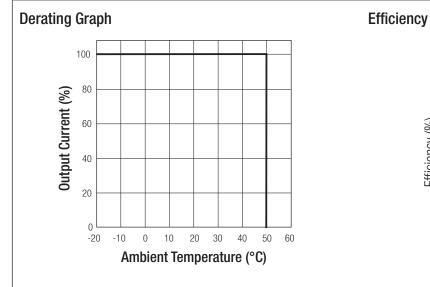
EN-61347-1 Compliant EN-61347-2-13 Compliant EN-55015 Compliant EN-61547 Compliant EN-61000-3-2 Compliant EN-61000-3-3 Compliant

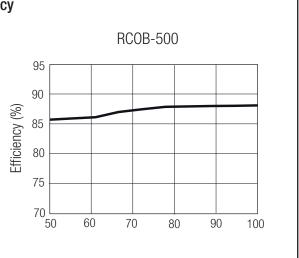
Refer to Applications Notes



RCOB

Series





PROTECTION			
Parameter	Condition	Value	
Short Circuit Protection (SCP)	230VAC / 50Hz	constant current limit at I _{nominal} and recovers after fault condition is removed	
Over Load Protection (OLP)	230VAC / 50Hz	power limiting if forward voltage of LED's is higher than 44VDC	
Output Over Voltage Protection (OVP)	230VAC / 50Hz	56V max.	
Output Over Current Protection (OCP)	230VAC / 50Hz	constant current source	
Over Temperature Protection (OTP)		automatic recovery after cool down	
Surge Capacity	L-N	2kV	
	L,N-FG	4kV	
Input Fuse	Standard	T1A	

ENVIRONMENTAL				
Parameter	Condition	Value		
Operating Temperature Range	all Types	-20°C to +50°C, Ambient		
max. Case Temperature Range	RC0B-350 to -500	80°C max.		
	RCOB-550 to -700	85°C max.		
	RCOB-800 to -1050	90°C max.		
Storage Temperature Range		-30° to +80°C, Ambient		
Storage Humidity		30% - 95% RH		
Operating Humidity	RCOB-800 to -1050	45% to 85% RH		
	RCOB-350 to -700	5% to 85% RH, non condensing		
MTBF	at Ta= 80°C	50 x 10 ³ hours		



RCOB

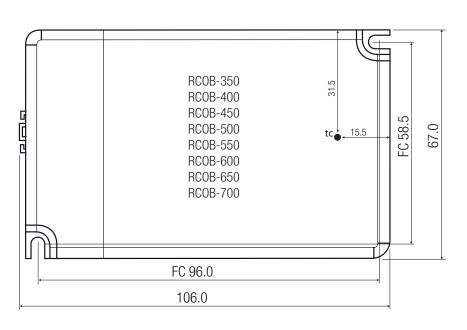
Series

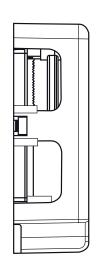
Specifications (measured at TA= 25°C, nominal input voltage, rated load)

SAFETY AND CERTIFICATIONS				
Certificate Type		Standard		
CE General Safety	Compliant	EN-61347-1		
CE Safety of AC supplied Control Gear for LED Modules	Compliant	EN-61347-2-13		
RoHS	Compliant	RoHS 6/6		
Certificate Type (Environmental)		Standard / Criterion		
Electric Lighting, EMC Immunity	Compliant	EN-61547		
Electric Lighting, EMC Emissions	Compliant	EN55015, Class B		
Limits for Harmonic Emissions EMC Compatability: Flicker and Voltage Variations	Compliant	EN-61000-3-2 EN-61000-3-3		
IP Rating		IP20		

DIMENSIONS and PHYSICAL CHARACTERISTICS			
Case Material	Integrated cable clamps, Plastic		
Package Dimensions (LxWxH)	RCOB-350 to -700 RCOB-800 to -1050	106 x 67 x 22mm 121.7 x 78 x 22mm	
Package Weight	RCOB-350 to -700 RCOB-800 to -1050	108g 165g	
Packaging Dimension (LxWxH)		12.5 x 8.2 x 3.8	
Packaging Quantity		10pcs	

Mechanical Dimensions







2 Mounting screws are included tc= Case Temperature Measuring Point

Tolerance: ±0.5mm FC: fixing center

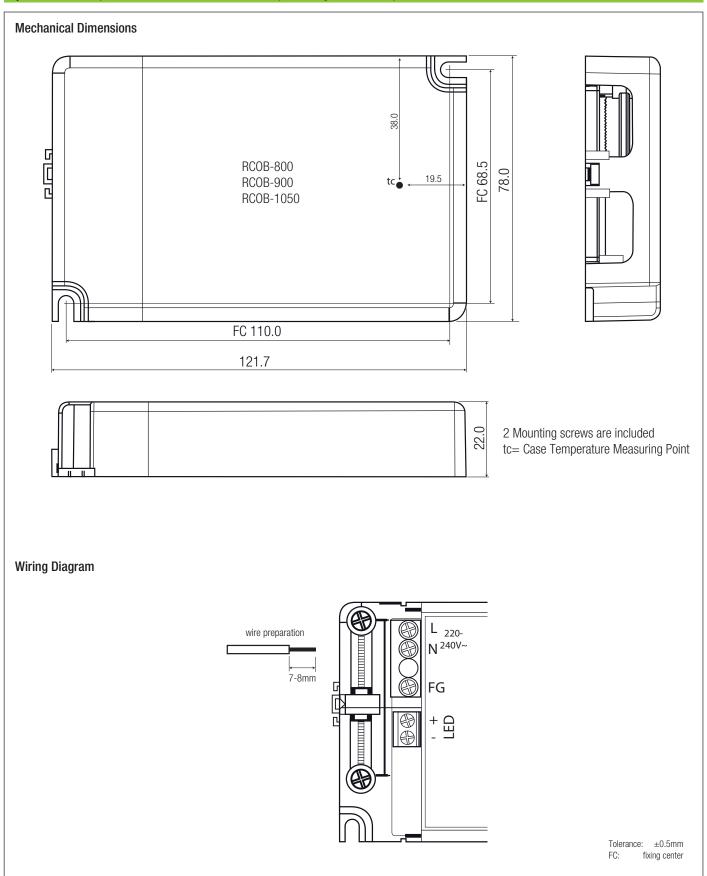
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RCOB

Series

Specifications (measured at TA= 25°C, nominal input voltage, rated load)



The product information and specifications are subject to change without prior notice. All products are designed for non-safety critical commercial and industrial applications.

The buyer agrees to implement safeguards that anticipate the consequences of any failures that might cause harm, loss of life and/or property damage.