

## RD CCCB 21/230/350-500 DIP FV1

Built-in adjustable power LED driver
Flicker free LED driver
Output current 350mA;400mA;450mA; 500mA;
Max. output power 21W
For luminaires of protection class I,II
5-year warranty



### ELECTRICAL SPECIFICATIONS

Rated input voltage range:	220 ... 240 Vac				
Max. input voltage range:	198 ... 264 Vac				
Max. DC voltage range :	198 ... 250 Vdc				
Rated frequency range:	0 / 50 / 60 Hz				
Max. input current:	0.15 A @ 230 Vac				
Total harmonic distortion (max.):	≤15 % at rated input voltage range @ full load				
Inrush current:	≤ 30 A at rated input voltage range @ full load				
MCB Loading Quantity:	MCB Type:	B10	C10	B16	C16
	Qty (PCS):	22	37	36	60
Output current tolerance:	± 5 % at rated input voltage range @ rated load				
Turn on delay time:	≤ 0.5 s at full load @ rated input voltage				
No load output voltage:	≤ 55 Vdc				
Stroboscopic coefficient:	≤ 1%				
PSTLM:	≤ 1 at full load @ rated input voltage				
SVM:	≤ 0.4 at full load @ rated input voltage				
Withstand voltage:	I/P-O/P: 3.75 KVac, < 5 mA 60 sec				
Mains surge immunity:	L-N 1 KV				
Connection terminal type:	90° push in terminal				
Wire cross section:	Primary side: Built-in 0.5 - 1.5 mm <sup>2</sup> ,Independent 0.75 - 1.5 mm <sup>2</sup> secondary side: 0.5 - 1.5 mm <sup>2</sup>				
Wire stripping length:	7-8mm				
Protection rating:	IP 20				
Protection:	Over voltage protection: Hiccup mode. Protection device will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed.				
	Short circuit protection: Hiccup mode. Protection device will trigger when short circuit and will auto recover after the fault mode is removed.				

### ELECTRICAL SPECIFICATIONS

Supplementary instruction:	<p>1. It is recommended that customers install under voltage protection and surge protection devices in the power supply circuit of lamps to ensure the safety of electricity consumption.</p> <p>2. The power supply is used in combination with the terminal equipment as a part of the whole lamp. Because the EMC performance is affected by LED lamps and wiring, the terminal is set in case the manufacturer needs to reconfirm the EMC of the whole device.</p>
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### ENVIRONMENTAL SPECIFICATIONS

Operating temperature:	-20 to 50° C
Storage temperature:	-40 to 80° C
Working humidity:	10 % to 90 %
Store humidity:	5 % to 90 %
Driver lifetime:	at Tc ≤ 65°C: 50,000 hrs;
Maximum Tc temperature:	75° C

### PRODUCT SPECIFICATIONS

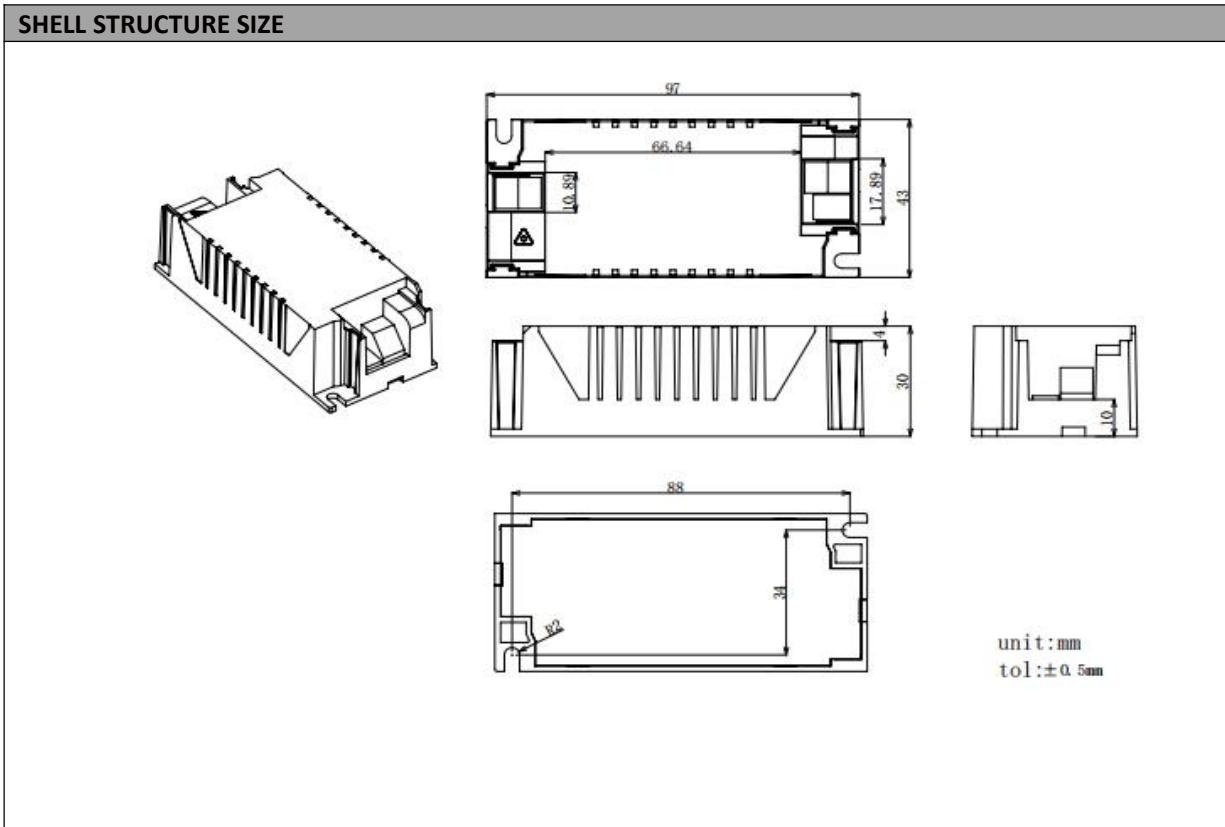
Model Number (Full Model)	Output Current	Input Voltage	Output Voltage	Efficiency @full load	Current Accuracy	PF@full load	Dimension L*W*H (mm)
RD CCCB 21/230/350-500 DIP FV1	350mA	220-240Vac 198-250Vdc	25-42Vdc	84%	±5%	≥0.9	L97*W43*H30
	400mA			85%			
	450mA			86%			
	500mA			86.5%			

### SAFETY AND EMC COMPLIANCE

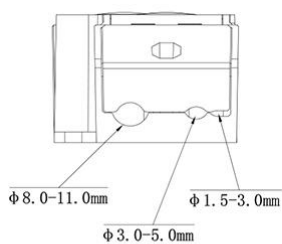
ENEC+ CE	EN 61347-2-13:2014/A1:2017	SAA	AS/NZS IEC 61347.2.13.2014	
	EN 61347-1:2015		AS/NZS 61347.1:2016	
	EN 62384:2006/A1:2009			
	EN 55015:2019/A1:2020			
	EN61000-3-2:2019			
	EN61000-3-3:2013			
	EN61547:2009			

PHYSICAL DIMENSIONS	
Length (L):	97 mm
Width (W):	43 mm
Height (H):	30 mm

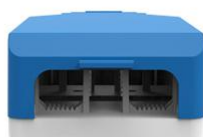
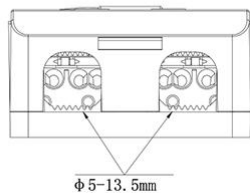
PACKAGING	
0.074 kg / unit	45 pcs / carton
Carton size:	303 x 225 x 120 mm
Carton weight:	3.8 kg



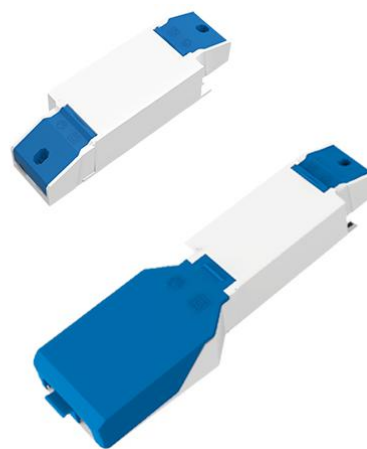
### OPTIONAL ACCESSORIES



XZ-ID-A



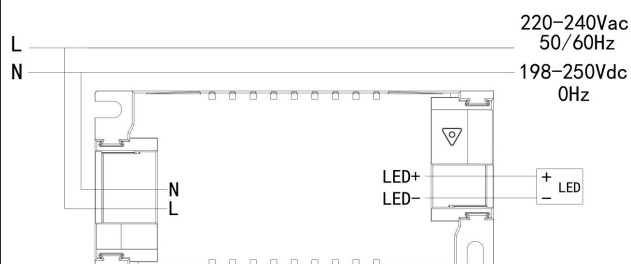
XZ-ID-LOOP-A



Dimensions(mm)	Length	Width	Height
XZ-ID-A	38	34	30
XZ-ID-LOOP-A	113.4	57.2	30
Driver incl:2*XZ-ID-A	143	43	30
Driver incl:1*XZ-ID-A,1*XZ-ID-LOOP-A	218.6	57.2	30

### WIRING DIAGRAM

1. All connections must be as short as possible to ensure good EMI performance.
2. The lamp wire should keep a certain distance from the LED power supply and other wires (5-10 cm is preferred).
3. Incorrect wiring can damage LED.
4. The wire must be well protected against short circuit.

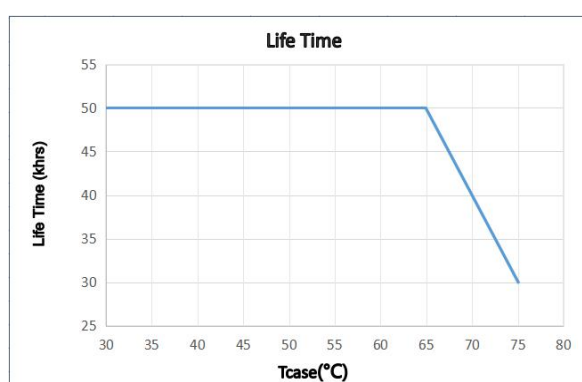
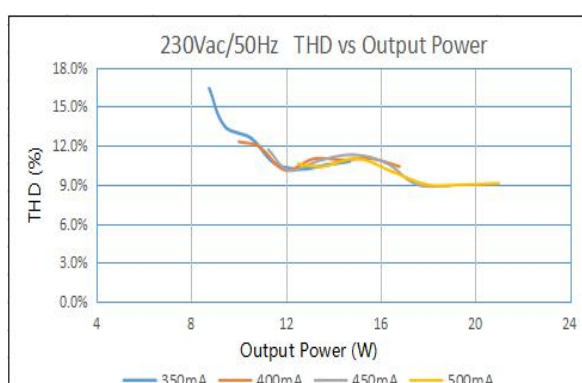
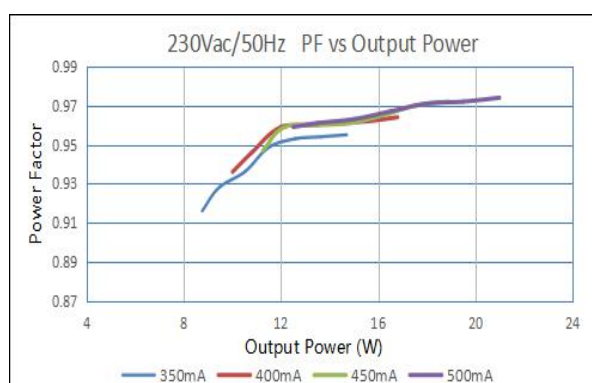


### Adjustable Output Current with dip-switch



Output Current	1	2
350mA	OFF	OFF
400mA	ON	OFF
450mA	OFF	ON
500mA	ON	ON

### TECHNICAL INFORMATION



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