

Constant Current Driver

Model:RCXXWXXXA7

Model	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Current	Output Voltage	No load Voltage
RC8W200A7	0.14A	12W	5.40-8.00W	0.5	80%	200mA	27-40V	55V
RC10W250A7	0.16A	14W	6.75-10.0W	0.5	82%	250mA	27-40V	55V
RC12W300A7	0.16A	16W	8.10-12.0W	0.5	82%	300mA	27-40V	55V
RC14W350A7	0.18A	18W	9.45-14.0W	0.5	82%	350mA	27-40V	55V

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

1. Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Current
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Frequency	50/60Hz
	Input Current	≤0.18A
	Input Power	≤18W
	Power Factor	≥0.5 (230VAC，full load)
	THD	⩽15%
	No-load Power Consumption	≤0.5W
Output	Current Accuracy	±5%
	Max. Output Power	14W
	Started Delay Time	≤0.5S (230VAC，full load)
	LF Current Ripple (< 120 Hz)	±5%（Imax-Imin）/（Imax+Imin）
	PstLM	≤1
	SVM	≤0.4
Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery
	No-load Protection	Auto Recovery
	over-temperature protection	Auto Recovery
	Insulation voltage	I/P to O/P , 3KVac/1min
	Insulation resistance	>100M ohm @ 500VDC

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	Leakage current	< 250μA, I/P to O/P
Environment	Ta/Operation Temperature	-20….+60℃
	Ts/Storage Temperature	-30….+85℃
	Tc/Enclosure Temperature	90℃
	Humidity	10%....90%RH
	Atmospheric pressure	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Built-in
	PRI Wire preparation	0.5-1.5□
	SEC Wire preparation	0.5-1.5□
	Dimension	Φ42*22mm (R*H)
Standards	Certification	TUV、CE、SAA
	Safety Standards	EN61347-1:2015,EN61347-2-13:2014/A1:2017, AS 61347.2.13:2018,AS/NZS 61347.1:2016 Inc A1
	EMC Standards	EN IEC 55015:2019EN, IEC 55015:2019/A11:2019 ,EN IEC 61000-3-2:2019,EN 61000-3-3:2013/A1: 2019,EN61547:200
	Performance	EN62384
	Surge	L-N/1KV
Others	RoHS	complied to 2011/65/EU
	Life Time	50000h @Ta/ Tc
	Warranty	5years , F.R. < 10000ppm

Remark:

1.All Parameters, if not specified, are measured at 230VAC/50Hz ， At full load and 25℃ ambient temperature.

2.LED Driver is a component of the luminaires, Luminaires and wire layout will affect the EMC, please check the EMC with end products again.

2. Connected quantities of different current Breaker

TYPE	Connected quantities of different current Breaker						Input Voltage	Inrush Current	Time
	current（A）	10	13	16	20	25			
	Installation wire diameter	1.5mm²	2.5mm²	2.5mm²	4mm²	4mm²			
TYPE B		30	39	48	60	75	@230VAC	20	460μs
TYPE C		48	62	77	96	120			
TYPE D		77	100	123	154	192			

3. Label

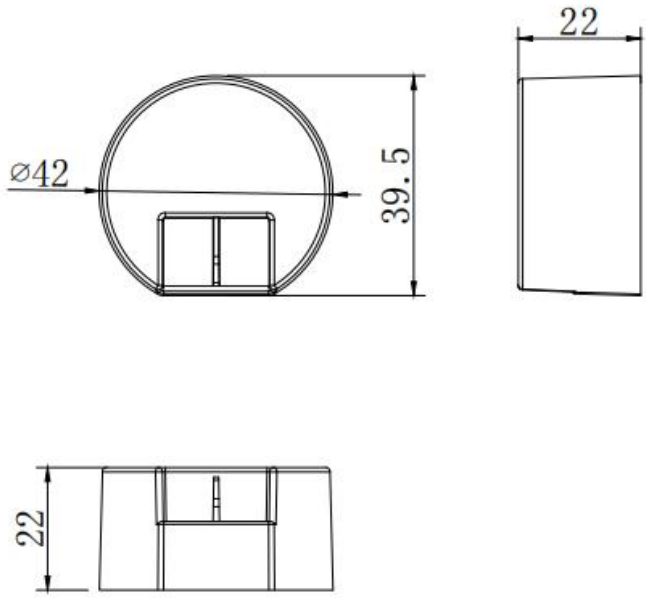




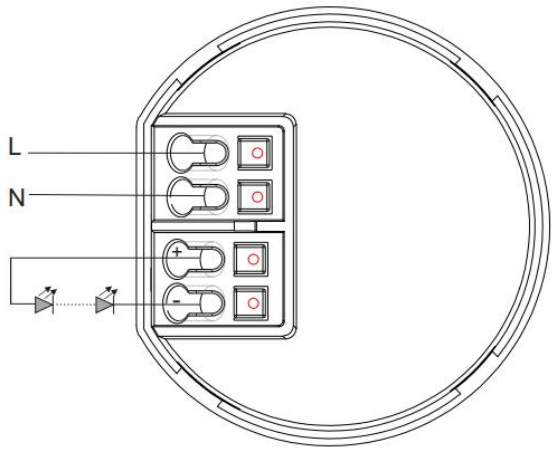
4. Lifetime curve



5. Dimension



6. Wiring Diagram



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7. Packing information

Carton L*W*H(mm)	Pcs/ Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight/ Carton(kg)
435*280*210	280	0.04	11.2	12.0

8. Wiring instructions

• All connections must be kept as short as possible to ensure good EMI behaviour

• Mains leads should be kept apart from LED Driver and other leads (ideally 5 – 10 cm distance)

• Advice the maximum length of output wires is 3 m

• Secondary switching is not permitted（Except for constant voltage）

• Incorrect wiring can damage LED modules.

• The wiring must be protected against short circuits to earth (sharp edged metals parts, metal cable clips, louver, etc.)

9. REVISION HISTORY

DATE	VER	REMARK
2023-11-25	V1.0	Initial release.