



Model	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Current	Output Voltage	No load Voltage
RC16W350-400	0.10A	18.5	5.25-14.7W	0.92	84%	350mA	15-42V	59V
	0.11A	21	6-16.8W	0.92	85%	400mA		
RC21W450-500	0.12A	23.5	6.75-18.9W	0.95	86%	450mA		
	0.13A	25.5	7.5-21W	0.95	87%	500mA		

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

1. Parameters

category	Item	Technical Norm
Features	Output Type	Constant Current
	Output Features	Isolation
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Frequency	50/60Hz
	Input Current	≤0.13A
	Input Power	≤25.5W
	Power Factor	≥0.9(230VAC, full load)
	THD	≤15%(230VAC, full load)
	No-load Power Consumption	≤0.5W
Output	Current Accuracy	±5%
	Max. Output Power	21W
	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
	Leakage current	< 250μA, I/P to O/P
Environment	Ta/Operation Temperature	-20....+60°C
	Ts/Storage Temperature	-30....+85°C
	Tc/Enclosure Temperature	90°C
	Humidity	10%....90%RH
	Atmospheric pressure	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Build-in
	PRI Wire preparation	0.5-1.5 [□]
	SEC Wire preparation	0.5-1.5 [□]
	Dimension	Φ49*22.5mm (R*H)
Standards	Certification	CE
	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/2KV
Others	RoHS	complied to 2011/65/EU
	Life Time	50000h @Ta/ Tc
	Warranty	5years , F.R. < 10000ppm
<p>Remark:</p> <p>1.All Parameters, if not specified, are measured at 230VAC/50Hz , At full load and 25°C ambient temperature.</p> <p>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.</p>		

2. Output Current Setting

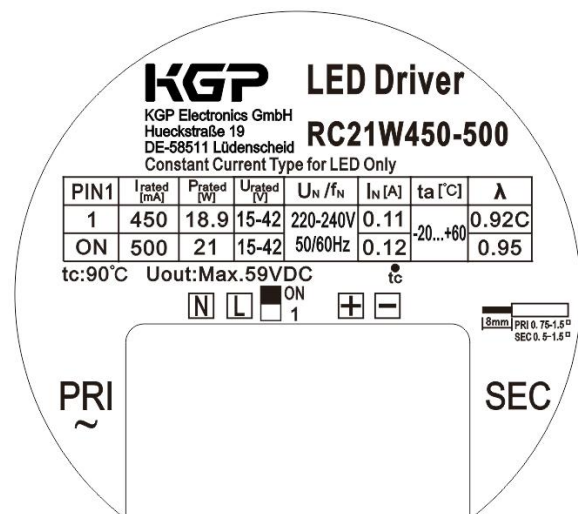
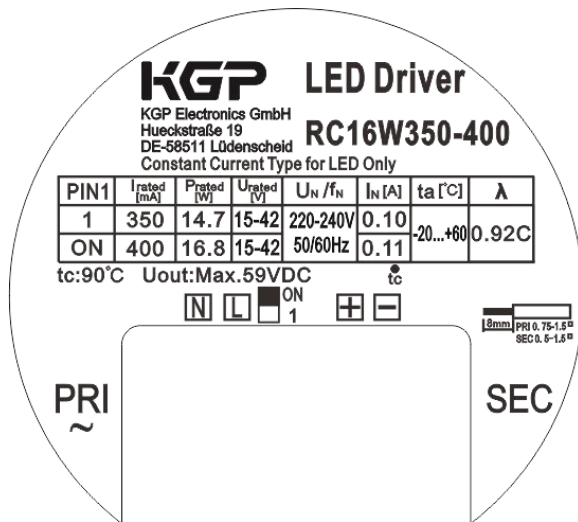
Output Current	Dial 1
500mA	ON
450mA	1

3. Connected quantities of different current Breaker

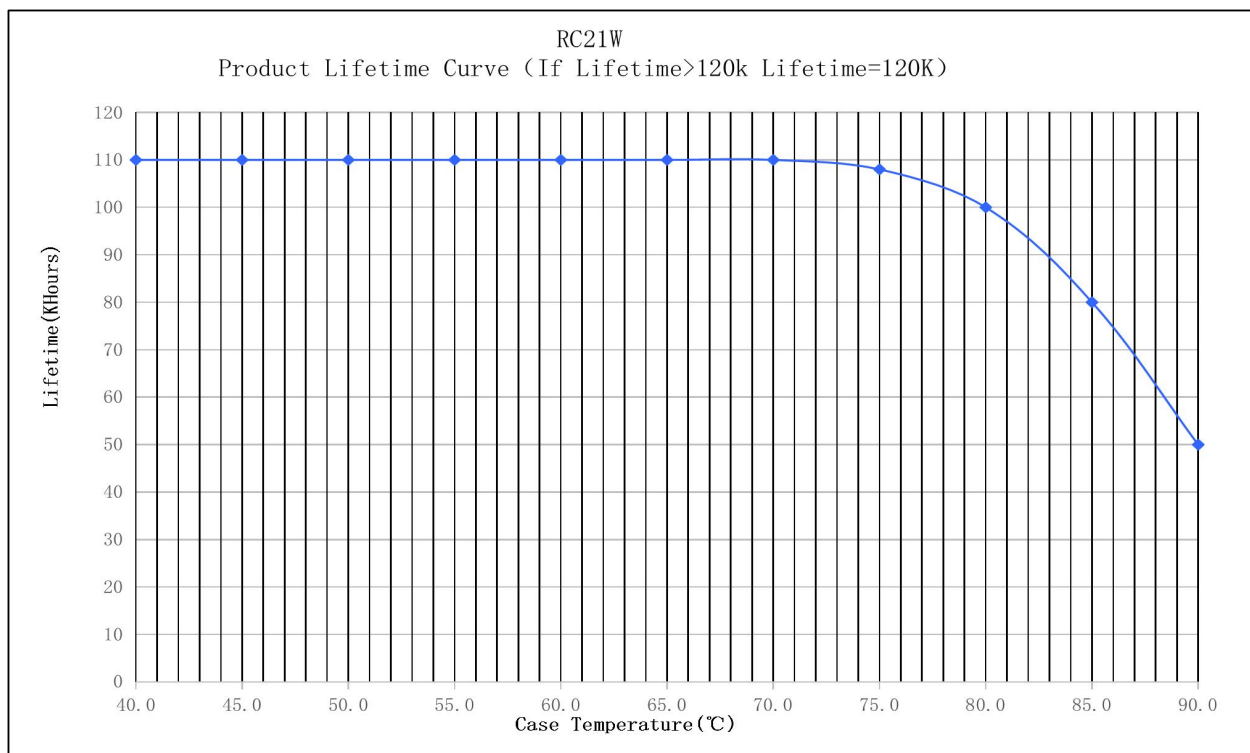
TYPE	RC16W350-400 Connected quantities of different current Breaker						Input Voltage	Inrush Current	Time
	current (A)	10	13	16	20	25			
	Installation wire diameter	1.5mm ²	2.5mm ²	2.5mm ²	4mm ²	4mm ²			
TYPE B	26	34	42	52	65	@230VAC	23	310us	
TYPE C	42	54	67	83	104				
TYPE D	67	87	107	134	167				

TYPE	RC21W450-500 Connected quantities of different current Breaker						Input Voltage	Inrush Current	Time
	current (A)	10	13	16	20	25			
	Installation wire diameter	1.5mm ²	2.5mm ²	2.5mm ²	4mm ²	4mm ²			
TYPE B	25	32	40	50	62	@230VAC	24.2	308us	
TYPE C	40	52	63	79	99				
TYPE D	63	83	102	127	159				

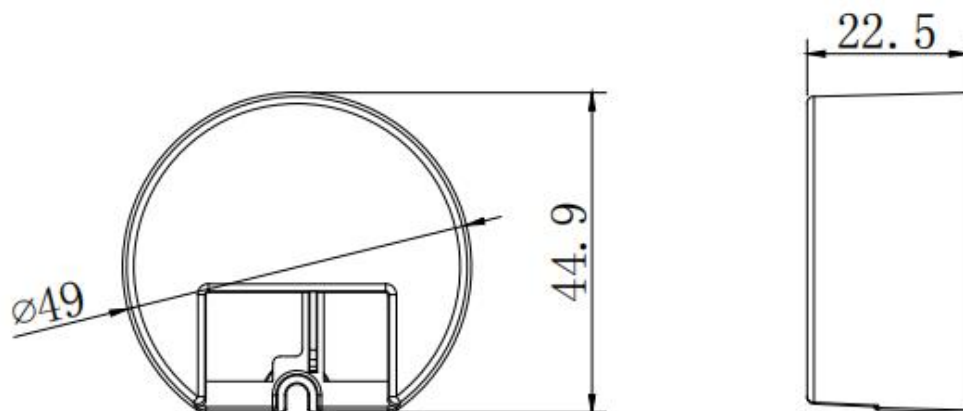
4. Label



5. Lifetime curve



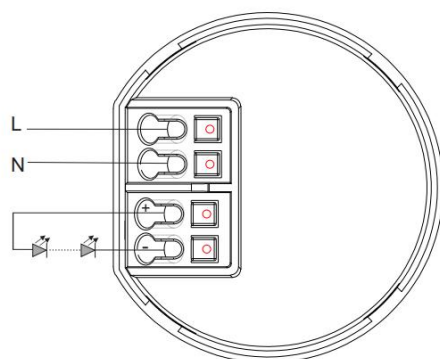
6. Dimension (Unit: mm)



7. Packing information

Carton L*W*H(mm)	Pcs/ Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight/ Carton(kg)
410*270*160	150	0.025	3.75	4.75

8. Wiring Diagram



9. 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.)

10. REVISION HISTORY

DATE	VER	REMARK
2023-06-03	V1.0	Initial release.