



Constant Current Dimmable Driver

Model:RC36WXXX Triac



Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage	No load Voltage
RC36W600 Triac	600mA	0.22A	45W	27-36W	0.92	87%	45-60V	75V
RC36W800 Triac	800mA	0.22A	45W	21.6-33.6W	0.92	87%	27-42V	55V
RC36W850 Triac	850mA	0.22A	45W	22.95-35.7W	0.92	87%	27-42V	55V
RC36W900 Triac	900mA	0.22A	45W	24.3-36W	0.92	87%	27-40V	55V
RC36W950 Triac	950mA	0.22A	45W	25.65-36.1W	0.92	87%	27-38V	50V
RC36W1050 Triac	1050mA	0.22A	45W	24.15-36.7W	0.92	87%	23-35V	50V

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

1. Parameters

category	Item	Technical Norm
Features	Output Type	Constant Current
	Dimming Type	Phase dimming
	Dimming Range	10%-100%
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC_stable
	Range of Input Voltage	198-264VAC_stable or 180-280VDC_stable
	Frequency	50/60Hz
	Input Current	≤0.22A
	Input Power	≤ 45W
	Power Factor	≥0.92 (230VAC,full load)
	THD	≤20% (230VAC,full load)
	No-load Power Consumption	≤0.5W @230VAC
Output	Current Accuracy	±5%
	Max. Output Power	36.75W
	Started Delay Time	≤0.5S (230VAC,full load)
	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
	Insulation voltage	I/P to O/P , 3KVac/1min
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	I/P to O/P < 250μA
Environment	Ta/Operation Temperature	-20....+60℃
	Ts/Storage Temperature	-40....+85℃
	Tc/Enclosure Temperature	90 ℃
	Humidity	10%....90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Direct Lead
	Installation	Build-in
	PRI Wire preparation	0.5-1.5□
	SEC Wire preparation	0.5-1.5□
	Dimension	Φ70X25mm (R*H)
Standards	Certification	TUV、CE、SAA
	Safety Standards	EN61347-1:2015,EN61347-2-13:2014/A1:2017, EN62493:2015,AS/NZS IEC61347.2.13:2018, AS/NZS61347.1:2016 Inc AI
	EMC Standards	EN IEC 55015:2019,EN IEC 55015:2019/A11:2019, EN IEC 61000-3-2:2019, EN 61000-3-3:2013/A1:2019,EN61547:2009
	Performance	EN62384
	Surge	L-N/ 2KV
Others	RoHS	complied to 2011/65/EU
	Life Time	50000h @ (Ta) / (Tc)
	Warranty	5years , F.R. < 10000ppm
	Noise	15cm <28dB

Remark:

1. All Parameters, if not specified, are measured at 230VAC/50Hz 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. Trailing Edge Dimmer list approved by KGP

Manufacturer	Model	Q'ty of parallel connection
ABB	6519 U	12
ABB	6526 U	13
JUNG	1224 LED UDE	11
Berker	2861	12
JUNG	254 UDIE 1	13
JUNG	225 TDE	13
EGANT	U321V2	12
Schneider	SBD200LED	13
Schneider	SBD315RC	12
Merten	SBD200LED	13
Berker	2874	12

Leading Edge Dimmer list only on request -/ or confirmed by KGP Electronics

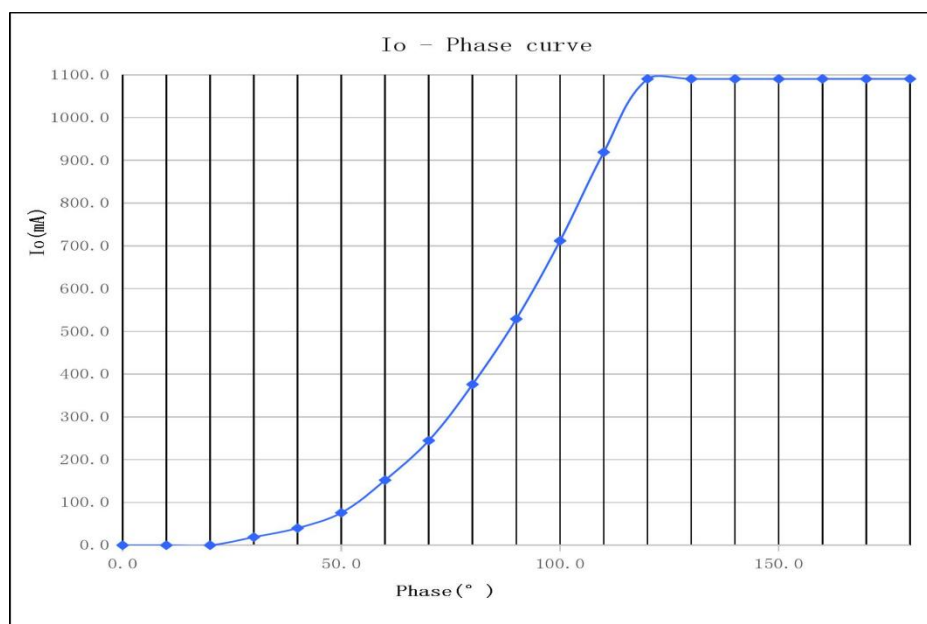
3. Label (For example)



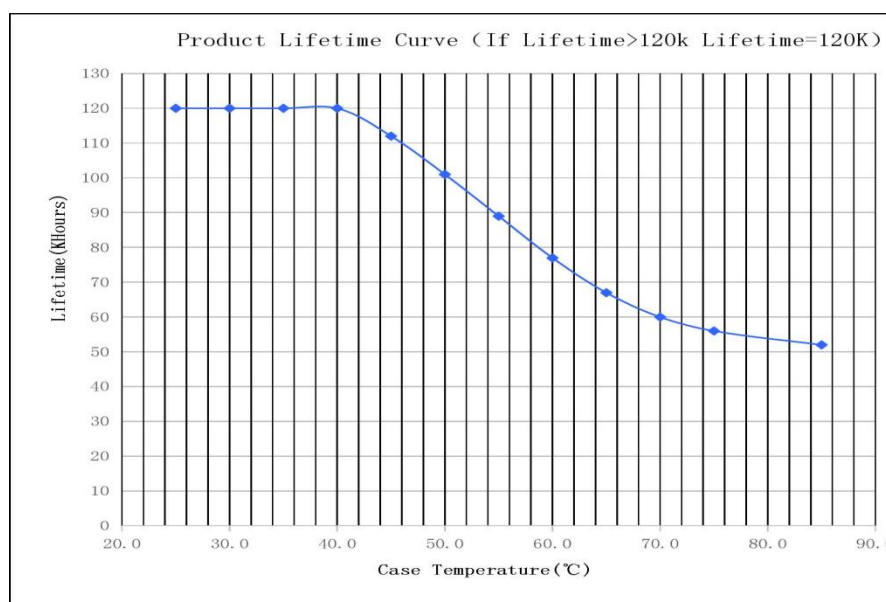
4. Connected quantities of different current Breaker

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	20	26	32	40	50		@230VAC	30	500us
TYPE C	32	42	51	64	80				
TYPE D	51	67	82	102	128				

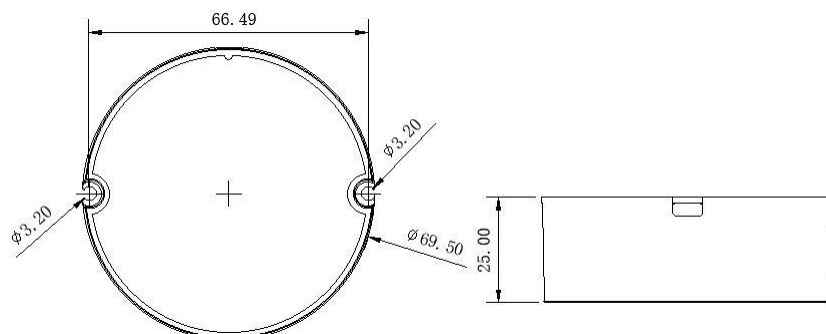
5. Dimming curve



6. Lifetime curve



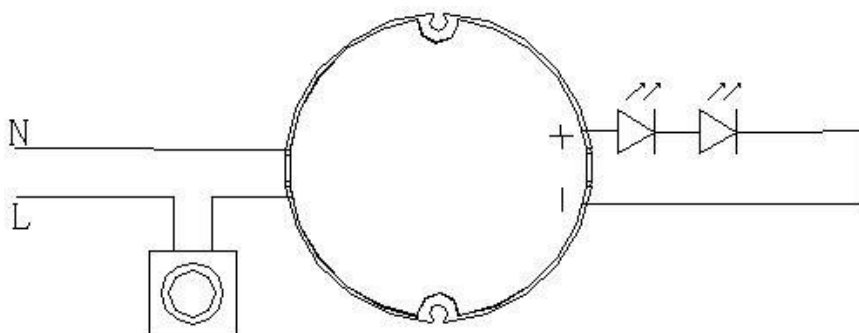
7. Dimension (Unit: mm)



8. Packing information

Carton Size(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
450*240*200	120	0.149	17.88	18.66

9. Wiring Diagram



10. 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.)