



RCXXWXXX Triac



Constant Current Dimmable Driver

Model:RCXXWXXX Triac



Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage	No load Voltage
RC10W250 Triac	250mA	0.1A	14W	6.75-10W	0.92	83%	27-40V	55V
RC10W300 Triac	300mA	0.1A	14W	5.7-9W	0.92	83%	19-30V	45V
RC10W350 Triac	350mA	0.1A	14W	6.65-9.8W	0.92	83%	19-28V	40V
RC10W500 Triac	500mA	0.1A	14W	6.5-10W	0.92	83%	13-20V	35V
RC12W300 Triac	300mA	0.12A	18W	9-12W	0.92	83%	30-40V	55V
RC13W350 Triac	350mA	0.12A	18W	10.5-13.3W	0.92	83%	30-38V	50V
RC15W300 Triac	300mA	0.12A	19W	10.8-15W	0.92	83%	36-50V	65V
RC15W350 Triac	350mA	0.12A	19W	9.45-14.7W	0.92	83%	27-42V	55V
RC15W400 Triac	400mA	0.12A	19W	10.8-15.6W	0.92	83%	27-39V	55V
RC15W500 Triac	500mA	0.12A	19W	9.5-15W	0.92	83%	19-30V	45V
RC15W600 Triac	600mA	0.12A	19W	7.8-12.6W	0.92	83%	13-21V	35V
RC15W700 Triac	700mA	0.12A	19W	9.1-14.7W	0.92	83%	13-21V	35V

* 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	≤0.12A
	Input Power	≤ 19W
	Power Factor	≥0.92 (230VAC,full load)

	No-load Power Consumption	≤1W @230VAC
	Inrush Current	≤10A/400us (230VAC,full load)
	Connected quantity of 16A Breaker	60pcs/type B ; 96pcs/type C
Output	Current Accuracy	±5%
	Max. Output Power	15W
	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	Φ50X21mm (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:

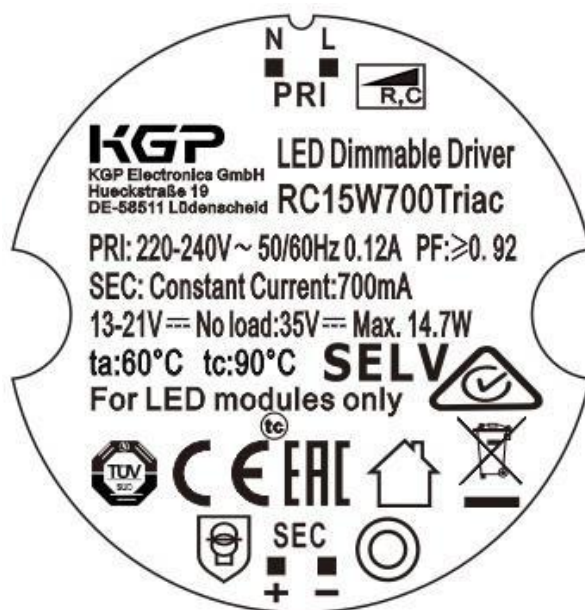
1. All Parameters, if not specified, are measured at 230VAC/50Hz and 25℃ ambient temperature.
2. LED Driver is a component of the luminaires. Luminaires and wire layout will affect the EMC, please check the EMC with end products again.

2. Trailing Edge Dimmer list approved by KGP

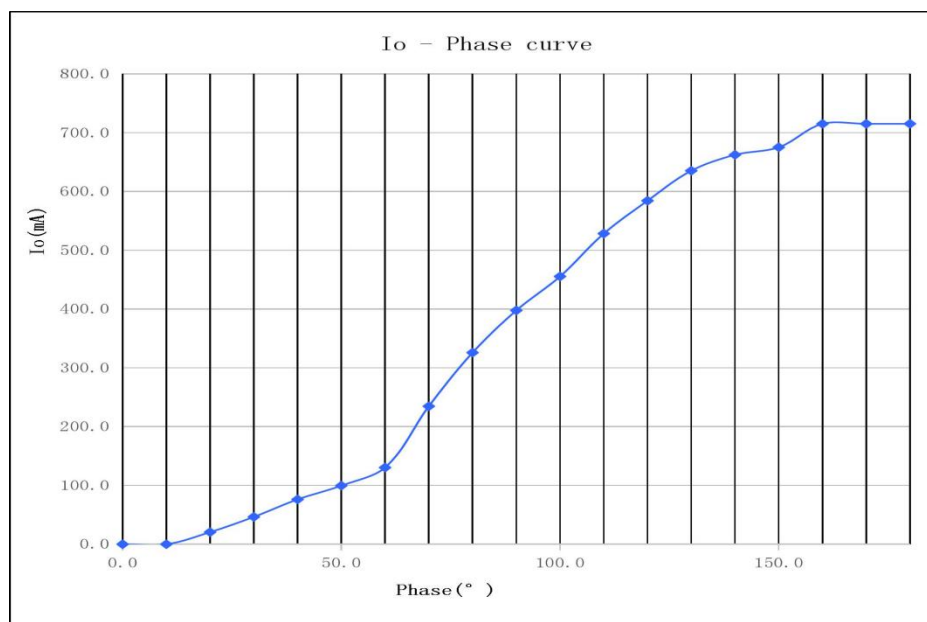
Manufacturer	Model	Q'ty of parallel connection
ABB	6519 U	15
ABB	6526 U	13
JUNG	1224 LED UDE	14
Berker	2861	10
JUNG	254 UDIE 1	10
JUNG	225 TDE	14
EGANT	U321V2	15
Schneider	SBD200LED	13
Schneider	SBD315RC	14
Merten	SBD200LED	13
Berker	2874	12

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

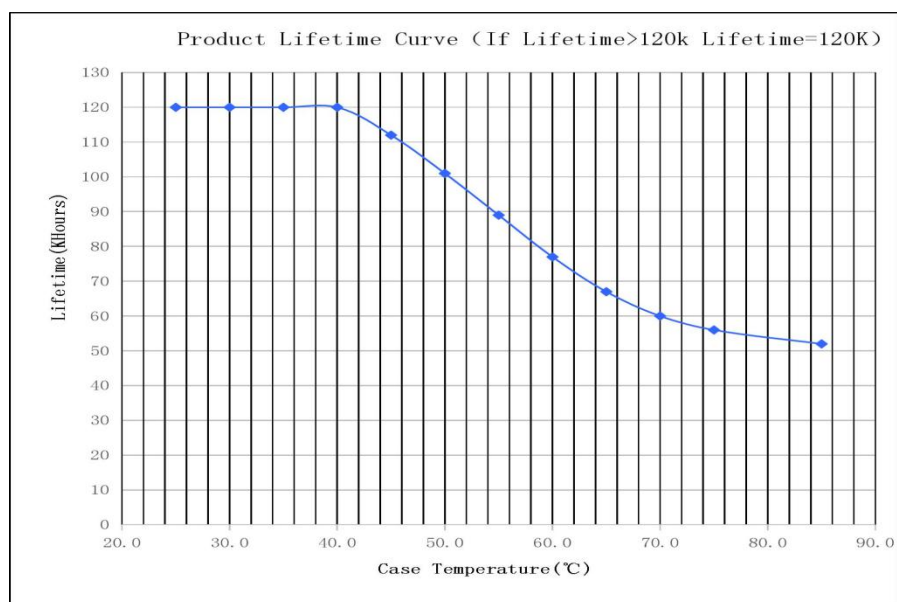
3. Label (For example)



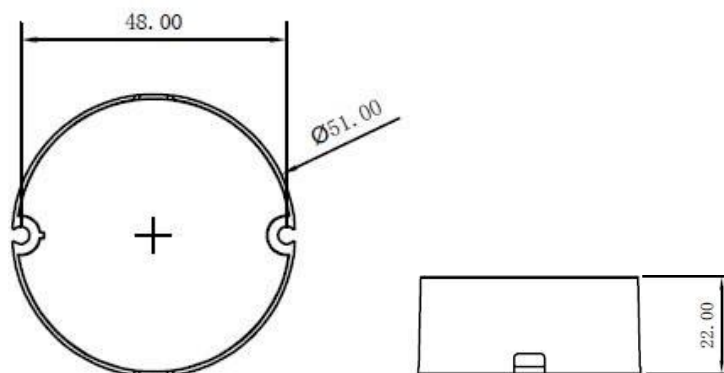
4. Dimming curve



5. Lifetime curve



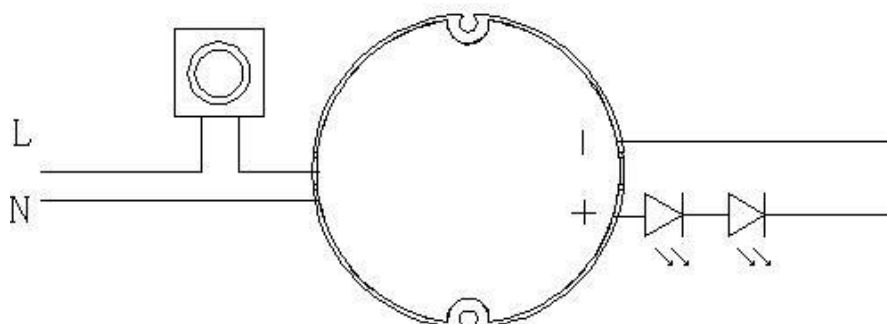
6. Dimension (Unit: mm)



7. Packing information

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
450*240*200	230	0.07	16.1	16.8

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.)