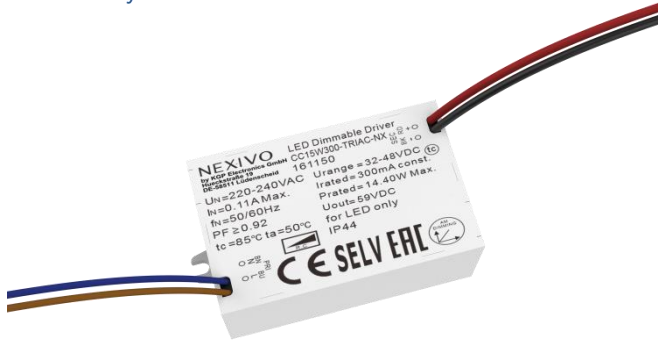




CC15WXXX-TRIAC-NX

Constant Current Dimmable Driver

Model: CC15WXXX-TRIAC-NX



Model	Item Code	Output current	Output power range	PF	Efficiency	Output voltage	No load voltage
CC15W300-TRIAC-NX	161150	300mA	9.60-14.40W	0.92	83.0%	32-48V	≤59V
CC15W350-TRIAC-NX	161160	350mA	9.45-14.70W	0.92	83.0%	27-42V	≤59V
CC15W400-TRIAC-NX	161170	400mA	10.80-14.80W	0.92	83.0%	27-37V	≤52V
CC15W500-TRIAC-NX	161180	500mA	9.50-15.00W	0.92	80.5%	19-30V	≤45V
CC15W550-TRIAC-NX	161190	550mA	10.50-15.40W	0.92	78.5%	19-28V	≤45V
CC15W600-TRIAC-NX	161200	600mA	7.80-12.60W	0.92	76.0%	13-21V	≤35V
CC15W700-TRIAC-NX	161210	700mA	9.10-14.70W	0.92	78.5%	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	5%-100%
	IP Grade	IP44
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	220-240VAC or 180-280VDC (Without dimmer)
	Frequency	0/50/60Hz
	Input Current	≤0.11A (230VAC, fullload)
	Input Power	≤20.0W (230VAC, fullload)
	Power Factor	≥0.92 (230VAC, fullload)
	THD	≤ 25% (230VAC,fullload)
	No-load Power Consumption	≤0.5W @230VAC
Output	Inrush Current	≤8A/ 400us (230VAC,Full-load)
	Output Voltage	32-48VDC@ 300mA,27-42VDC@ 350mA, 27-37VDC@ 450mA,19-30VDC@ 500mA, 19-28VDC@ 550mA,13-21VDC@ 600mA, 13-21VDC@ 700mA
	Current Accuracy	±5%@350-700mA, ±10%@250mA

	Max. Output Power	15.4W
	Started Delay Time	≤1s (230VAC, full load)
	Efficiency	≥76% (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 , 3.75KVac/5mA/1min
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	I/P to O/P < 0.7mA
Environment	Ta/Operation Temperature	-20 ... +50℃
	Ts/Storage Temperature	-25 ... +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	0.3-1.5□
	Dimension	68.2X36.1X23mm (L*W*H)
Standards	Certification	CE
	Safety Standards	EN 61347-1:2015/A1:2021 EN 61347-2-13:2014/A1:2017 EN IEC 62384:2020 AS61347.2.13:2018 AS/NZS61347.1:2016 Inc A1
	EMC Standards	EN IEC 55015:2019 EN IEC 55015:2019/A11:2020 EN IEC 61000-3-2:2019/A1:2021 EN 61000-3-3:2013/A2:2021 EN IEC 61547:2023
	Performance	EN62384: 2020
	Surge	L-N/ 1KV
Others	RoHS	Complied to 2011/65/EU
	Life Time	50000h @Ta/Tc max
	Warranty	5years , F.R. <10%
	Noise	≤ 28dB@Background noise ≤18dB,Interval≥15cm
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. 3. It is recommended that the control mode is back dimming for better effect. 4. Do not install upside down.		

2. Trailing Edge Dimmer list approved by KGP

Manufacturer	Model	Q'ty of parallel connection
Yikai	EU-200P	T.B.D
Berker	286710	T.B.D
Schneider	SBD200LED	T.B.D
Schneider	SBD315RC	T.B.D
Eltako	DTD55L-230V-wg	T.B.D
ETMAN	ETM321PV2	T.B.D
EUCHIPS	Walldin 106	T.B.D
JISIM	JP1101	T.B.D

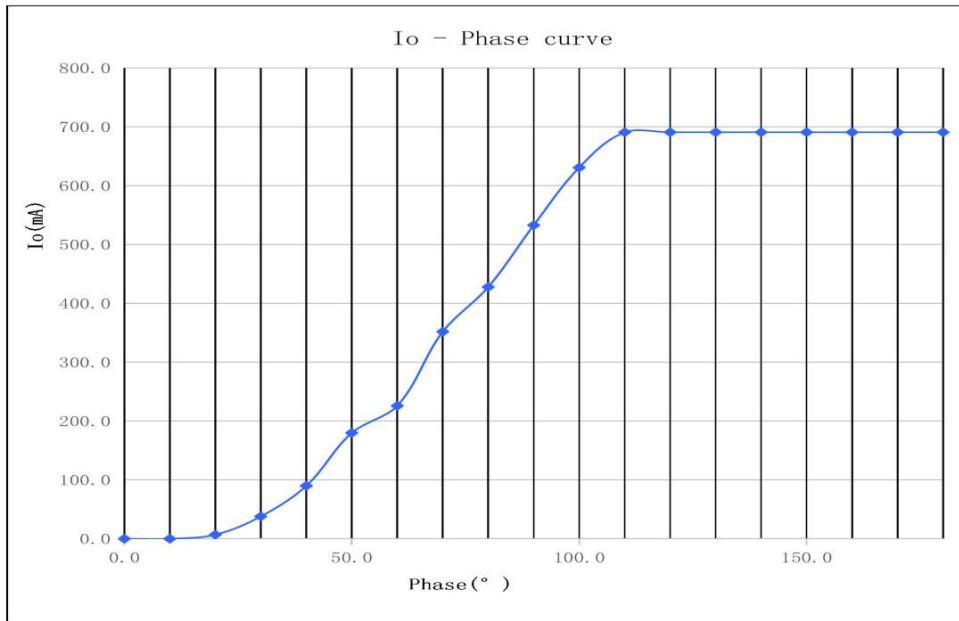
3. Connected quantities of different current Breaker

TYPE	Connected quantities of different current Breaker						Input Voltage (V)	Inrush Current(A)	Time (μs)
	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		75	98	120	150	188	@230VAC	8	40
TYPE C		120	156	192	240	300			
TYPE D		192	250	307	384	480			

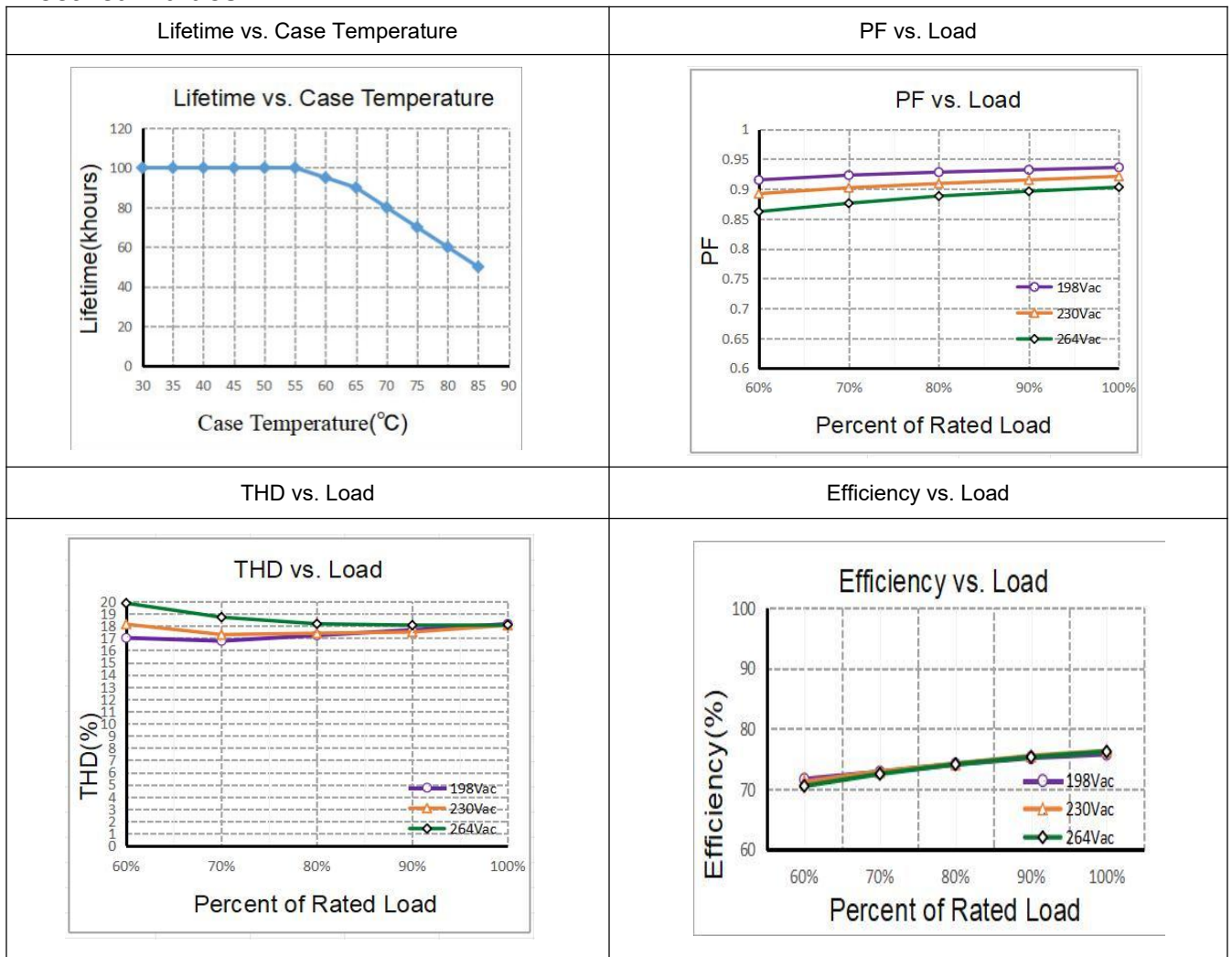
4. Label (For example)



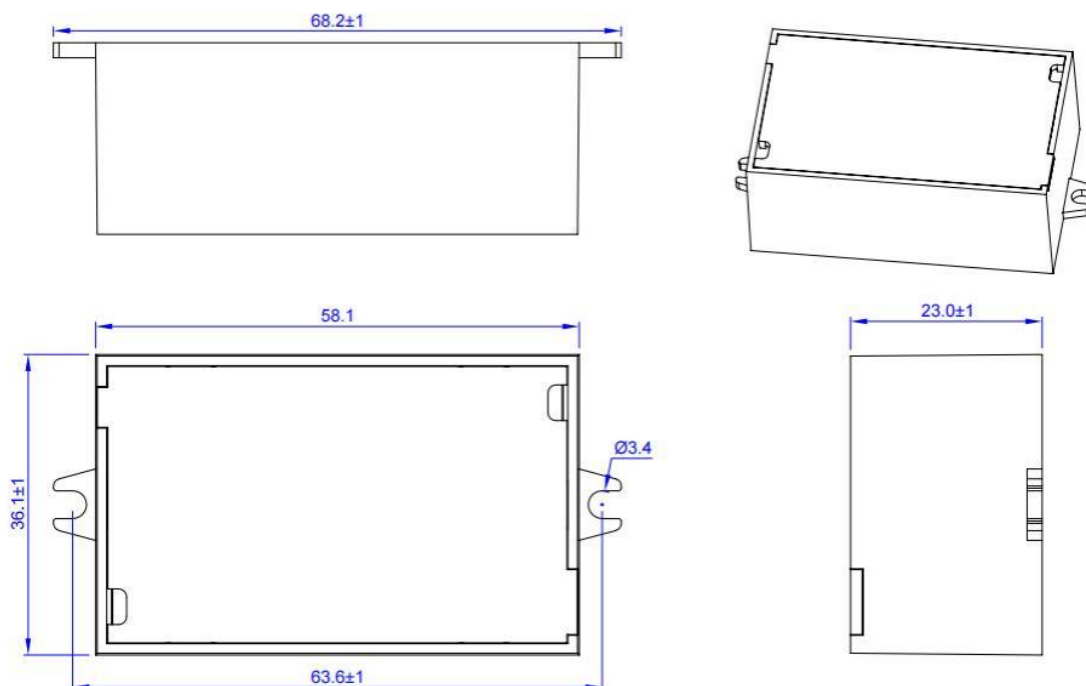
5. Dimming curve



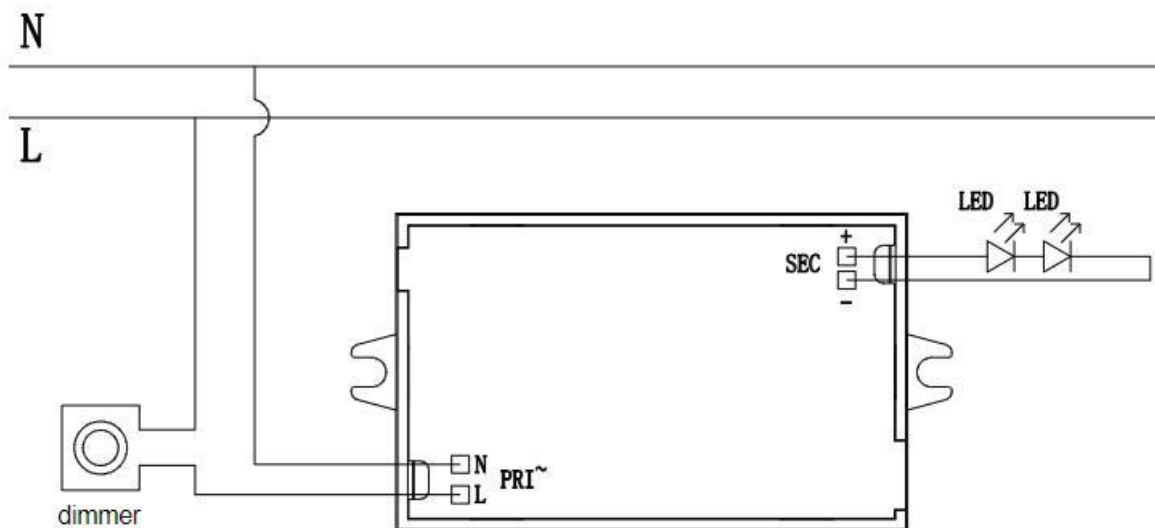
6. Electrical values



7. Dimension



8. Wiring Diagram



Wiring type and cross section

Input: Brown-blue wire, 180mm, 0.5mm²

Output: Red-black wire, 180mm, 0.3mm²

9. Packing information

Packing way	Model	Carton L*W*H(mm)	Pcs/ Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
Industrial	CC15WXXX-TRIAC-NX	420*280*180	180	0.085	15.30	15.95

10. Ordering data

Model No	Item code
CC15W300-TRIAC-NX	161150
CC15W350-TRIAC-NX	161160
CC15W400-TRIAC-NX	161170
CC15W500-TRIAC-NX	161180
CC15W550-TRIAC-NX	161190
CC15W600-TRIAC-NX	161200

11. 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 0.5 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.)
- Hot plug-in is not supported due to residual output voltage of > 0 V up to mains voltage. Danger to life.
- When connecting an LED load, restart the device to activate the LED output.

12. Revision history

Date	Revision	Remark
2026.16.03	V0.01	Product release