

Model	Item Code	Output current	Output power range	PF	Efficiency	Output voltage	No load voltage
SC42W300-1050CG4-W-NX SC42W300-1050CG4-B-NX SC42W300-1050CG4-G-NX	156430 156440 156450	300mA	3.00-12.60W	0.86	85%	10-42V	59V
		350mA	3.50-14.70W	0.87	86%	10-42V	59V
		400mA	4.00-16.80W	0.88	86%	10-42V	59V
		450mA	4.50-18.90W	0.89	87%	10-42V	59V
		500mA	5.00-21.00W	0.90	87%	10-42V	59V
		550mA	5.50-23.10W	0.91	88%	10-42V	59V
		600mA	6.00-25.20W	0.92	89%	10-42V	59V
		650mA	6.50-27.30W	0.93	90%	10-42V	59V
		700mA	7.00-29.40W	0.94	91%	10-42V	59V
		750mA	7.50-31.50W	0.94	91%	10-42V	59V
		800mA	8.00-33.60W	0.95	91%	10-42V	59V
		850mA	8.50-34.00W	0.95	91%	10-40V	59V
		900mA	9.00-36.00W	0.96	91%	10-40V	59V
		950mA	9.50-38.00W	0.96	92%	10-40V	59V
		1000mA	10.00-40.00W	0.97	92%	10-40V	59V
		1050mA	10.50-42.00W	0.97	92%	10-40V	59V

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

1. Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Current
	Output Feature	Isolation
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC or 198-280VDC
	Frequency	50/60Hz
	Input Current	≤0.25A (230VAC , fullload)

	Input Power	≤47.2W (230VAC , full load)
	Power Factor	≥0.97 (230VAC, full load)
	THD	≤30% @300mA-350mA (230VAC,full load) ≤20% @400mA-500mA (230VAC,full load) ≤15% @550mA-1050mA (230VAC,full load)
	No-load Power Consumption	≤0.3W @230VAC
Output	Output Voltage Range	10-42VDC@300-800mA 10-40VDC@850-1050mA
	No Load Voltage	59VDC Max.
	Output Current	300mA -1050mA (Max. output)
	Max. Output Power	42W
	Efficiency	≥91.7% (230VAC , full load)
	Current Ripple	±5% (Imax-Imin)/(Imax+Imin)
	Current Accuracy	±8% @300mA-350mA ±5% @400mA-1050mA
	Started Delay Time	≤0.5S (230VAC , full load)
	PstLM	≤1
	SVM	≤0.4
Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery
	No-load Protection	Auto Recovery
	Insulation voltage	3000V 5mA 60S between P-S
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	I/P to O/P <0.7mA
Environment	Ta/Operation Temperature	-20 +35℃
	Ts/Storage Temperature	-25 +85℃
	Tc/Enclosure Temperature	70℃
	Humidity	10%....90%RH
	Atmospheric pressure	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Independent
	SEC Wire preparation	0.5-1.5mm²
	Dimension	158 x 31 x 45mm (L*W*H
Standards	Certification	CE/ENEC
	Safety Standards	EN61347-1:2015,EN61347-2-13:2014/A1:2017, EN62384:2006/A1:2009,AS61347.2.13:2018, AS/NZS 61347.1:2016 Inc A1
	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
	RoHS	Complied to 2011/65/EU
Others	Life Time	50000h @Ta/ Tc max

	Warranty	5years , F.R. <10%
	Noise	≤ 24dB @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.		

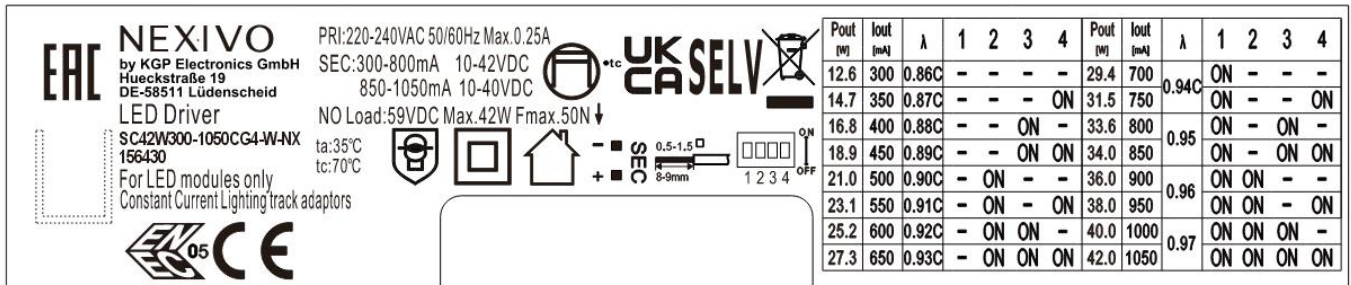
2. Output Current Setting

Output Current	1	2	3	4
300mA	-	-	-	-
350mA	-	-	-	ON
400mA	-	-	ON	-
450mA	-	-	ON	ON
500mA	-	ON	-	-
550mA	-	ON	-	ON
600mA	-	ON	ON	-
650mA	-	ON	ON	ON
700mA	ON	-	-	-
750mA	ON	-	-	ON
800mA	ON	-	ON	-
850mA	ON	-	ON	ON
900mA	ON	ON	-	-
950mA	ON	ON	-	ON
1000mA	ON	ON	ON	-
1050mA	ON	ON	ON	ON

3. Connected quantities of different current Breaker

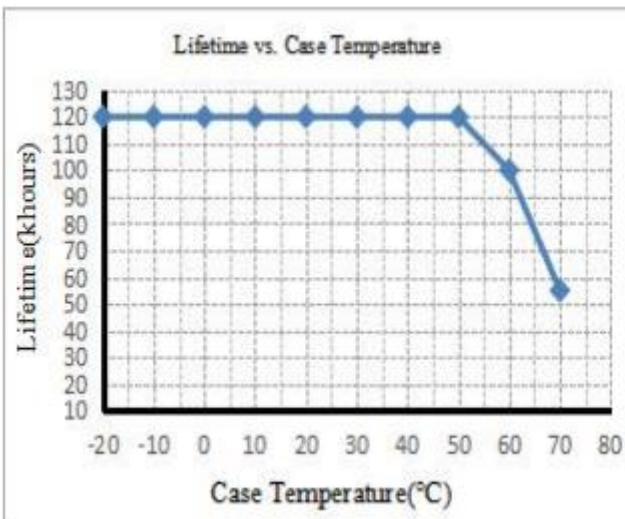
Type	Connected quantities of different current Breaker						Input Voltage	Inrush Current (A)	Time (us)
	current(A)	10	13	16	20	25			
	Installation wire diametre	1.5mm ²	2.5mm ²	2.5mm ²	4.0mm ²	4.0mm ²			
TYPE B		30	39	48	60	75	@230VAC	20	50
TYPE C		48	62	77	96	120			
TYPE D		77	100	123	154	192			

4. Label

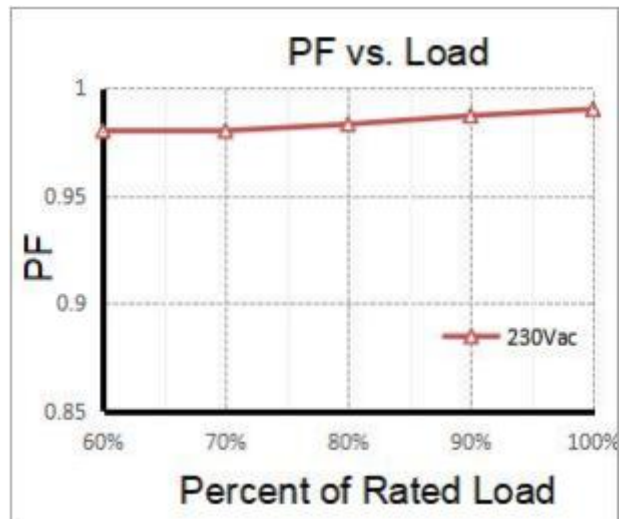


5. Electrical values

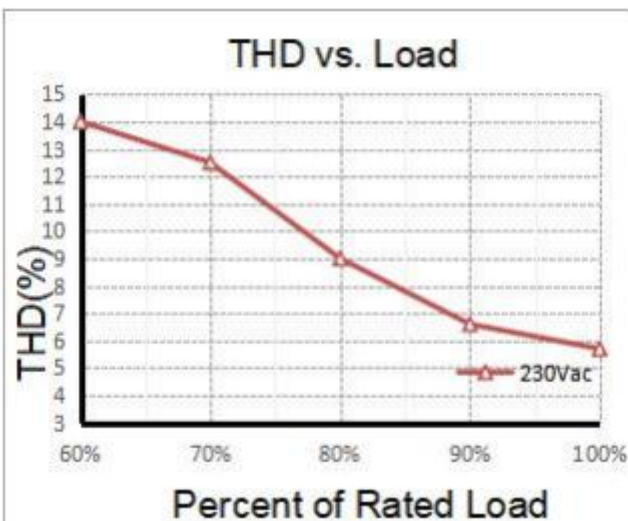
Lifetime vs. Case Temperature



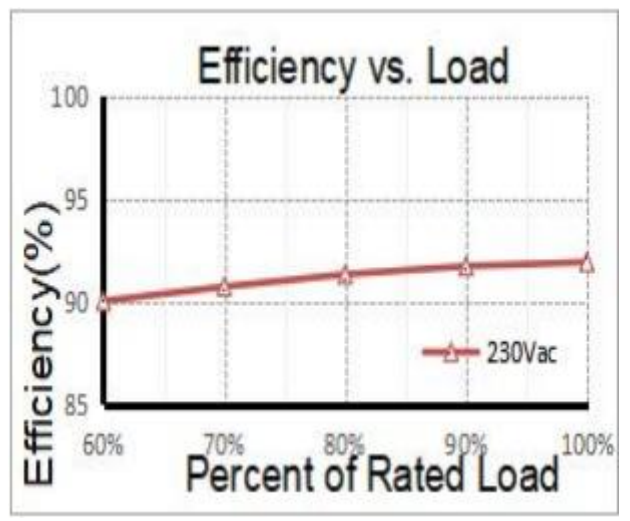
PF vs. Load



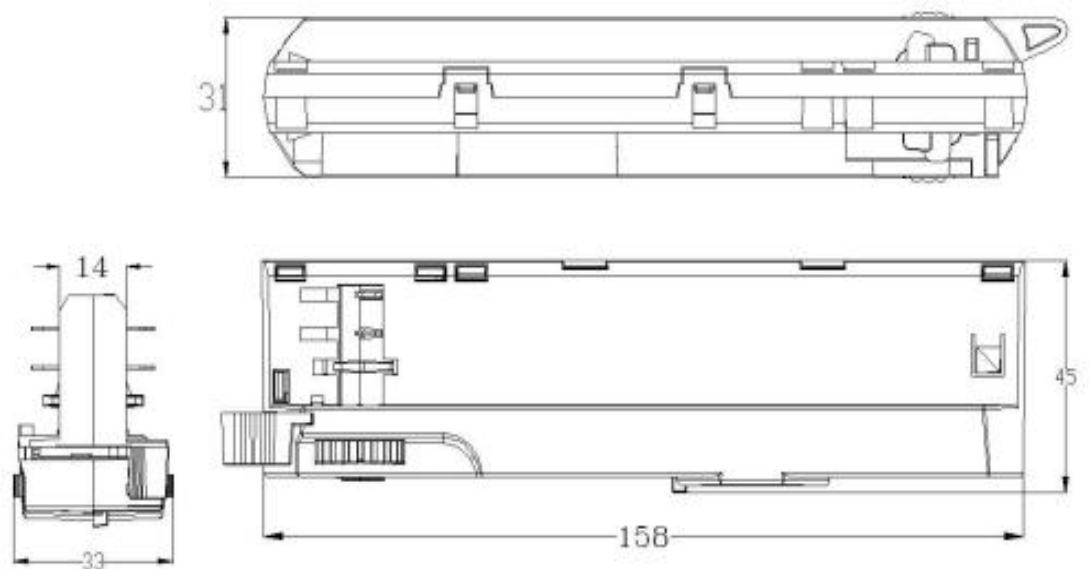
THD vs. Load



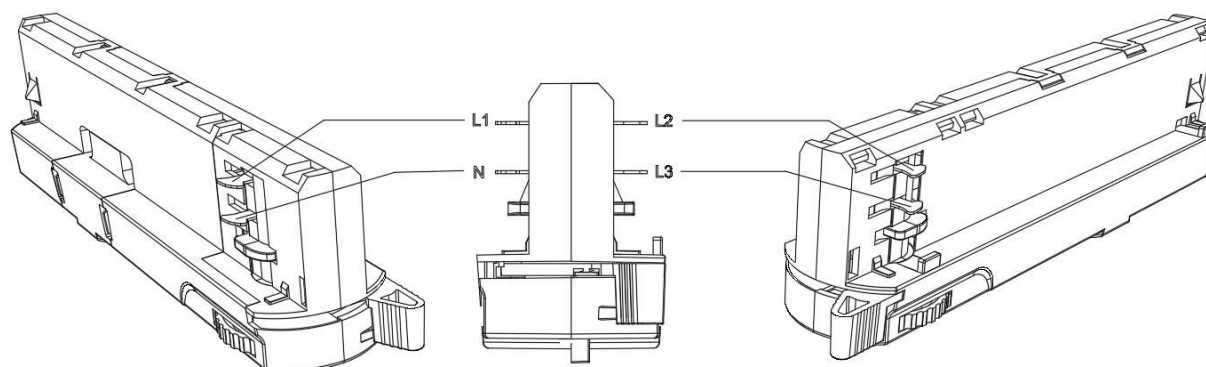
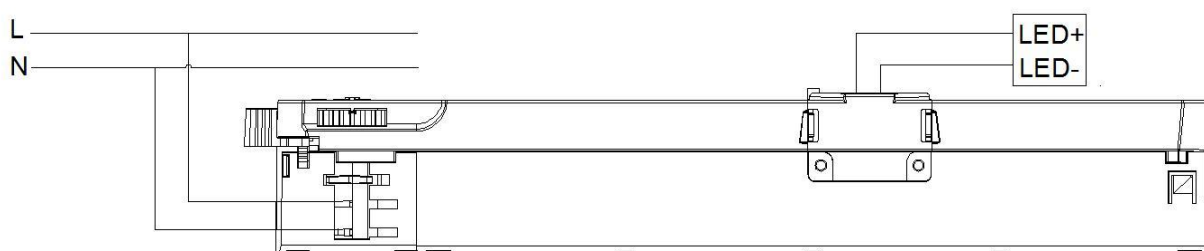
Efficiency vs. Load



6. Dimension



7. Wiring Diagram



8. Packing information

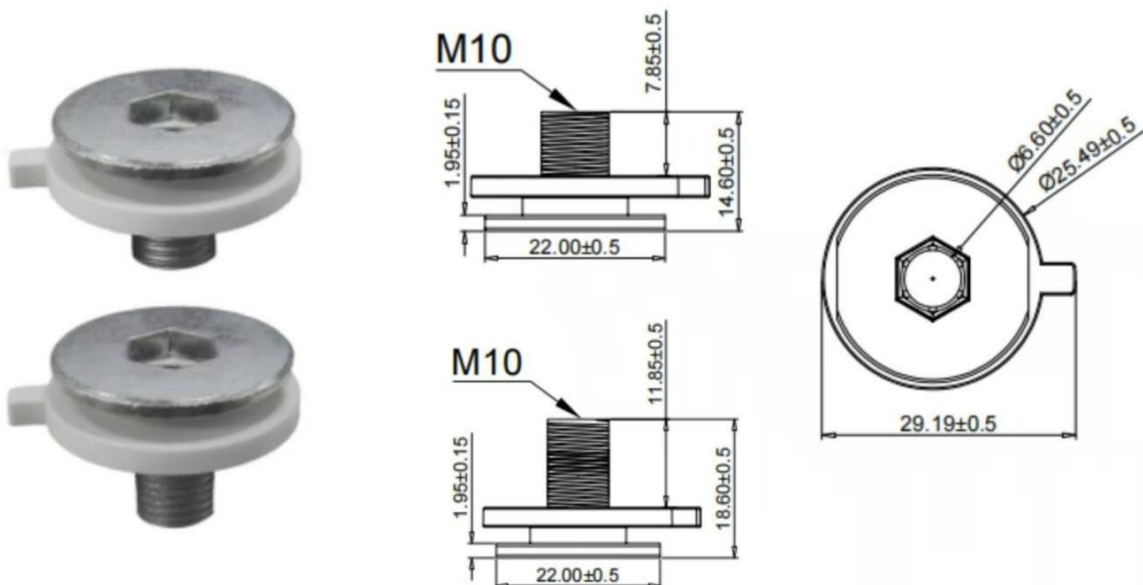
Packing way	Model	Color	Carton L*W*H(mm)	Pcs/ Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
Industrial	SC42W300-1050CG4-W-NX	White	515*274*370	150	0.125	18.75	20.07
	SC42W300-1050CG4-B-NX	Black					
	SC42W300-1050CG4-G-NX	Grey					

9. Ordering data

Model No	Item code
SC42W300-1050CG4-W-NX	156430
SC42W300-1050CG4-B-NX	156440
SC42W300-1050CG4-G-NX	156450
NIP M10x1x8 B G2	142261
NIP M10x1x8 G G2	142271
NIP M10x1x8 W G2	142281
NIP M10x1x12 B G2	142211
NIP M10x1x12 G G2	142221
NIP M10x1x12 W G2	142231

10. Lamp Screw Type

- Optional threaded sleeve for luminaire mounting
- Suitable for M10x1x8 threaded nut
- Additional mounting equipment, e.g. M10x1x12
- aluminium, black, white
- further on request



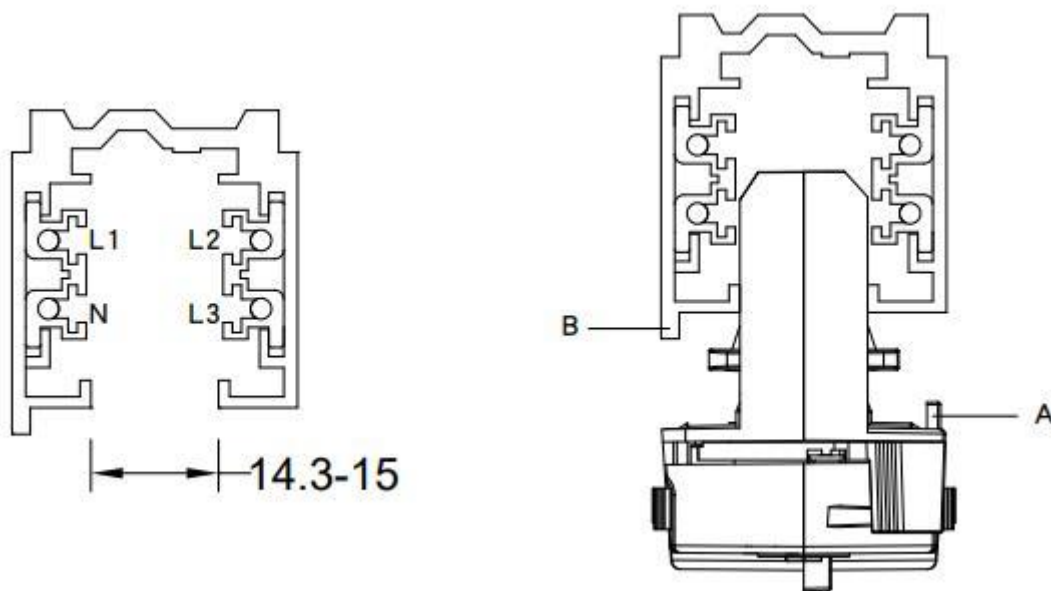
11. Suitable for following tracks

Serial number	Brand	Track model	System
1	Global	XTS11 & XTSC611	3P
2	A.A.G STUCCHI	9000A-2-ST	3P
3	Eutrac	25-106	3P
4	PowerGEAR	Pro-0431L	3P
5	ERCO	1079301000	3P

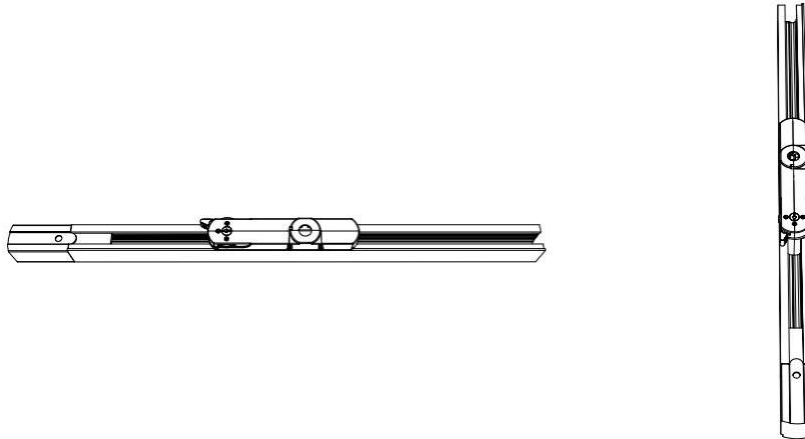
Remark:

1. The model name is XTS11 and XTSC611 tracks, and its brand is Global.
2. The model name used is the 9000A-2-ST track, and its brand is A.A.G STUCCHI.
3. The model name is 25-106 tracks, and its brand is Eutrac.
4. The model name is Pro-0431L tracks, and its brand is PowerGEAR.
5. The model name is 1079301000 tracks, and its brand is ERCO.
6. If other brands are suitable, please communicate and consult first

12. Phase track light rail specification:



13. Lighting track adapter and rail system installation diagram:



The adaptor shall be given that the use is limited to the track system specified.

14. 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.)
- 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.
- This can be done via mains reset or via interface (DALI, DSI, switch DIM).

15. Replace LED module

- Mains off
- Remove LED module
- Wait for 30 seconds
- Connect LED module again
- Hot plug-in or secondary switching of LEDs is not permitted and may cause a very high current to the LEDs

16. Revision history

Date	Revision	Remark
2026.16.03	V0.01	Product release