



Constant Current Driver

Model: SC30W200-700CG-4



Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage	No load Voltage
SC30W200-700CG-4	200mA	0.11A	10.5W	2.00-8.40W	0.65	80%	10-42V	59V
	250mA	0.12A	12.8W	2.50-10.50W	0.72	82%	10-42V	59V
	300mA	0.13A	15.3W	3.00-12.60W	0.78	82%	10-42V	59V
	350mA	0.14A	17.7W	3.50-14.70W	0.82	83%	10-42V	59V
	400mA	0.15A	20W	4.00-16..80W	0.85	84%	10-42V	59V
	450mA	0.16A	22.5W	4.50-18.90W	0.88	84%	10-42V	59V
	500mA	0.17A	25W	5.00-21.00W	0.9	84%	10-42V	59V
	550mA	0.18A	27.5W	5.50-23.10W	0.92	84%	10-42V	59V
	600mA	0.19A	29.6W	6.00-25.20W	0.92	85%	10-42V	59V
	650mA	0.20A	32.1W	6.50-27.30W	0.92	85%	10-42V	59V
	700mA	0.21A	34.4W	7.00-29.40W	0.92	85.5%	10-42V	59V

* 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	176-264VAC or 176-280VDC
	Frequency	50/60Hz
	Input Current	≤0.21A (230VAC, full load)
	Input Power	≤34.4W (230VAC, full load)
	Power Factor	≥0.92 (230VAC, full load)
	THD	≤20% (230VAC, full load)
	No-load Power Consumption	≤0.5W @230VAC
	Inrush Current	≤18A/2.8us (230VAC, full load)
	Connected quantity of 10A Breaker	11pcs/type A ;17pcs/type B;28pcs/type C @ 230Vac
	Connected quantity of 16A Breaker	18pcs/typeA;27pcs/typeB;44pcs / type C @ 230Vac
	Connected quantity of 20A Breake	22pcs/typeA;33pcs/typeB;55pcs / type C @ 230Vac
	No Load Voltage	59VDC Max.
	Output Current	200mA -700mA (Max. output)

	Max. Output Power	29.4W
	Efficiency	≥85.5% (230VAC, full load)
	Current Ripple	±5% (Imax-Imin)/(Imax+Imin)
	Current Accuracy	±5%
	Started Delay Time	≤0.5S (230VAC, full load)
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	< 250μA, I/P to O/P or I/P to PE @230V input
Environment	Ta/Operation Temperature	-20....+35℃
	Ts/Storage Temperature	-40....+85℃
	Tc/Enclosure Temperature	85℃
	Humidity	10%....90%RH
	Atmospheric pressure	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Independent
	PRI Wire preparation	0.5-1.5 [□]
	SEC Wire preparation	0.5-1.5 [□]
	Dimension	158 x 31 x 45mm (L*W*H)
Standards	Certification	complied to CE
	Safety Standards	EN61347-1:2015,EN61347-2-13:2014/A1:2017
	EMC Standards	EN55015:2013/A1:2015,EN61000-3-2:2014, EN61000-3-3:2013,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

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
200mA	-	-	-	-
250mA	-	-	-	ON
300mA	-	-	ON	-
350mA	-	-	ON	ON
400mA	-	ON	-	-
450mA	-	ON	-	ON
500mA	-	ON	ON	-
550mA	-	ON	ON	ON
600mA	ON	-	-	-
650mA	ON	-	-	ON
700mA	ON	-	ON	-

3. Label

KGP
KGP Electronics GmbH
Hueckstraße 19
DE-58511 Lüdenscheld

LED Driver
SC30W200-700CG-4
Constant Current Lighting track adaptors

PRI:220-240VAC 50/60Hz Max.0.21A
SEC:200-700mA 10-42VDC
No Load:59VDC Max.29.4W
For LED modules only

SELV

Tc:85°C
Ta:35°C

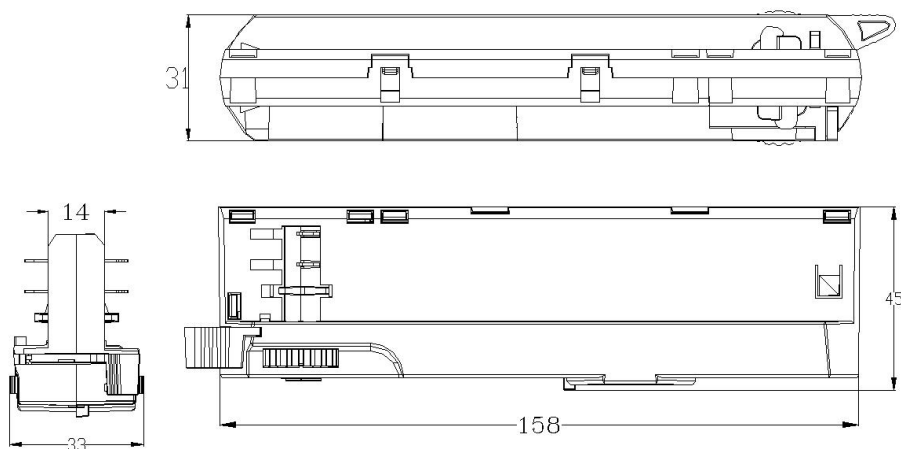
tc

1 2 3 4 OFF

0.5-1.5mm
8-9mm

Pout [W]	Iout [A]	Im [A]	λ	1	2	3	4
10.5	200	0.11	0.85C	-	-	-	-
12.8	250	0.12	0.72C	ON	-	-	-
15.3	300	0.13	0.78C	-	ON	-	-
17.7	350	0.14	0.82C	ON	ON	-	-
20	400	0.15	0.85C	-	-	ON	-
22.5	450	0.16	0.88C	ON	-	ON	-
25	500	0.17	0.90C	-	ON	ON	-
27.5	550	0.18	0.92C	ON	ON	ON	-
29.6	600	0.19		-	-	-	ON
32.1	650	0.20		ON	-	-	ON
34.4	700	0.21		-	ON	-	ON

4. Dimension



5. Packing information

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
515*274*370	T.H.D	T.H.D	T.H.D	T.H.D

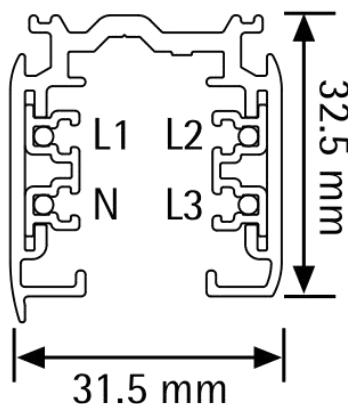
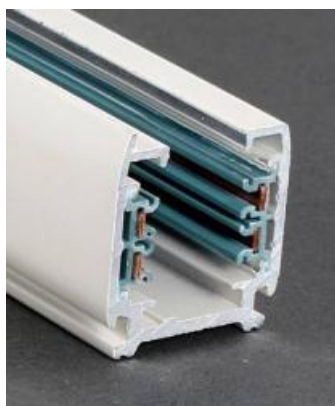
6. Suitable for following tracks

Serial number	Brand	Track model	System
1	Global	XTS 4 & XTSF 4	3P
2	Stucchi	9000XX Series	3P
3	Eutrac	2510x	3P
4	Unipro	T32B	3P
5	Ivela	7501	3P
6	ERCO	783	3P
7	Hoffmeister	/	3P

Remark:

1. The model name is XTS 4 and XTSF 4 tracks, and its brand is Global.
2. The model name used is the 9000XX track, and its brand is Stucchi. The "XX" in the model name represents: it represents a different color.
3. The model name is 2510x tracks, and its brand is Eutrac. The "x" in the model name represents: it represents a different color (x=1 white; x=2 black; x=3 silver, x=8 grey).
4. The model name is T32B tracks, and its brand is Unipro.
5. The model name is 7501 tracks, and its brand is Ivela.
6. The model name is 783 tracks, and its brand is ERCO.
7. Hoffmeister

7. Phase track light rail specification:



8. Lighting track adapter and rail system installation diagram:



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