

### Constant Current Driver

Model : SC30W200-700CG-4W  
 SC30W200-700CG-4B  
 SC30W200-700CG-4G



Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage	No load Voltage
SC30W200-700CG-4W/ SC30W200-700CG-4B/ SC30W200-700CG-4G	200mA	0.10A	9.88W	2.00-8.40W	0.8	85%	10-42V	59V
	250mA	0.11A	12.21W	2.50-10.50W	0.85	86%	10-42V	59V
	300mA	0.12A	14.48W	3.00-12.60W	0.88	87%	10-42V	59V
	350mA	0.13A	16.90W	3.50-14.70W	0.9	87%	10-42V	59V
	400mA	0.14A	19.10W	4.00-16.80W	0.92	88%	10-42V	59V
	450mA	0.15A	21.47W	4.50-18.90W	0.92	88%	10-42V	59V
	500mA	0.16A	23.86W	5.00-21.00W	0.95	88%	10-42V	59V
	550mA	0.17A	26.25W	5.50-23.10W	0.95	88%	10-42V	59V
	600mA	0.18A	28.64W	6.00-25.20W	0.95	88%	10-42V	59V
	650mA	0.19A	31.02W	6.50-27.30W	0.95	88%	10-42V	59V
	700mA	0.20A	33.41W	7.00-29.40W	0.95	88%	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	≤0.20A (230VAC, full load)
	Input Power	≤33.1W (230VAC, full load)
	Power Factor	≥0.95 (230VAC, full load)
	THD	≤20% (230VAC, full load)
	No-load Power Consumption	≤0.5W @230VAC
Output	No Load Voltage	59VDC Max.
	Output Current	200mA -700mA (Max. output)
	Max. Output Power	29.4W

	Efficiency	≥88% (230VAC, full load)
	Current Ripple	±5% (Imax-Imin)/(Imax+Imin)
	Current Accuracy	±5%
	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	< 250µA, I/P to O/P or I/P to PE @230V input
Environment	Ta/Operation Temperature	-20....+35°C
	Ts/Storage Temperature	-40....+85°C
	Tc/Enclosure Temperature	65°C
	Humidity	10%....90%RH
	Atmospheric pressure	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Independent
	SEC Wire preparation	0.5-1.5 <sup>□</sup>
	Dimension	158 x 31 x 45mm (L*W*H)
Standards	Certification	ENEC/CE/ SAA /UKCA/EAC
	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
Others	RoHS	complied to 2011/65/EU
	Life Time	50000h @Ta/ Tc
	Warranty	5years , F.R. < 10000ppm

**Remark:**

- All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C ambient temperature.
- 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. Label

**LED Driver SC30W200-700CG-4W**  
For LED modules only  
Constant Current Lighting track adaptors

**LED Driver SC30W200-700CG-4B**  
For LED modules only  
Constant Current Lighting track adaptors

**LED Driver SC30W200-700CG-4G**  
For LED modules only  
Constant Current Lighting track adaptors

P <sub>out</sub> [W]	I <sub>out</sub> [mA]	I <sub>n</sub> [A]	λ	1	2	3	4
8.4	200	0.10	0.75C	-	-	-	-
10.5	250	0.11	0.78C	-	-	-	ON
12.6	300	0.12	0.82C	-	-	ON	-
14.7	350	0.13	0.83C	-	-	ON	ON
16.8	400	0.14	0.85C	-	ON	-	-
18.9	450	0.15	0.87C	-	ON	-	ON
21	500	0.16	0.90C	-	ON	ON	-
23.1	550	0.17	0.92C	-	ON	ON	ON
25.2	600	0.18	-	ON	-	-	-
27.3	650	0.19	0.95	ON	-	-	ON
29.4	700	0.20	-	ON	-	ON	-

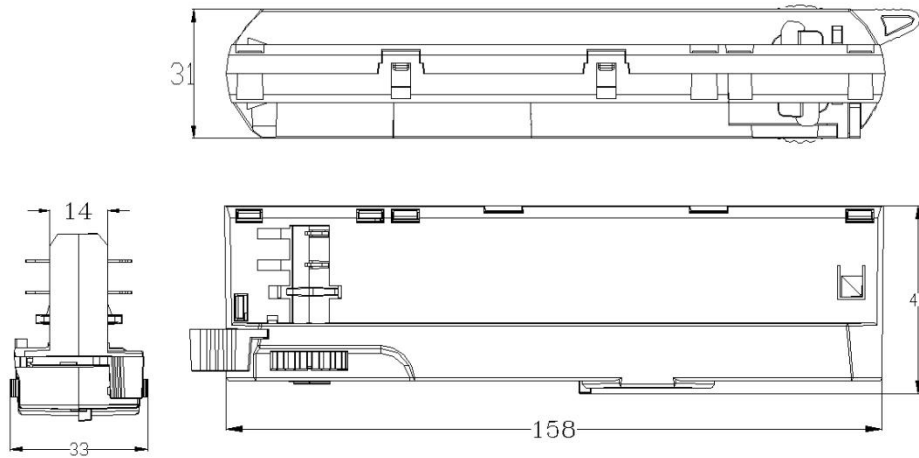
### 3. Connected quantities of different current Breaker

TYPE	Connected quantities of different current Breaker						Input Voltage	Inrush Current	Time
	current (A)	10	13	16	20	25			
	Installation wire diameter	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup>	4mm <sup>2</sup>			
TYPE B	33	43	53	67	83	@230VAC	18	2.8	
TYPE C	53	69	85	107	133				
TYPE D	85	111	137	171	213				

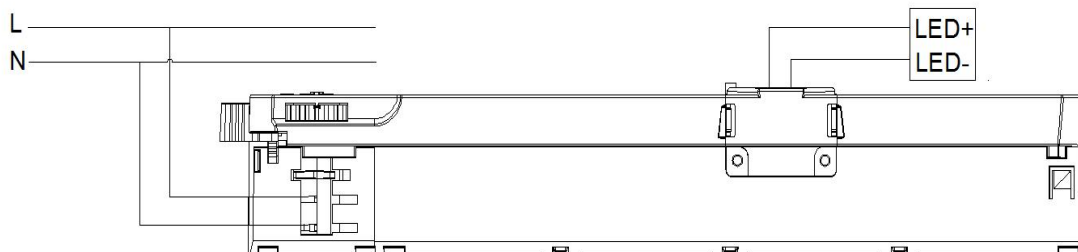
### 4. Output Current Setting

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	-

### 5. Dimension



### 6. Wiring Diagram



### 7. Packing information

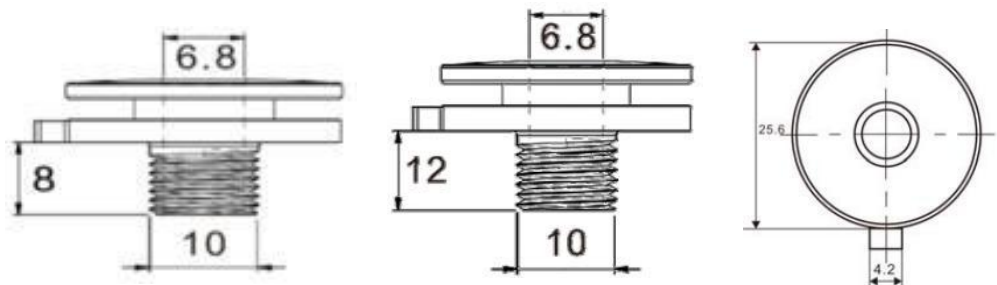
Packing way	Model	Colour	Carton L*W*H(mm)	Pcs/ Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight/ Carton(kg)
industrial	SC30W200-700CG-4W	White	515*274*370	150	0.125	18.75	20.07
	SC30W200-700CG-4B	Black					
	SC30W200-700CG-4G	Grey					

### 8. 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

#### Ordering data

Type	Colour	Article number	Qty/ctn	Weight/pcs
M10x1x8	White	AC094306	1200	0.016
	Black	AC094307	1200	0.016
	Aluminium	AC094310	1200	0.016
M10x1x12	White	AC094308	900	0.017
	Black	AC094309	900	0.017
	Aluminium	AC094305	900	0.017

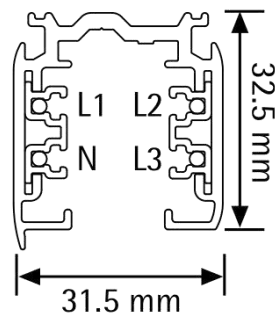
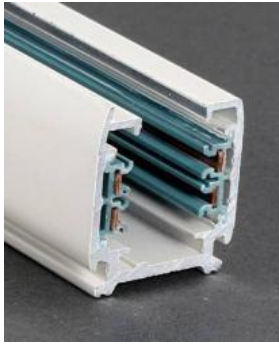


### 9. Suitable for following tracks

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

#### 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.

**10. Phase track light rail specification:****11. Lighting track adapter and rail system installation diagram:**

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

**12. 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.)