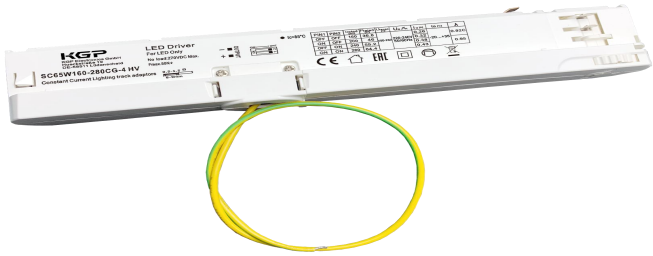
SC65W160-280CG-4 HV



Constant Current Driver

Model:SC65W160-280CG-4 HV

Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage	No load Voltage
SC65W160-280CG-4 HV	160mA	0.26A	46.5W	16-36.8W	0.92	90%	100-230V	270V
	200mA	0.32A	58W	20-46W	0.92	90%		
	240mA	0.38A	68W	24-55.2W	0.95	90%		
	280mA	0.43A	77W	28-64.4W	0.95	91%		

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

1. Parameters

category	Item	Technical Norm
Features	Output Type	Constant Current
	Output Features	Non-Isolation
	IP Grade	IP20
	Insulation Class	Class Ⅱ
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Range of DC Input Voltage	180-285VDC
	Frequency	50/60Hz
	Input Current	≤0.43A
	Input Power	≤77W
	Power Factor	≥0.95 (230VAC，full load)
	THD	≤20% (230VAC，full load)
	No-load Power Consumption	≤0.5W @230VAC
	Inrush Current	20A/60μs (@160mA） 25A/60μs (@200mA) 30A/60μs (@240mA) 35A/60μs (@280mA)
	Connected quantity of 20A Breaker	20pcs/type A; 30pcs/type B;50pcs/type C (@160mA） 16pcs/type A; 24pcs/type B;40pcs/type C (@200mA) 13pcs/type A; 20pcs/type B;33pcs/type C (@240mA) 11pcs/type A; 17pcs/type B;28pcs/type C (@280mA)
Output	Output Voltage Range	100-230VDC
	No Load Voltage	270VDC Max.
	Output Current	160-280mA
	Max. Output Power	64.4W
	Efficiency	≥91% (230VAC，full load)

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	Current Ripple(< 120 Hz)	5% (Imax-Imin)/(Imax+Imin)
	PstLM	≤1
	SVM	≤0.4
	Current Accuracy	±8% (@160mA） ±6%(@ 200mA,240mA） ±5%(@ 280mA）
	Started Delay Time	≤0.5S (230VAC，full load)
Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery
	No-load Protection	Auto Recovery
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	I/P to O/P < 250μA
Environment	Ta/Operation Temperature	-20….+35℃
	Ts/Storage Temperature	-35….+80℃
	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	250 x 31 x 45mm (L*W*H)
Standards	Certification	CE
	Safety Standards	EN61347-1:2015,EN61347-2-13:2014/A1:2017 EN62493:2015
	EMC Standards	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	2011/65/EU
	Life Time	50000h @Ta/ Tc
	Warranty	5years ,F.R. < 10000ppm

Remark:

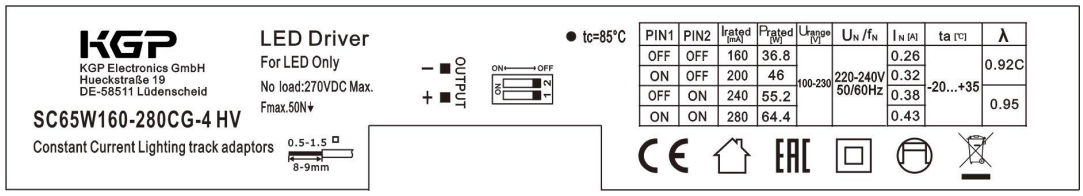
1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25℃ ambient temperature.

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.

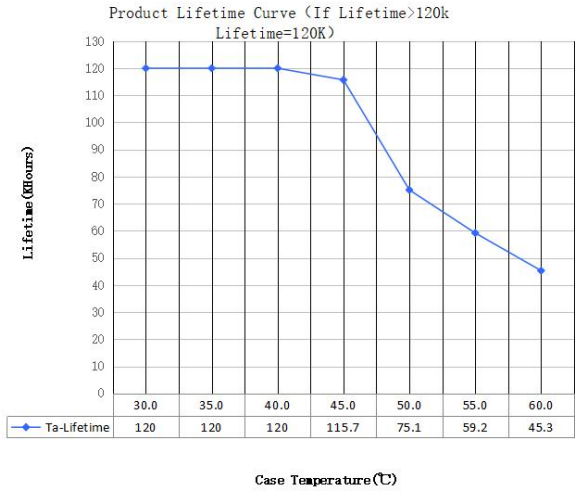
2. Output Current Setting

Output Current	PIN1	PIN2
160mA	OFF	OFF
200mA	ON	OFF
240mA	OFF	ON
280MA	ON	ON

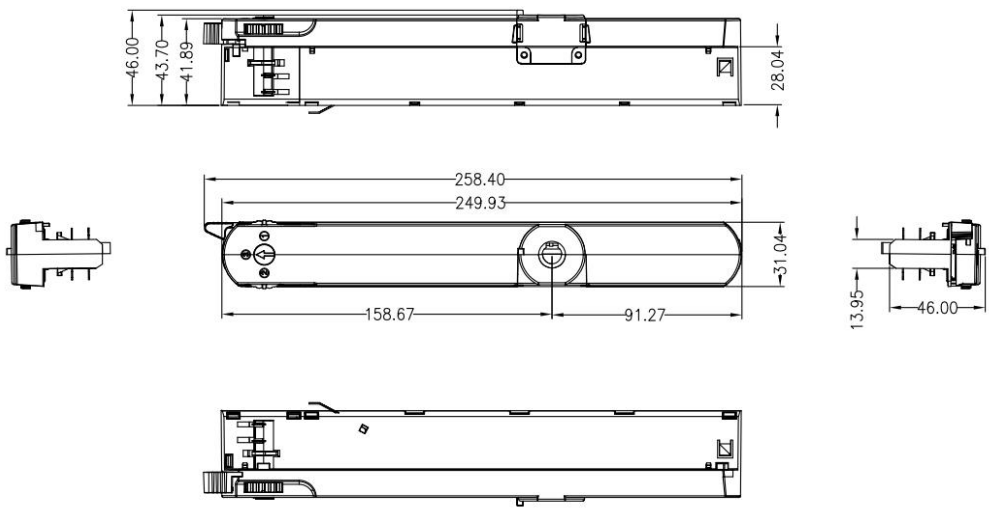
3. Label



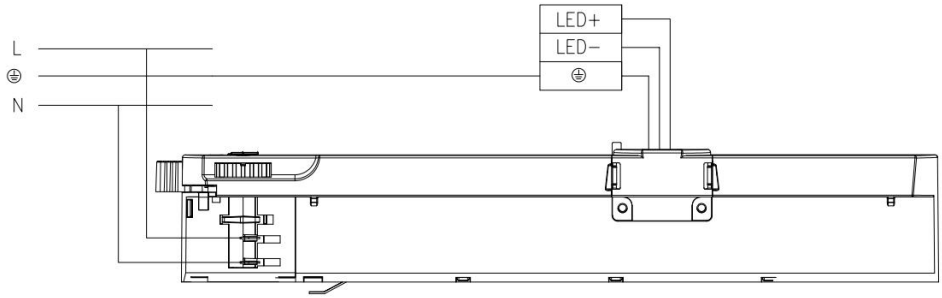
4. Lifetime curve



5. Dimension



6. Wiring Diagram



7. Packing information

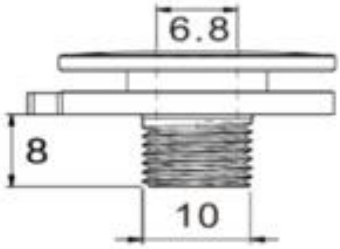
Packing way	Model	Colour	Carton L*W*H (mm)	Pcs/ Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight/ Carton(kg)
industrial	SC65W160-280CG-4W HV	White	515*274*370	90	0.15	13.5	16.1
	SC65W160-280CG-4B HV	Black					
	SC65W160-280CG-4G HV	Grey					

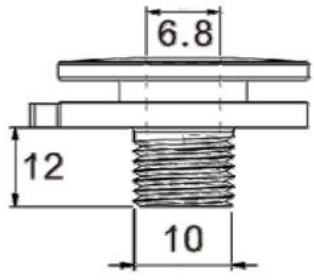
8. Lamp Screw Type

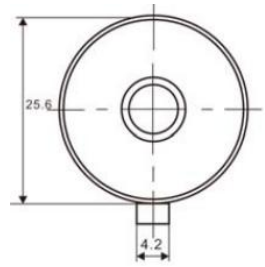
- Optional threaded sleeve for luminaire mounting
- Suitable for M10x1x8 threaded nut
- Additional mounting equipment,e.g.M10x1x12
- aluminium, black, white
- further on request

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







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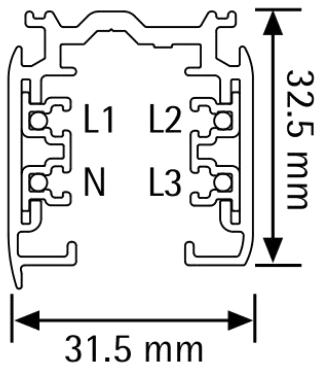
9. Suitable for following tracks

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:



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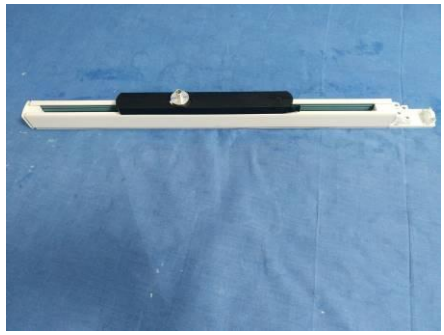
11. Lighting track adapter and rail system installation diagram:



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.)