LC65W350-500S

Constant Current Driver

Model: LC65W350-500S

Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency（typical）	Output Voltage	No load Voltage
LC65W350-500S	350mA	0.35A	73W	38.9-65.1W	0.95	91%	111-186V	220V
	500mA			39.5-65.0W			79-130V	

*** 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 Ⅰ
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VACor 180-280VDC
	Frequency	0/50-60Hz
	Input Current	≤0.35A (230VAC，full load)
	Input Power	≤75W (230VAC，full load)
	Power Factor	≥0.95 (230VAC，full load)
	THD	≤15% (230VAC，full load)
	No-load Power Consumption	≤0.5W @230VAC
	Inrush Current	≤45A/300μs (230VAC，full load)
	Input Over Voltage protection	When input voltage over 330-390VAC , output will be cut off, and can withstand 2 hrs. That is auto recovery, when input voltage come back normal input voltage range.
Output	Output Voltage Range	79-186VDC
	No Load Voltage	220VDC Max.
	Output Current	350mA-500mA
	Max. Output Power	65.1W
	Efficiency	≥91% (230VAC，full load)
	Current Ripple(< 120 Hz)	±5% (Imax-Imin)/(Imax+Imin)
	PstLM	≤1
	SVM	≤0.4
	Current Accuracy	±5%
	Line Regulation	±5%

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	Load Regulation	±5%
	Started Delay Time	≤0.5S (230VAC，full load)
Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery
	No-load Protection	/
	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….+50℃
	Ts/Storage Temperature	-40….+85℃
	Tc/Enclosure Temperature	85℃
	Humidity	10%....90%RH
	Atmospheric pressure	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Built-in
	PRI Wire preparation	0.75-1.5□
	SEC Wire preparation	0.5-1.5□
	Dimension	230x30x 21mm (L*W*H)
Standards	Certification	CE、EAC
	Safety Standards	EN 61347-1:2015/A1:2021 EN 61347-2-13:2014/A1:2017 EN IEC 62384:2020 EN 62493:2015 AS61347.2.13:2018 AS/NZS61347.1:2016 Inc A1 BS EN 61347-1:2015/A1:2021 BS EN 61347-2-13:2014/A1:2017 BS EN 62493:2015 BS EN IEC 62384:2020
	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 61547:2009
	Performance	EN62384:2020
	Surge	L-N:1KV；L/N-PE:2KV；
Others	RoHS	complied to 2011/65/EU
	REACH	EU Regulation (EC) No 1907/2006
	Life Time	50000h @Ta/ Tc
	Warranty	5years ,F.R. < 10000ppm
	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.		

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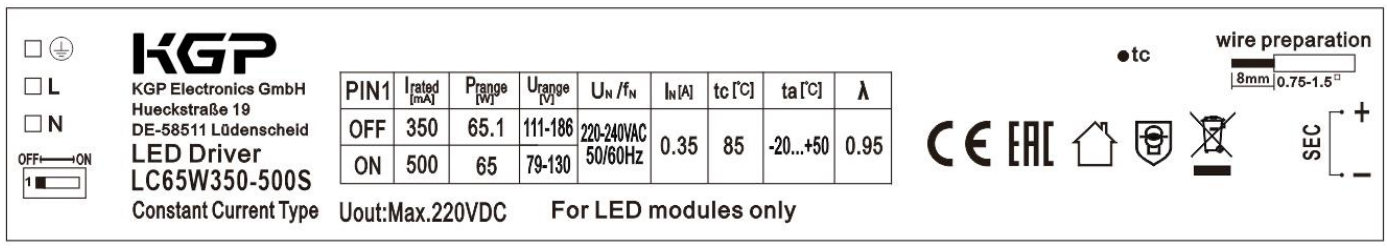
2. Output Current Setting

Output Current	Dial 1
350mA	OFF
500mA	ON

3. Connected quantities of different current Breaker

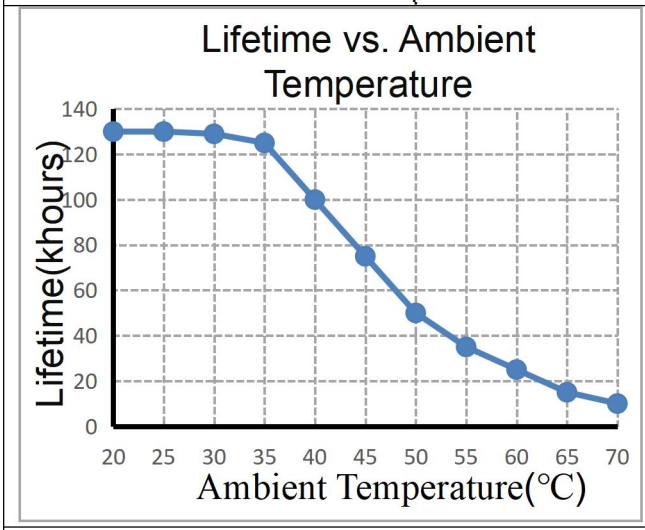
TYPE	Connected quantities of different current Breaker						Input Voltage	Inrush Current	Time
	current（A）	10	13	16	20	25			
	Installation wire diameter	1.5mm²	2.5mm²	2.5mm²	4mm²	4mm²			
TYPE B		13	17	21	27	33	@230VAC	45	300μs
TYPE C		21	28	34	43	53			
TYPE D		34	44	55	68	85			

4. Label

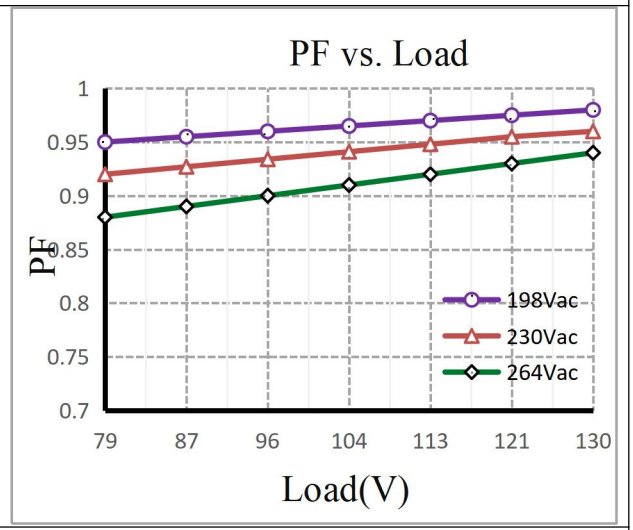


5. Lifetime curve

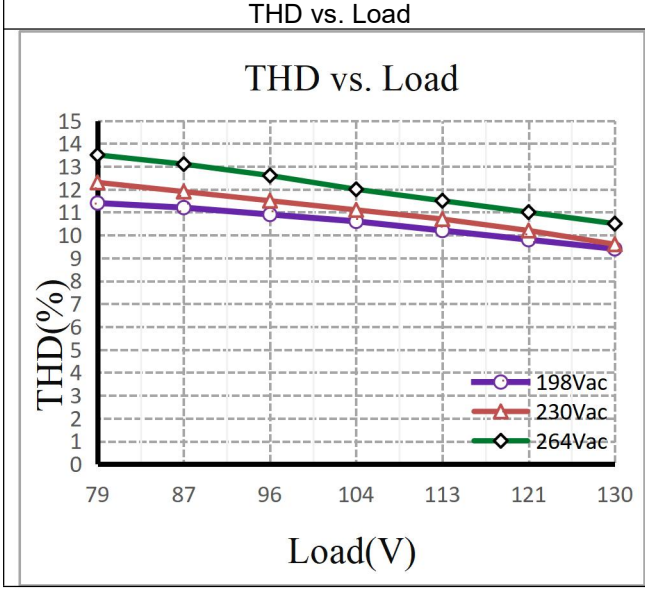
Lifetime vs. Case Temperature



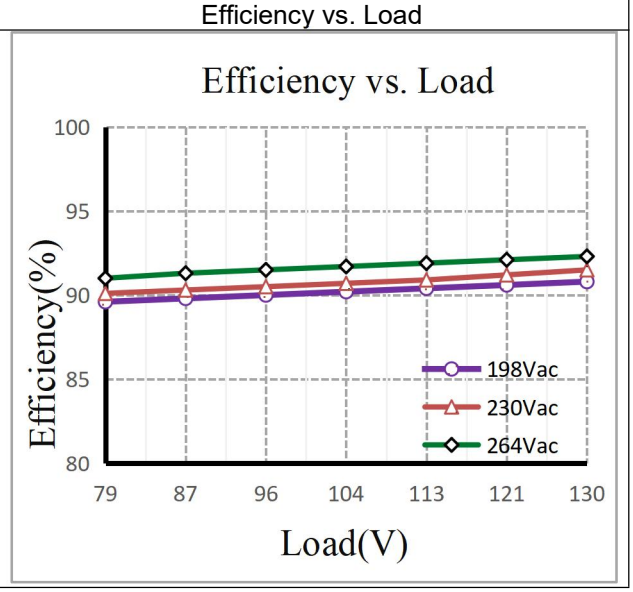
PF vs. Load



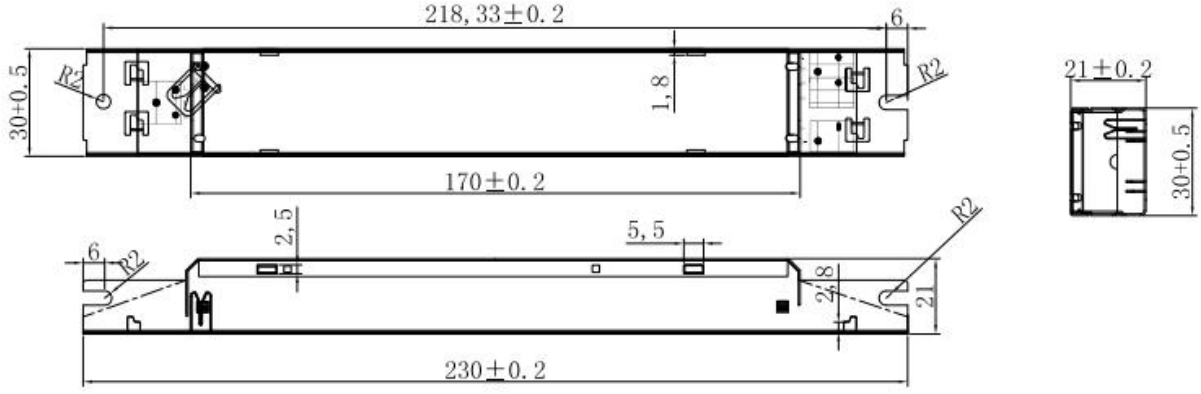
THD vs. Load



Efficiency vs. Load



6. Dimension（Unit：mm）



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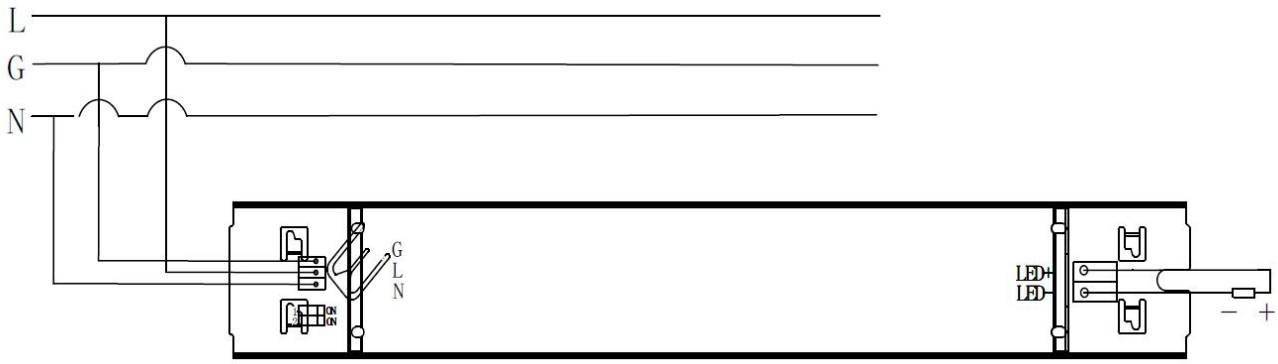
7. Wiring Diagram



8. Packing information

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
390*260*175mm	60PCS	0.166	9.96	10.77

9. 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.)
- The lamp controlgear replies upon the luminaire enclosure for protection against accidental contact with live parts.

10. REVISION HISTORY

DATE	VER	REMARK
2024-11-4	V1.0	Initial release.

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