



Constant Current Driver

Model: LC65W300S



Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage	No load Voltage
LC65W300S	300mA	0.35A	75W	39-66W	0.95	90%	130-220V	250V

* 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 DC Input Voltage	/
	Range of Input Voltage	198-264VAC
	Frequency	50/60Hz
	Input Current	≤0.35A (230VAC, full load)
	Input Power	≤75W (230VAC, full load)
	Power Factor	≥0.95 (230VAC, full load)
	THD	≤20% (230VAC, full load)
	No-load Power Consumption	≤0.5W @230VAC
	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	No Load Voltage	250VDC Max.
	Output Current	300mA
	Max. Output Power	66W
	Efficiency	≥90% (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







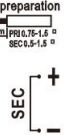
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	< 250μA, I/P to O/P or I/P to PE @230V input
Environment	Ta/Operation Temperature	-20...+50°C
	Ts/Storage Temperature	-40....+85°C
	Tc/Enclosure Temperature	85°C
	Humidity	10%....90%RH
	Atmospheric pressure	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Build-in
	PRI Wire preparation	0.75-1.5 [□]
	SEC Wire preparation	0.5-1.5 [□]
	Dimension	250x30x 21mm (L*W*H)
Standards	Certification	CE、EAC
	Safety Standards	EN61347-1,EN61347-2-13
	EMC Standards	EN55015,EN61000-3-2,EN61000-3-3,EN61547
	Performance	EN62384
	Surge	L-N:1KV; L/N-PE: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°C 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.

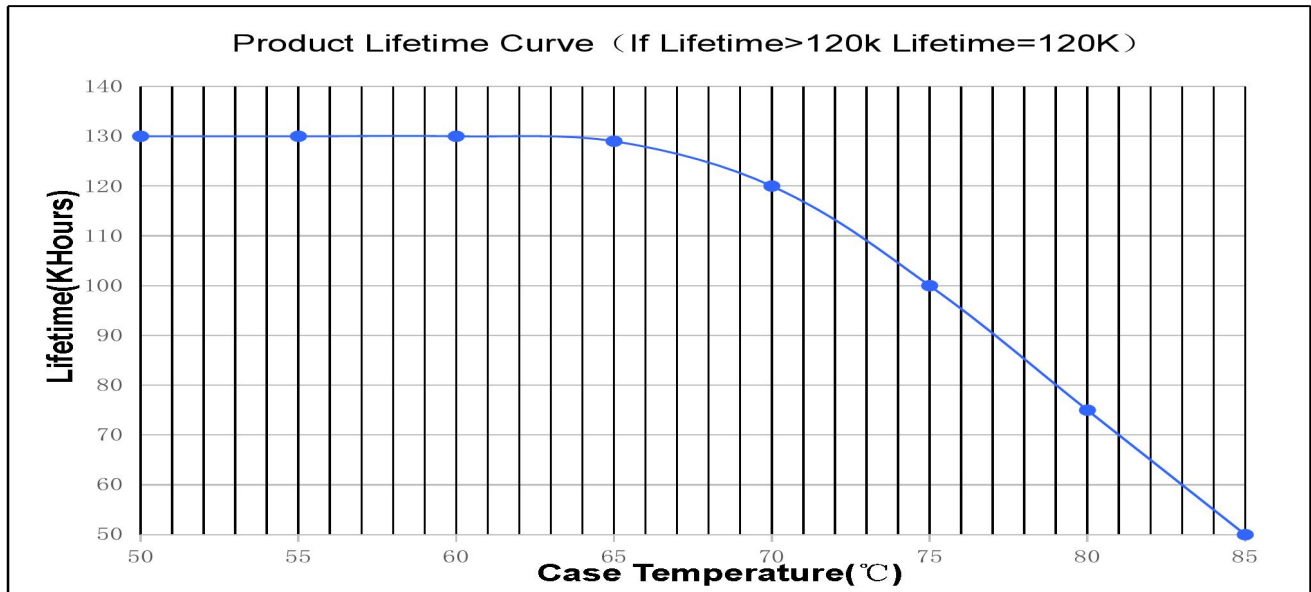
2. Connected quantities of different current Breaker

TYPE	Connected quantities of different current Breaker						Input Voltage	Inrush Current	Time
	current (A)	10	13	16	20	25			
	Installation wire diameter	1.5mm ²	2.5mm ²	2.5mm ²	4mm ²	4mm ²			
TYPE B		12	16	19	24	30	@230VAC	50	200us
TYPE C		19	25	31	38	48			
TYPE D		31	40	49	61	77			

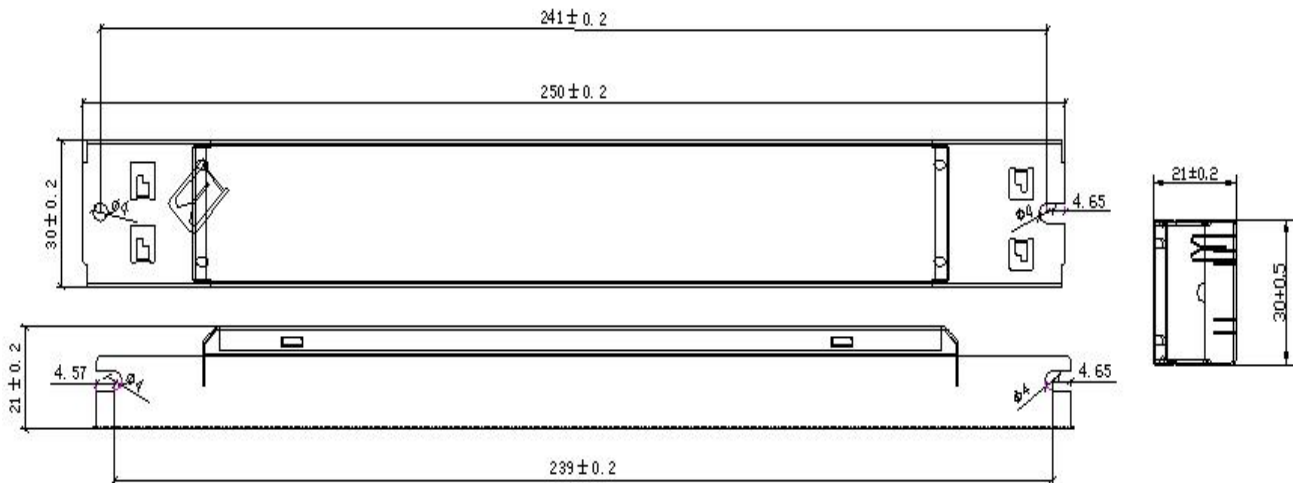
3. Label

<input type="checkbox"/> N <input type="checkbox"/> ⊕ <input type="checkbox"/> L	 KGP Electronics GmbH Hueckstraße 19 DE-58511 Lüdenscheid	LED Driver LC65W300S Constant Current Type	Input Voltage:220-240VAC Input Frequency:50/60Hz Power Factor(λ):≥0.95 I _{in} :≤0.35A For LED modules only	U _{range} =130-220VDC I _{rated} =300mA Prange=39-66W U _{out} :Max. 250VDC ta:-20...50°C tc:85°C	•tc      
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4. Lifetimecurve



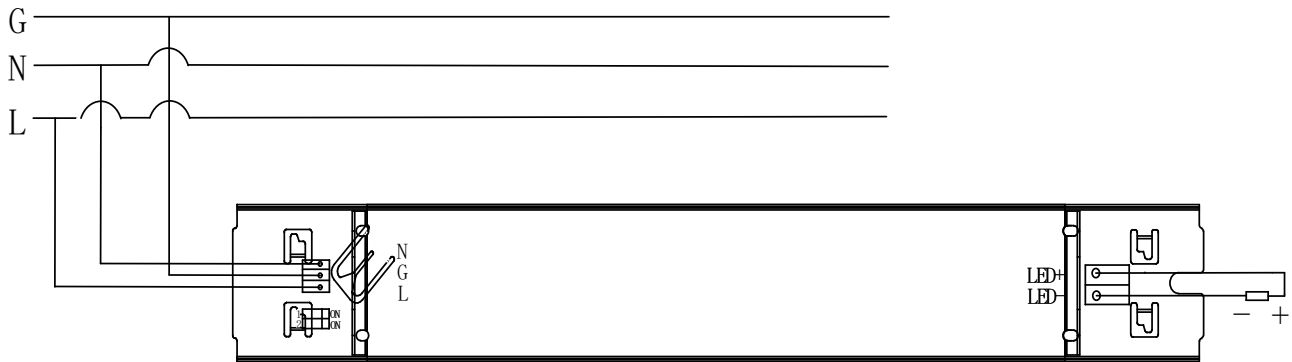
5. Dimension (Unit: mm)



6. Packing information

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
280*275*197MM	55PCS	1.753	9.642	9.687

7. Wiring Diagram



8. 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 relies upon the luminaire enclosure for protection against accidental contact with live parts.

9. REVISION HISTORY

DATE	VER	REMARK
2023-11-7	V1.0	Initial release.
2024-11-4	V1.1	Update model.