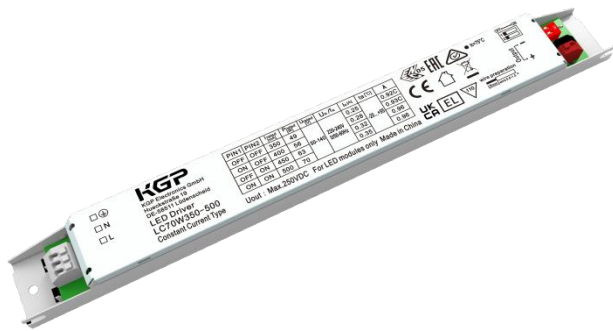




Constant Current Driver

Model: LC35W350-500



Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage	No load Voltage
LC35W350-500	350mA	0.13A	28.0W	5.25-24.5W	0.95	89%	15-70V	250V
	400mA	0.15A	32.0W	6.0-28.0W	0.96			
	450mA	0.16A	35.0W	6.75-31.5W				
	500mA	0.18A	39.0W	7.5-35.0W				

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

1.Parameters

category	Item	Technical Norm
Features	Output Type	Constant Current
	IP Grade	IP20
	Insulation Class	Class I
Input	Rated Input Voltage	220-240V
	Range of AC Input Voltage	198-264VAC
	Range of DC Input Voltage	176-280VDC
	Frequency	0/50-60Hz
	Power Factor	≥0.96 (230VAC, full Load, see graphs)
	THD	≤20% (230VAC, full Load, see graphs)
	No-load Power Consumption	≤0.5W @230VAC
Output	Current Accuracy	±5%
	Max. Output Voltage	250V
	Started Delay Time	≤0.5S (230VAC, full load)
	Current Ripple(< 120 Hz)	±5% (Imax-Imin) / (Imax+Imin)
	PstLM	≤1
	SVM	≤0.4
	Emergency output coefficient	1

Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery
	No-load Protection	Auto Recovery
	Insulation voltage	O/P to PE , 1.5KVac/1min I/P to PE , 1.5KVac/1min
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	I/P to O/P < 700μA
Environment	Ta/Operation Temperature	-20...+55°C
	Ts/Storage Temperature	-30....+85°C
	Tc/Enclosure Temperature	70°C
	Humidity	10%....90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Build-in
	PRI Wire preparation	0.5-1.5□
	SEC Wire preparation	0.5-1.5□
	Dimension	230*30*21mm (L*W*H)
Standards	Certification	CE、ENEC、EAC、UKCA、SAA
	Safety Standards	EN61347-1:2015 EN61347-2-13:2014/A1:2017 EN62384:2006/A1:2009 EN62493:2015 AS61347.2.13:2018 AS/NZS61347.1:2016 Inc A1
	EMC Standards	EN IEC 55015:2019 EN61547:2009 EN IEC 61000-3-2:2019 EN 61000-3-3:2013/A1:2019
	Performance	EN62384
	Surge	L-N:1KV; L/N-PE:2KV;
	RoHS	Complied to 2011/65/EU
Others	Life Time	50000h Tc=70°C, F.R. <10%
		75000h Tc=65°C, F.R. <10%
		100000h Tc=60°C, F.R. <10%
	Warranty	5years
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. Output Current Setting

Output Current	Dial 1	Dial 2
500mA	ON	ON
450mA	OFF	ON
400mA	ON	OFF
350mA	OFF	OFF

3.Connected quantities of different current Breaker

TYPE	LC35W350-500 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		27	35	44	55	68	@230VAC	22	200us
TYPE C		44	57	70	87	109			
TYPE D		70	91	112	140	175			

4.Label

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☐ N
☐ L

KGP
 KGP Electronics GmbH
 Hueckstraße 19
 DE-58511 Lüdenscheld
LED Driver
LC35W350-500
 Constant Current Type

PIN1	PIN2	I _{rated} (mA)	P _{rated} (W)	U _{rated} (V)	U _N /f _N	I _N (A)	ta [°C]	λ
OFF	OFF	350	24.5	15-70	220-240V 0/50-60Hz	0.13	-20...+55	0.95
ON	OFF	400	28			0.15		0.96
OFF	ON	450	31.5			0.16		
ON	ON	500	35			0.18		

U_{out} : Max.250VDC For LED modules only Made in China

tc=70°C

OFF → ON

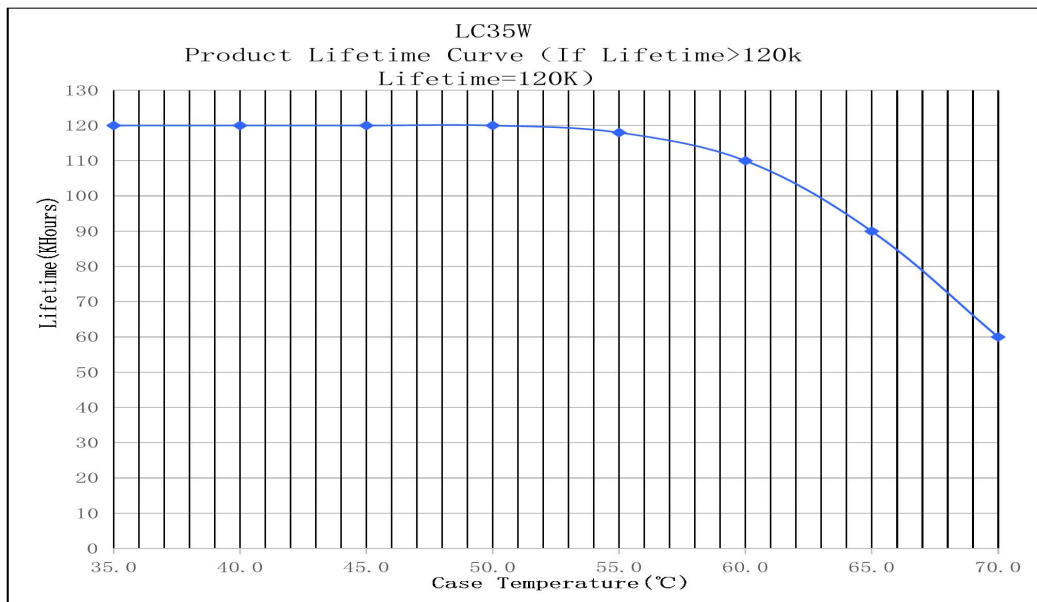
Output

110

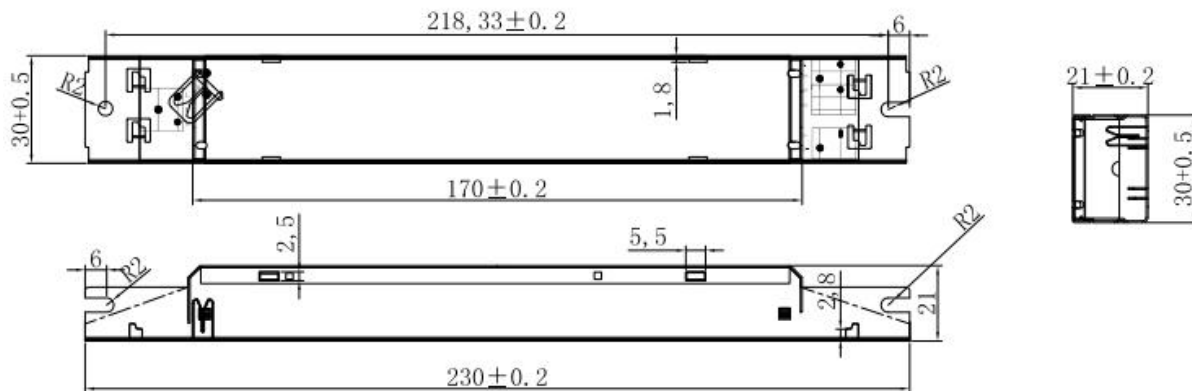
wire preparation

8mm wire 0.5-1.5

5.Lifetime curve



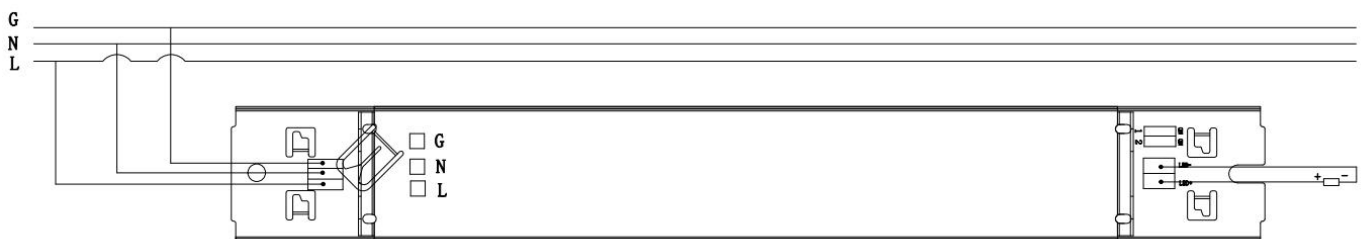
6.Dimension (Unit: mm)



7.Packing information

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
380*250*155MM	60PCS	T.B.D	T.B.D	T.B.D

8.Wiring Diagram



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

10.REVISION HISTORY

DATE	REV.	REMARK
2022-10-26	V1.0	Initial release.
2022-12-14	V1.1	Update the label.