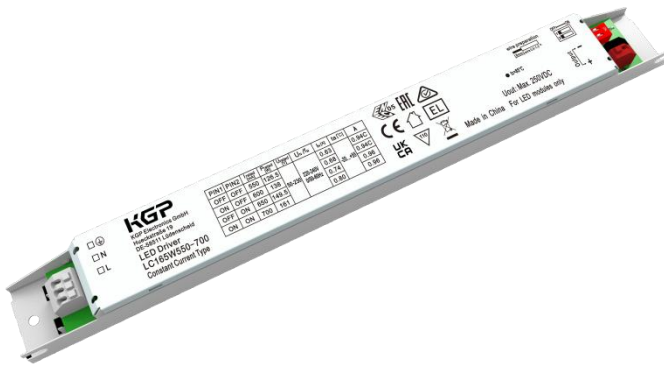




LC150W550-700

Constant Current Driver
Model:LC150W550-700



Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage	No load Voltage
LC150W550-700	550mA	0.60A	132.0W	27.5-121.0W	0.94	92%	50-220V	250V
	600mA	0.65A	142.0W	30.0-132.0W	0.94	93%		
	650mA	0.71A	153.0W	32.5-143.0W	0.96	94%		
	700mA	0.75A	163.0W	35.0-154.0W	0.96	95%		

* 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	186-280VDC
	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	85°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	280*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;
	Others	RoHS
Life Time	50000h Tc=85°C, F.R. <10%	
	75000h Tc=80°C, F.R. <10%	
	100000h Tc=75°C, F.R. <10%	
Warranty	5years	
<p>Remark:</p> <p>1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C ambient temperature.</p> <p>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.</p> <p>3.The lamp controlgear relies upon the luminaire enclosure for protection against accidental contact with live parts.</p>		

2. Output Current Setting

Output Current	Dial 1	Dial 2
700mA	ON	ON
650mA	OFF	ON
600mA	ON	OFF
550mA	OFF	OFF

3.Connected quantities of different current Breaker

TYPE	LC150W550-700 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		10	13	16	20	25	@230VAC	60	400us
TYPE C		16	21	26	32	40			
TYPE D		26	33	41	51	64			

4.Label

⊕

N

L

KGP
KGP Electronics GmbH
Hueckstraße 19
DE-58511 Lüdenscheid
LED Driver
LC150W550-700
Constant Current Type

PIN1	PIN2	Input [V]	Output [V]	U _{in} /f _{in}	I _{in} (A)	ηa(%)	λ
OFF	OFF	550	121	50-220	0.60	0.94C	
ON	OFF	600	132	220-240V 50-60Hz	0.65	0.94C	
OFF	ON	650	143		0.71	0.96	
ON	ON	700	154		0.75	0.96	

05 ENEC

CE UK CA

EL

110

Made in China

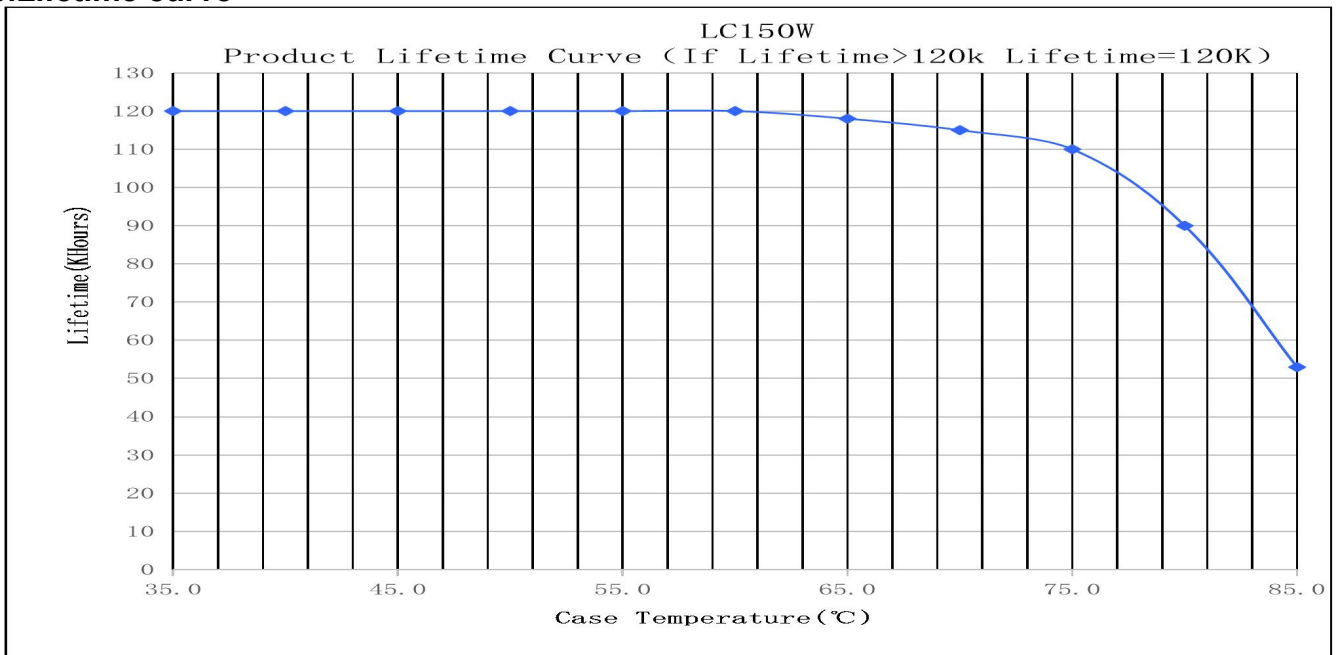
wire preparation
1.5mm wire 0.4-1.5"

⊙ t_a=85°C

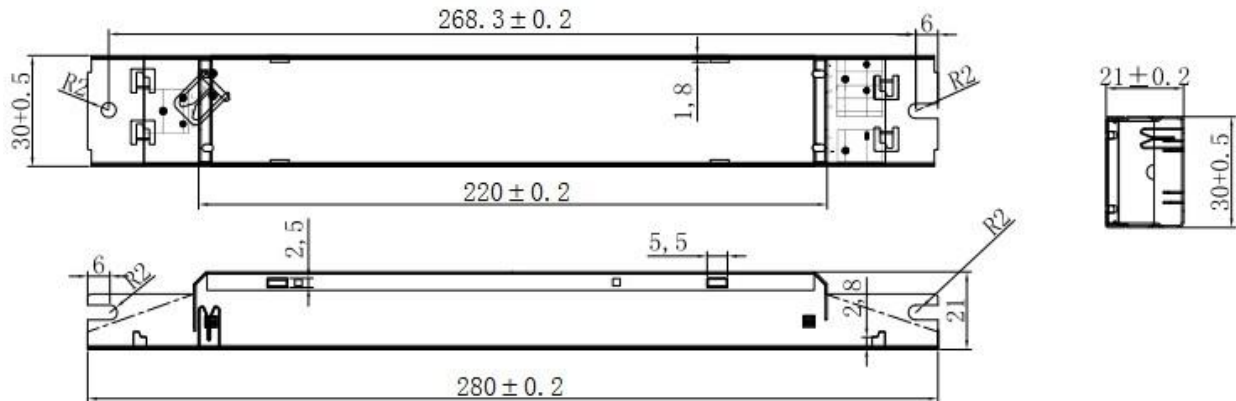
U_{out}: Max. 250VDC
For LED modules only

Output
1 -
2 +

5.Lifetime curve



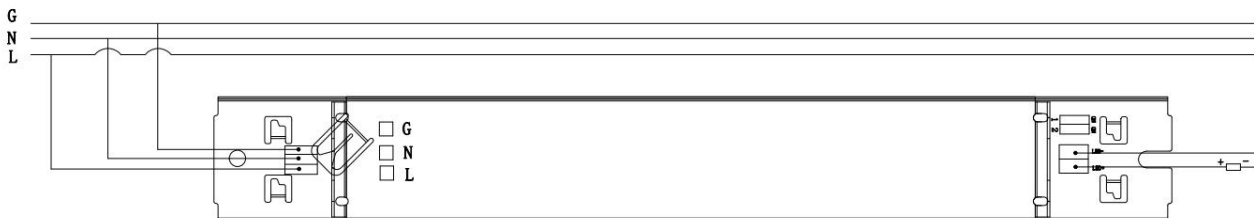
6.Dimension (Unit: mm)



7.Packing information

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
335*300*138MM	50PCS	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.