

Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage	No load Voltage
LC75W900-1800 NFC	900-1500mA	≤0.42A	84.2W	18.00-75.00W	≥0.95	89%	20-50	60V
	1550-1800mA	≤0.52A	84.9W	31.00-75.60W	≥0.95		20-42	



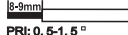

* Test result @230V, 50Hz, Full Load

1. Parameters

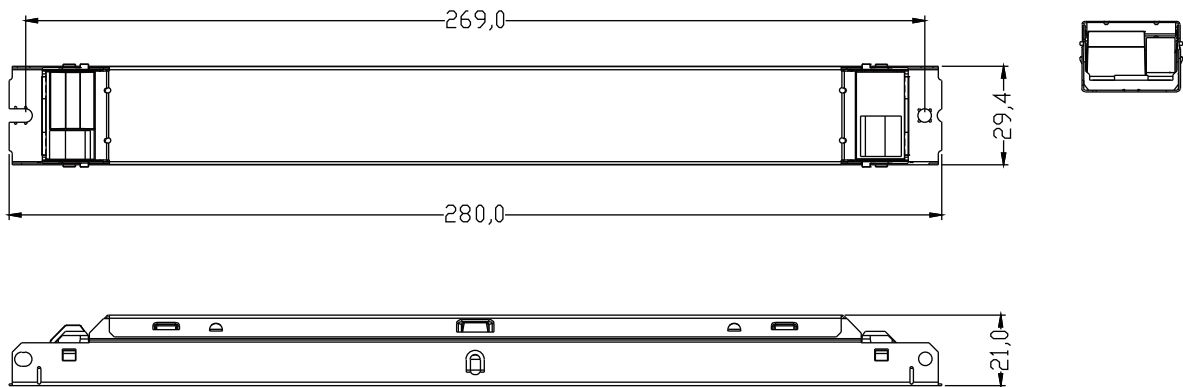
category	Item	Technical Norm
Features	Output Type	Constant Current
	Current Setting	Near field communication (NFC)
	Output Features	Isolation
	IP Grade	IP20
	Insulation Class	Class I
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Range of DC Input Voltage	180-280VDC
	Frequency	0/50/60Hz, Range:0/47-63Hz
	Input Current	≤0.52A max
	Input Power	≤84.9W max
	Power Factor	≥0.95 (230VAC, full load)
	THD	≤8.5% (230VAC, full load)
	No-load Power Consumption	≤0.50W (230VAC, full load)
	Inrush Current	≤27A/16.8us (230VAC, full load)
	Connected quantity of 10A Breaker	7pcs/type A ;12pcs/type B ;19pcs/type C
Connected quantity of 16A Breaker	12pcs/type A ;19pcs/type B ;30pcs/type C	
Connected quantity of 20A Breaker	14pcs/type A ;23pcs/type B ;37pcs/type C	
Output	Output Voltage	20-50VDC@900-1500mA 20-42VDC@1550-1800mA
	No Load Voltage (Uout)	60VDC Max.
	Output Current	900-1800mA (by NFC settin)
	Max. Output Power	75.6W

Output	Efficiency	≥89%	(230VAC, full load@max current)
	Output LF current ripple (< 120 Hz)	±3%	(Imax-Imin) / (Imax+Imin)
	Current Accuracy	±5%	
	Output PstLM (at full load)	≤1	
	Output SVM (at full load)	≤0.4	
	Starting Time (AC mode)	≤0.5S	(230VAC, full load)
Control Method	NFC current setting	The output current can be set within the total value range in 1-mA-steps. Output current is mean value. Setting is by KGP's software APP/APK/PC with FEIG equipment or mobile phone.	
Protection	Short Circuit Protection	Auto Recovery	
	Overload Protection	Auto Recovery (not be hot swap)	
	No-load Protection	Auto Recovery	
	Insulation voltage	3000V 5mA 60S between P-S, 1500V 5mA 60S between P-E	
	Insulation resistance	>100M ohm @ 500VDC	
	Leakage current	< 700µA, I/P to O/P or I/P to PE @230V input	
Environment	Ta/Operation Temperature	-25....+50°C	
	Ts/Storage Temperature	-25....+90°C	
	Tc/Enclosure Temperature	90°C	
	Humidity	10%....90%RH	
	Atmosphere	86-108KPa	
Construction	Connection Method	Push-in Terminal	
	Installation	Build-in	
	PRI Wire preparation	0.5-1.5 [□] / 8-9mm	
	SEC Wire preparation	0.5-1.5 [□] / 8-9mm	
	Dimension	280*29.4*21mm (L*W*H)	
Standards	Certification	CE/ENEC/SAA/UKCA	
	Safety Standards	EN61347-1:2015/A1:2021; EN61347-2-13:2014/A1:2017; EN62384:2006/A1:2009; AS 61347.2.13:2018; AS/NZS61347.1:2016; BS EN61347-1:2015/A1:2021; BS EN61347-2-13:2014/A1:2017;	
	EMC Standards	AS/NZS CISPR 15:2011; AS CISPR 15:2017 ;	
	Performance	EN 62384	
	Surge	L-N/2KV (L/N)-PE/4KV	
Others	RoHS	2011/65/EU	
	Life Time	50000h	Tc=90°C
		75000h	Tc=85°C
		100000h	Tc=80°C
Warranty	5years , F.R. < 10000ppm		
<p>Remark: 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>			

2. Label

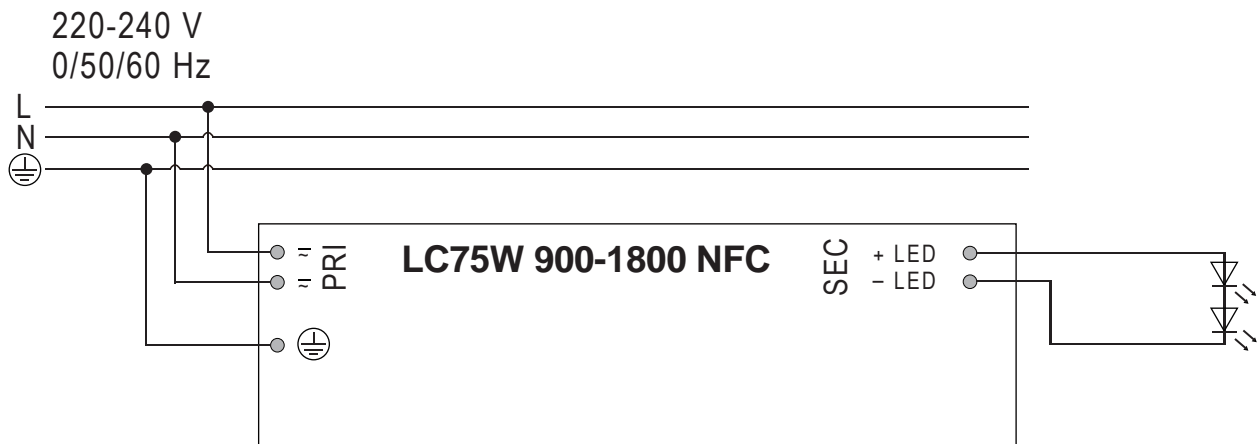
<input type="checkbox"/> L <input type="checkbox"/> N <input type="checkbox"/> ⊕	 KGP KGP Electronics GmbH Hueckstraße 19 DE-58511 Lüdenscheid	LED Driver LC75W900-1800 NFC Constant Current Type for LED Only Input Voltage: 220-240VAC Input Frequency: 0/50-60Hz Range of application DC 180-280V	•tc Power Factor: ≥ 0.95 $I_{in} \leq 0.52A$ SEC: 900-1800mA 20-50VDC Prange=18-75.6W Uout: 60VDC Max. 75.6W Tc: 90°C Ta: 50°C		wire preparation  PRI: 0.5-1.5° SEC: 0.5-1.5°	SEC + □ SEC □ 
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3. Dimension (Unit: mm)

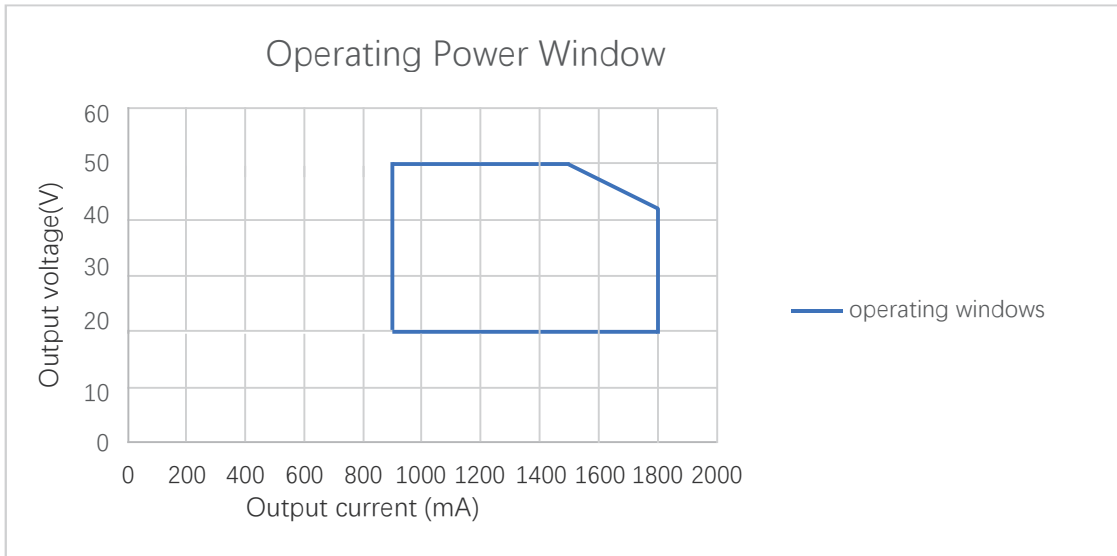


4. Installation / wiring

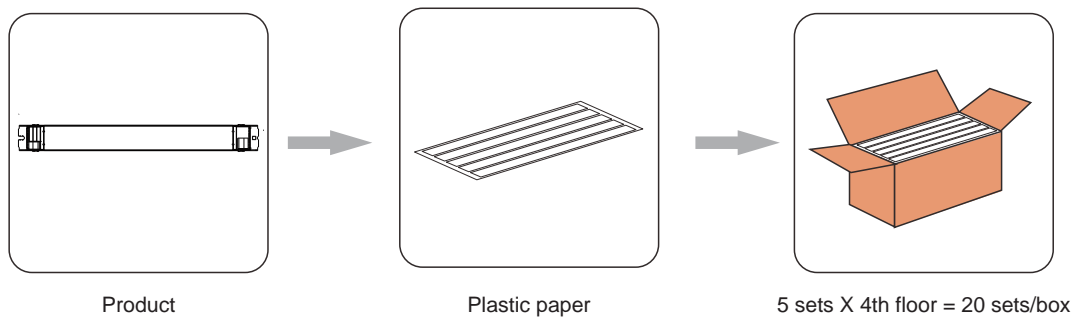
Circuit diagram



5. Output Power Window



6. Packing information



Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
290*155*110	20	3.54	0.14	3.68

7. NFC current setting

T.B.D.

8. REVISION HISTORY

Date	Revision	Remark