

Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage	No load Voltage
LC75W1050-1800	1050mA	0.43A	60.34W	21.00-52.50W	0.90	87.0%	20-50V	60V
	1100mA	0.44A	63.22W	22.00-55.00W	0.91	87.0%	20-50V	60V
	1150mA	0.45A	66.09W	23.00-57.50W	0.92	87.0%	20-50V	60V
	1200mA	0.46A	68.18W	24.00-60.00W	0.93	88.0%	20-50V	60V
	1250mA	0.47A	71.02W	25.00-62.50W	0.93	88.0%	20-50V	60V
	1300mA	0.48A	73.03W	26.00-65.00W	0.93	89.0%	20-50V	60V
	1350mA	0.49A	75.84W	27.00-67.50W	0.94	89.0%	20-50V	60V
	1400mA	0.50A	78.65W	28.00-70.00W	0.95	89.0%	20-50V	60V
	1450mA	0.51A	81.46W	29.00-72.50W	0.95	89.0%	20-50V	60V
	1500mA	0.52A	84.27W	30.00-75.00W	0.96	89.0%	20-50V	60V
	1550mA	0.47A	73.15W	31.00-65.10W	0.93	89.0%	20-42V	60V
	1600mA	0.48A	75.51W	32.00-67.20W	0.94	89.0%	20-42V	60V
	1650mA	0.49A	77.87W	33.00-69.30W	0.94	89.0%	20-42V	60V
	1700mA	0.50A	80.22W	34.00-71.40W	0.95	89.0%	20-42V	60V
	1750mA	0.51A	82.58W	35.00-73.50W	0.95	89.0%	20-42V	60V
1800mA	0.52A	84.94W	36.00-75.60W	0.96	89.0%	20-42V	60V	

*** 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	198-264VAC
	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	≥0.96 (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@1050-1500mA 20-42VDC@1550-1800mA
	No Load Voltage (Uout)	60VDC Max.
	Output Current	1050-1800mA (Factory set current of 1050mA)
	Max. Output Power	75.6W
	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)	
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 L/N to PE
	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/CB
	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; IEC 61347-2-13:2014; IEC 61347-1:2015
	EMC Standards	AS/NZS CISPR 15:2011; AS CISPR 15:2017 ;
	Performance	EN 62384
	Surge	L-N/1KV (L/N)-PE/2KV
Others	RoHS	2011/65/EU
	Life Time	50000h Tc=90°C
		75000h Tc=85°C
		100000h Tc=80°C
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.

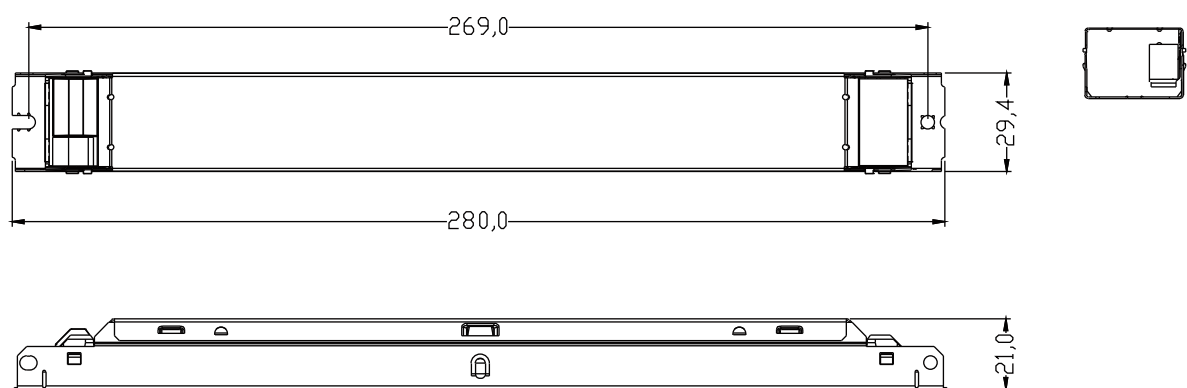
2. Label

<input type="checkbox"/> L <input type="checkbox"/> N <input checked="" type="checkbox"/> ⊕	 KGP KGP Electronics GmbH Hueckstraße 19 DE-58511 Lüdenscheid	LED Driver LC75W1050-1800 Constant Current Type for LED Only Input Voltage:220-240VAC I _{in} :≤0.52A Input Frequency:0/50-60Hz Prange=21-75.6W Range of application U _{out} :60VDC Max.75.6W DC 180-280V Tc:90°C Ta:50°C SEC:1050-1800mA 20-50VDC	           	<table border="1"> <thead> <tr> <th>P_{out} (W)</th> <th>I_{out} (mA)</th> <th>λ</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>P_{out} (W)</th> <th>I_{out} (mA)</th> <th>λ</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> </tr> </thead> <tbody> <tr> <td>52.5</td> <td>1050</td> <td>0.90C</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>72.5</td> <td>1450</td> <td>0.95</td> <td>ON</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>55.0</td> <td>1100</td> <td>0.91C</td> <td>-</td> <td>-</td> <td>-</td> <td>ON</td> <td>75.0</td> <td>1500</td> <td>0.96</td> <td>ON</td> <td>-</td> <td>-</td> <td>ON</td> </tr> <tr> <td>57.5</td> <td>1150</td> <td>0.92C</td> <td>-</td> <td>-</td> <td>ON</td> <td>-</td> <td>65.1</td> <td>1550</td> <td>0.93C</td> <td>ON</td> <td>-</td> <td>ON</td> <td>-</td> </tr> <tr> <td>60.0</td> <td>1200</td> <td>0.93C</td> <td>-</td> <td>-</td> <td>ON</td> <td>ON</td> <td>67.2</td> <td>1600</td> <td>0.94C</td> <td>ON</td> <td>-</td> <td>ON</td> <td>ON</td> </tr> <tr> <td>62.5</td> <td>1250</td> <td>0.93C</td> <td>-</td> <td>ON</td> <td>-</td> <td>-</td> <td>69.3</td> <td>1650</td> <td>0.94C</td> <td>ON</td> <td>ON</td> <td>-</td> <td>-</td> </tr> <tr> <td>65.0</td> <td>1300</td> <td>0.93C</td> <td>-</td> <td>ON</td> <td>-</td> <td>ON</td> <td>71.4</td> <td>1700</td> <td>0.95</td> <td>ON</td> <td>ON</td> <td>-</td> <td>ON</td> </tr> <tr> <td>67.5</td> <td>1350</td> <td>0.94C</td> <td>-</td> <td>ON</td> <td>ON</td> <td>-</td> <td>73.5</td> <td>1750</td> <td>0.95</td> <td>ON</td> <td>ON</td> <td>ON</td> <td>-</td> </tr> <tr> <td>70.0</td> <td>1400</td> <td>0.95</td> <td>-</td> <td>ON</td> <td>ON</td> <td>ON</td> <td>75.6</td> <td>1800</td> <td>0.96</td> <td>ON</td> <td>ON</td> <td>ON</td> <td>ON</td> </tr> </tbody> </table>	P _{out} (W)	I _{out} (mA)	λ	1	2	3	4	P _{out} (W)	I _{out} (mA)	λ	1	2	3	4	52.5	1050	0.90C	-	-	-	-	72.5	1450	0.95	ON	-	-	-	55.0	1100	0.91C	-	-	-	ON	75.0	1500	0.96	ON	-	-	ON	57.5	1150	0.92C	-	-	ON	-	65.1	1550	0.93C	ON	-	ON	-	60.0	1200	0.93C	-	-	ON	ON	67.2	1600	0.94C	ON	-	ON	ON	62.5	1250	0.93C	-	ON	-	-	69.3	1650	0.94C	ON	ON	-	-	65.0	1300	0.93C	-	ON	-	ON	71.4	1700	0.95	ON	ON	-	ON	67.5	1350	0.94C	-	ON	ON	-	73.5	1750	0.95	ON	ON	ON	-	70.0	1400	0.95	-	ON	ON	ON	75.6	1800	0.96	ON	ON	ON	ON	 <input type="checkbox"/> ⊕ <input type="checkbox"/> ⊖  <input type="checkbox"/> ⊕ <input type="checkbox"/> ⊖  <input type="checkbox"/> ⊕ <input type="checkbox"/> ⊖
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3. Output Current Setting

Output Current	1	2	3	4
1050mA	-	-	-	-
1100mA	-	-	-	ON
1150mA	-	-	ON	-
1200mA	-	-	ON	ON
1250mA	-	ON	-	-
1300mA	-	ON	-	ON
1350mA	-	ON	ON	-
1400mA	-	ON	ON	ON
1450mA	ON	-	-	-
1500mA	ON	-	-	ON
1550mA	ON	-	ON	-
1600mA	ON	-	ON	ON
1650mA	ON	ON	-	-
1700mA	ON	ON	-	ON
1750mA	ON	ON	ON	-
1800mA	ON	ON	ON	ON

4. Dimension (Unit: mm)

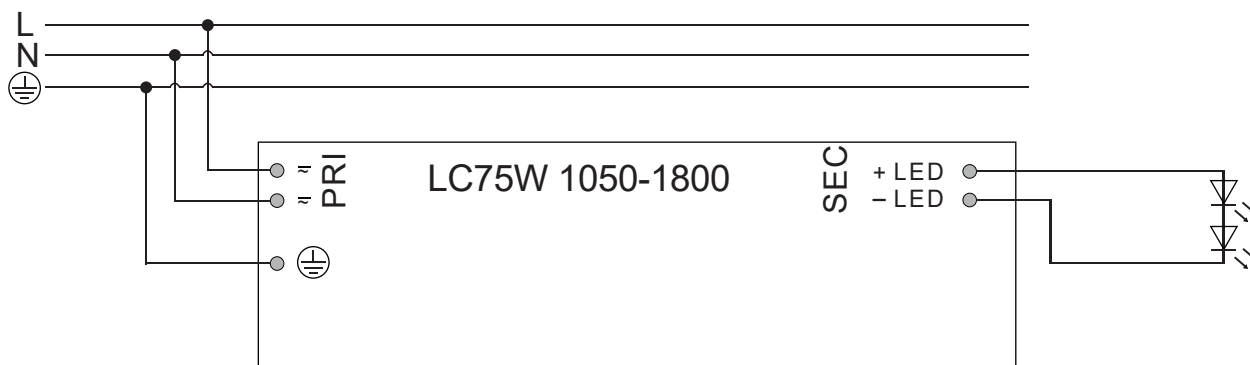


5. Installation / wiring

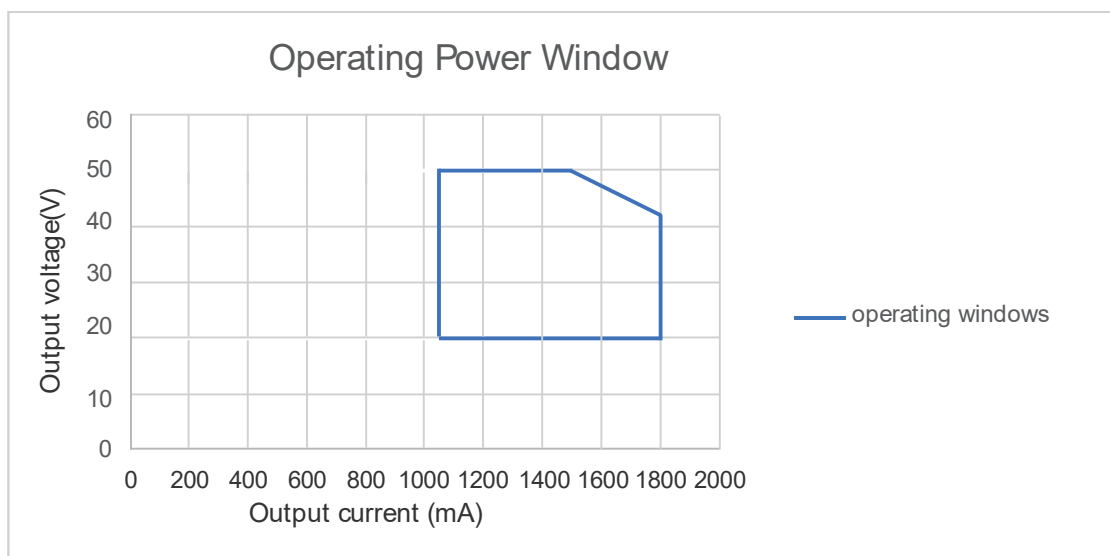
Circuit diagram

220-240 V

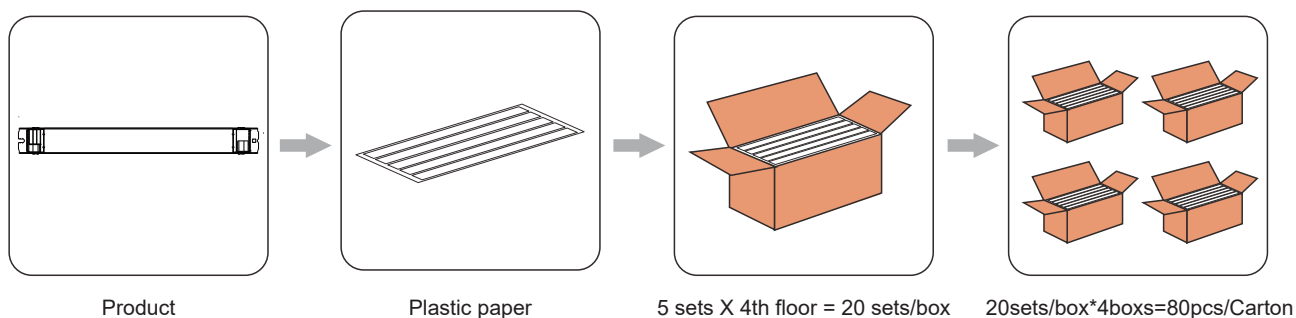
0/50/60 Hz



6. Output Power Window



7. Packing information



Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
325*303*213	80	0.165	13.20	14.52

8. REVISION HISTORY

Date	Revision	Remark
2023.11.02	V0.01	update images, Packing information