

1.	General Information	
1 1	LED Driver identification	

1.1 LED Driver identification PCL50W-MC-Match-1050

1.2 **LED control gear type** Buit in

1.3 LED configuration 800mA— channel; Terminals 5—7

925mA— channel; Terminals 5—6

1050mA — channel ;Default ,Terminals open

1.4 Type of LED's 800mA—925mA—1050mA LED or LED module

1.5 Type of protection1.6 Suit for Luminaires1.7 Class I1.8 Class I

2. Input (Mains) Specifications

2.1 Nominal voltage 220...240 V_{AC}

2.2 Nominal frequency 50/60 Hz

2.3 Min. AC voltage for starting 198 V_{AC} start-up with operating temperature

2.4 AC operation on 198...264 V_{AC}

2.5 Min. DC voltage for starting 176 V_{DC}

2.6 DC operation on $176...276 \, V_{DC}$

2.7 Surge current /

2.8 Rated input power ≤65 W, @220 – 240 V_{AC}

2.9 Input current <0.3 A, @220 – 240 V_{AC}

2.10 Power factor >0.95, @220 – 240 V_{AC}

2.11 Input current harmonics IEC 61000-3-2

2.12 Total harmonic distortion ≤10 %

2.13 Full-load efficiency ≥86 % (Full load, 220 – 240 V, 50 Hz)

2.14 No load power consumption

2.15 Leakage current /

2.16 Number of mains fuses 1

3. Output (Mains) Specifications

3.1 Number of channels 1

3.2 Rated output power 23 W...55 W

3.3 Min. output voltage 27 V_{DC}

3.4 Max. output voltage 54 V_{DC}

3.5 Max. declared output voltage 60V_{DC} (No load protection put output down to

roughly ...2 V)

3.6 Average nominal output current 800mA—925mA—1050mA

3.7 Output current tolerance (max) ±10 %

3.8 Dimming /

3.9 Way of dimming /



3.10 Dimming range

5. 10 Birining rango	•
3.11 Open circuit proof	1
3.12 Overload protection	Yes
3.13 Short circuit protection	Yes
3.14 Max. cable length without LED module	≤1.5 m
3.15 Max. ripple current	1
3.16 Type of output	Constant Current
3.17 Overvoltage output protection	1
3.18 Number of output channels	2 output connectors (parallel connection)]
3.19 Turn-on Time	≤1.0 s
4. Temperatures and Life expectation	
4.1 Min. allowed ambient Temp.	-20 ℃
4.2 Max. allowed ambient Temp.	+50 ℃
4.3 Allowed operating humidity range	5 %90 %
4.4 Max. allowed T _C Temp.	75 ℃
4.5 Over temperature protection	The unit is protected against temporary
	overheating by automatic reduction of the output
	power.If tc exceed 85°C approx. the output current,
	duced to the lowest nominal value (800 mA);
4.6 life time	50,000h tc = 75°C, 0.3% failure rate
	100,000h tc = 65°C,0.5% failure rate

Up to 10,000 cycles

5. Immunity

4.8 **Two or**

4.7 switching cycles during life time

5.1	Immunity against static discharge	IEC 61547
5.2	Immunity against radio frequency electric and	IEC 61547
	Magnetic fields	
5.3	Immunity against power frequency electric and	IEC 61547
	magnetic fields	
5.4	Immunity against transient voltage fluctuation	IEC 61547
5.5	Immunity against injected currents on AC line	IEC 61547
5.6	Immunity against surge voltage and currents (AC)	IEC 61547
5.7	Immunity against voltage dips (AC)	IEC 61547
5.8	Immunity against voltage interruptions	IEC 61547
5.9	Magnetic shielding	



О.	Kri Kequirements	
6.1	Disturbance voltages at mains terminals according	EN 55015
	to luminaries of class II (or I)	

6.2 Radiated disturbance voltages EN55015

7. Safety Requirements

7.1	Cree page distance and clearances	IEC 61347-2-13
7.2	Protection against contact with live parts	IEC 61347-2-13
7.3	Voltage at ballast terminal after 1 min	IEC 61347-2-13
7.4	Max. working voltage	IEC 61347-2-13
7.5	Humidity / insulation resistance test	IEC 61347-2-13
7.6	Humidity / high voltage test	IEC 61347-2-13

7.7 Strength against mechanical damage

8. Installation and Wiring

8.1	Terminals	Push type
8.2	Number of mains terminals	1 with 7 ports
8.3	Number of LED terminals	1 with 4 ports
8.4	Max. diameter of test contacts	1.2 mm

8.5 Cross section of wires (any lead) 0.5...1.5 mm² massive leads

8.6 Max. allowed cable capacitance
8.7 Max. allowed cable length
8.8 Min. distance between LED drivers
5 cm

9. LED Driver Case

9.1 Case material and identification Hardware, L280D

9.2 Case drawing Number refer to the attached drawing

9.3 Approx. dimension L282×W30×H21.5 mm

9.4 Mounting hole distance9.5 Mounting screwsL267 mmMax. M4

9.6 Ground connection via

9.7 Terminal covers

9.8 Class of protection

9.9 Labelling

9.10 Barcode identification

Yes

IP20

/

10. Environmental Requirements

10.1 Noise produced by driver during start /

10.2 Noise produced by driver during operation <30 dB at distance 1 m

10.3 Labelling of plastic case Silkscreen

10.4 Absence of dangerous materials10.5 After end of life to be treated as/



11. Approvals

11.1 Approval according to CE,CB,SAA,ROHS

11.2 EMC approval according to EN 55015

12. Packaging and Transport

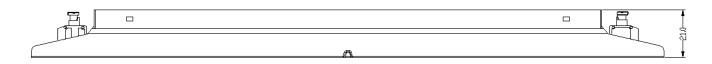
12.1 Immunity against vibration and shock /

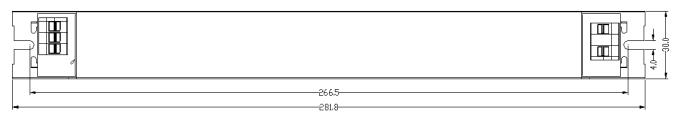
12.2 Weight (g)

12.3 Packing unit 30 pcs/carton

13. Dimension, Drawing Diagram and Label

13.1 Dimension

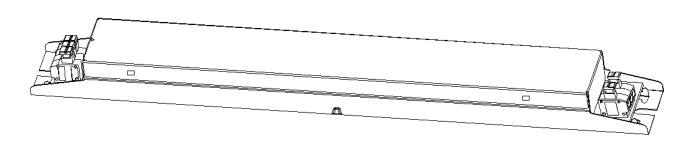




Unit: mm

Tolerance: ±1.0mm

13.2 Drawing Diagram



13.3 Label

1 ~ ₹	Consta	nt cu	rrent	LED P	ower S	upply				Connect PE to case or PIN 4 Wise Preparation Fushin St. 130	EL (ED+ -+02
3 6 4 (4) 2 2	lout select	lout (mA)	Pout (W)	(V)	UNITN	la(t)	IN(A)	λ	ta(*c)		8 02
Select Select	open 5 - 6 5 - 7	1050 925 800	54 49 41	27-54	220-240V 0/50/60Hz	75	0.30 0.27 0.24	0.98 0.98 0.97	-2050	SELV-equivalent	LED 0.2