

## ID LCCB 50/230/350-1400 NFC FV1

Built-in isolated adjustable power LED driver
NFC control adjusts the current
Flicker free LED driver
Output current 350-1400mA
Max. output power 50W
For luminaries of protection class I
5-year warranty



ELECTRICAL SPECIFICATIONS					
Rated input voltage range:	220 ... 240 Vac				
Max. input voltage range:	198 ... 264 Vac				
DC voltage range :	220 ... 240 Vdc				
Max. DC voltage range :	176... 276Vdc				
Rated frequency range:	0 / 50 / 60 Hz				
Max. input current:	0.3 A @ 230 Vac				
Total harmonic distortion (max.):	≤ 20 % at rated input voltage range @ full load				
MCB Loading Quantity:	Inrush current I <sub>peak</sub> : 21.6A		Inrush current T <sub>width</sub> : 276us		
	MCB Type:	B10	C10	B16	C16
	Qty (PCS)	10	17	17	28
Output current tolerance:	± 5 % at rated input voltage range				
Turn on delay time:	≤ 0.5 s at full load @ rated input voltage				
No load output voltage:	≤ 60 Vdc				
Ripple output current:	≤ 5%				
Output PST:	≤1 at full load @ rated input voltage				
Output SVM:	≤0.4 at full load @ rated input voltage				
Set output current:	NFC control adjusts the current; 350-1400mA				
Default current:	1400mA				
Withstand voltage:	I/O:3.75kVac、 I/FG: 1.5 kVac、 O/FG: 1.5 kVac; < 5 mA, 60 sec				
Mains surge immunity:	L-N 1kV,L-FG 2kV,N-FG 2kV				
Connection terminal type:	0°push in terminal				
Wire cross section:	Input and output wire: 0.5 - 1.5 mm <sup>2</sup>				
Wire stripping length:	8-9mm				
Protection rating:	IP 20				



Protection:	Over voltage protection: The output voltage is less than or equal to 60V
	Short circuit protection: Hiccup mode. Protection device will trigger when short circuit and will auto recover after the fault mode is removed.

**ELECTRICAL SPECIFICATIONS**

Supplementary instruction:	The luminaire manufacturer is responsible for measuring and verifying EMI compliance of the complete luminaire as the level of radio interference will vary depending on the luminaire construction. Especially primary and secondary cable lengths and their routing may have a significant effect on radio interference.
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**ENVIRONMENTAL SPECIFICATIONS**

Operating temperature:	-20 to 50°C
Storage temperature:	-25 to 85°C
Working humidity:	10 % to 90 %
Store humidity:	5 % to 95%
Driver lifetime:	at Tc≤80°C: 50,000 hrs; at Tc≤70°C: 100,000 hrs; @230Vac
Maximum Tc temperature:	80°C

**PRODUCT SPECIFICATIONS**

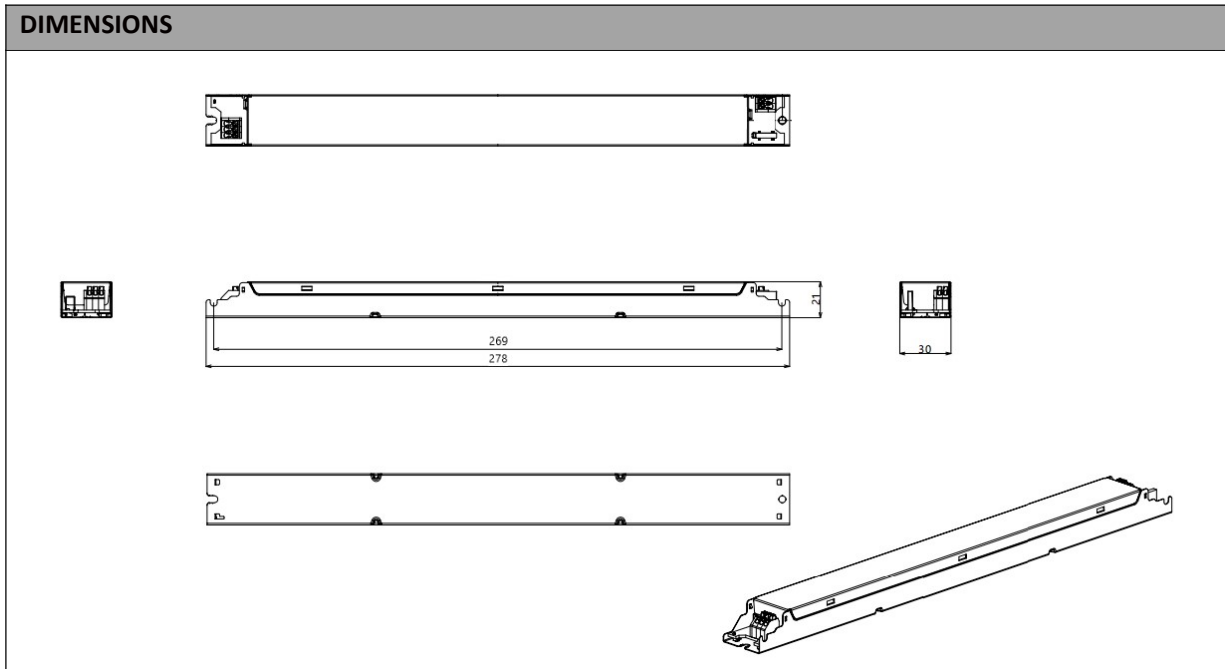
Model Number (Full Model)	Output Current	Input Voltage	Output Voltage	Efficiency @full load	Current Accuracy	Power Factor	Dimension L*W*H (mm)
ID LCCB 50/230/350-1400 NFC FV1	350-1400mA	220-240Vac 220-240Vdc	15-54Vdc	87%	±5%	≥0.9	L278*W30*H21

**SAFETY AND EMC COMPLIANCE**

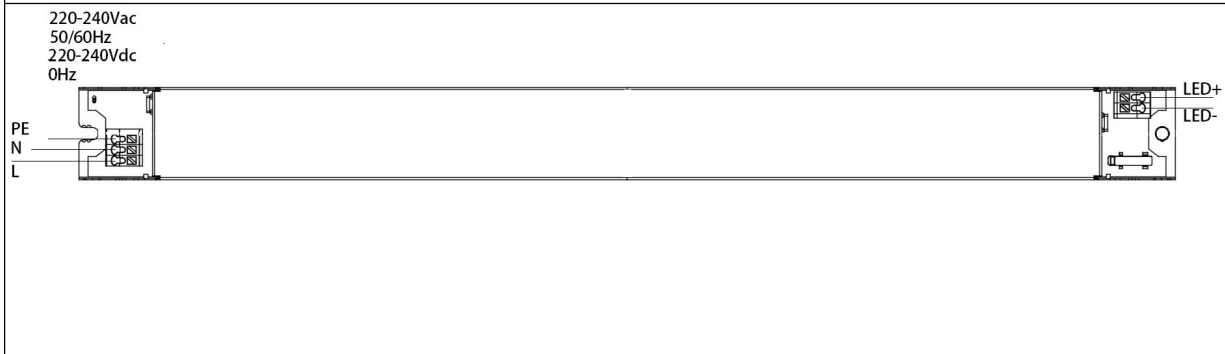
ENEC+ CE+EL+ RED		CCC		SAA	

PHYSICAL DIMENSIONS	
Length (L):	278 mm
Width (W):	30 mm
Height (H):	21 mm

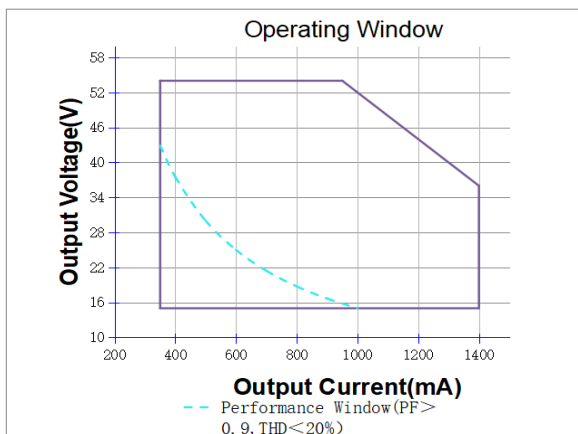
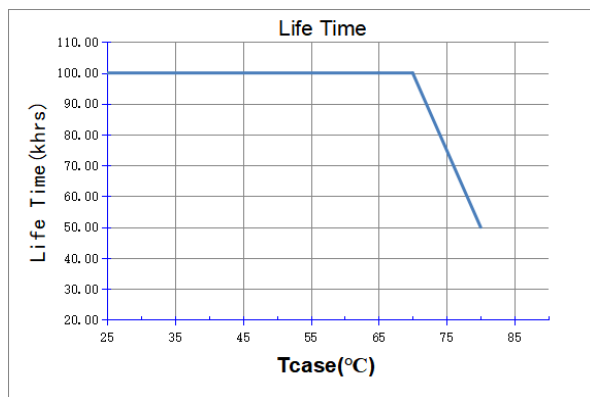
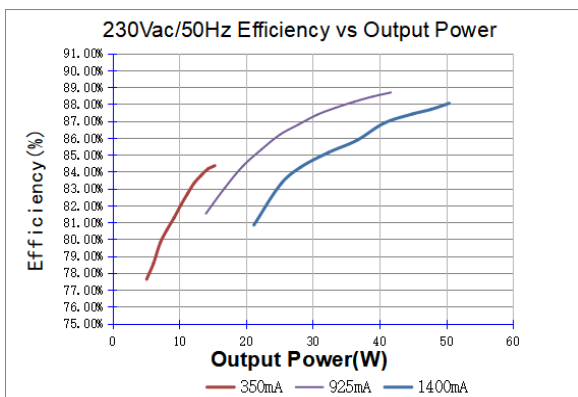
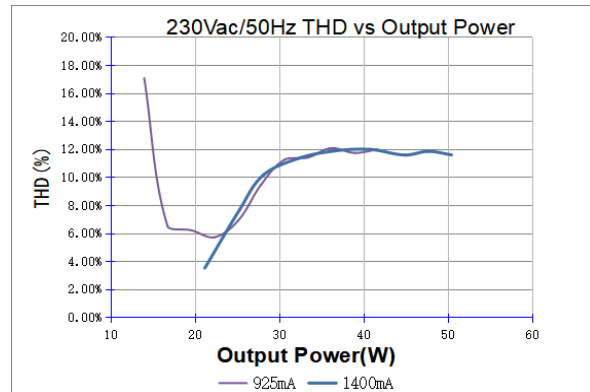
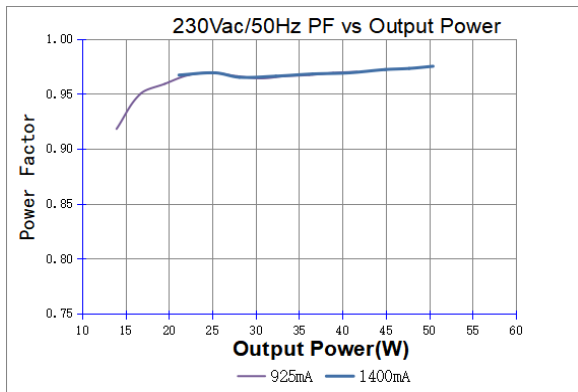
PACKAGING	
0.210kg / unit	56 pcs / carton
Carton size:	375 x 325 x 185 mm
Carton weight:	12.3 kg



- WIRING DIAGRAM**
1. All connections must be as short as possible to ensure good EMI performance.
  2. The lamp wire should keep a certain distance from the LED power supply and other wires (5-10 cm is preferred).
  3. No secondary switches are allowed
  4. Incorrect wiring can damage LED.
  5. The wire must be well protected against short circuit.



**TECHNICAL INFORMATION**



It's important to set output current (AOC value) according to LEDs voltage, make sure the power is within 50W +5%

Example of AOC settings

V_LED (Vdc)	AOC_max	P_out (W)
54	925mA	50
50	1000mA	50
42	1190mA	50
36	1400mA	50

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