

ID LCCB 100/230/900-2200 DALI NFC FV1

Built-in isolated adjustable power LED driver
Support DALI-2, Push Dimming
NFC control adjusts the current
Flicker free LED driver
Output current 900-2200mA
Max. output power 100W
Constant lumen output(CLO)
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 ... 276 Vdc	
Rated frequency range:	0 / 50 / 60 Hz	
Max. input current:	0.55A @ 230 Vac	
Total harmonic distortion (max.):	≤ 20 % at rated input voltage range @ full load	
Output current tolerance:	± 5 % at rated input voltage range	
No load output voltage:	≤60Vdc	
Ripple output current:	≤ 5%	
Standby power consumption:	≤ 0.3W	
Output PST:	≤1 at full load @ rated input voltage	
Output SVM:	≤0.4 at full load @ rated input voltage	
Dimming:	Dimming mode:	DALI-2, Push Dimming
	Dimming method:	amplitude dimming
	Dimming current range:	1%~100%
Set output current:	NFC control adjusts the current; 900-2200mA	
Default current:	2200mA	
Withstand voltage:	I/P-O/P:3.75KVac, <5mA 60S, I/P-DA:1.5KVac, <5mA 60S; I/P-FG:1.5KVac, <5mA 60S, O/P-DA:1.5KVac, <5mA 60S; O/P-FG:1.5KVac, <5mA 60S; DA-FG:1.5KVac, <5mA 60S	
Mains surge immunity:	L-N:1kV, L/N-FG:2kV	
Connection terminal type:	0° push in terminal	
Noise level:	<20dB, at full load @100cm distance	
Wire cross section:	Input and output wire: 0.5 - 1.5 mm ²	
Wire stripping length:	8-9mm	



Protection:	Over voltage protection:The output voltage is less than or equal to 60V
	Over power protection: The output power is less than or equal to 115W
	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:	<p>1.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.</p> <p>2.For Push-dim function:Please follow up our instruction which can be downloaded from https://pro6e7b4a-pic48.websiteonline.cn/upload/CupowerPushDimManualV7042022.pdf</p>
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ENVIRONMENTAL SPECIFICATIONS

Operating temperature:	-20 to 50°C
Storage temperature:	-40 to 80°C
Working humidity:	10 % to 90 %
Store humidity:	5 % to 90 %
Driver lifetime:	at tc=85°C: 50,000 hrs; at tc=75°C: 100,000 hrs @230Vac
Maximum Tc temperature:	85°C

PRODUCT SPECIFICATIONS

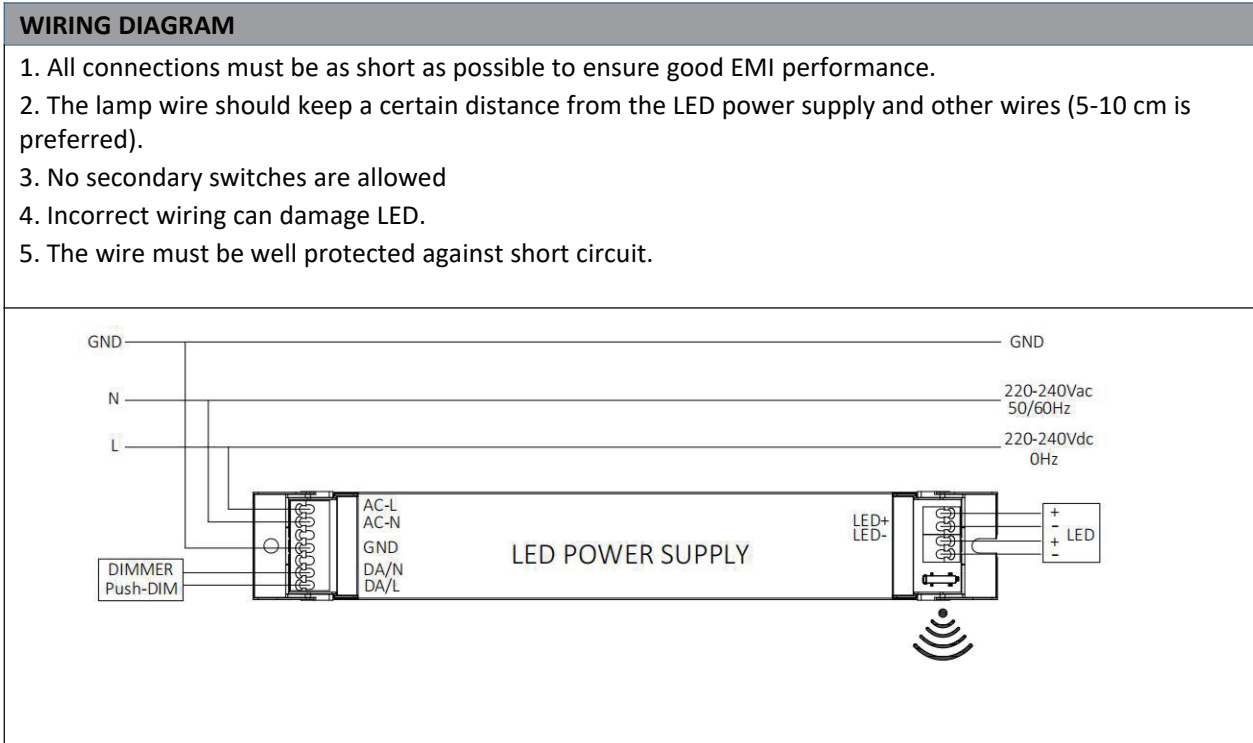
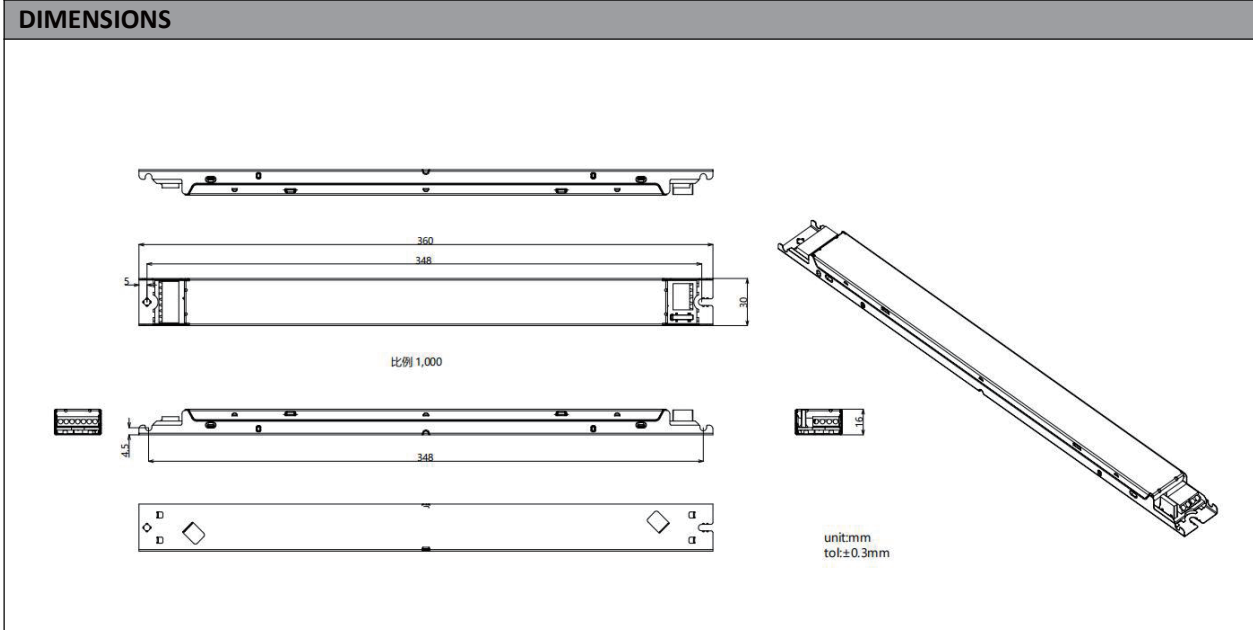
Model Number (Full Model)	Output Current	Input Voltage	Output Voltage	Efficiency @full load	Current Accuracy	Power Factor	Dimension L*W*H (mm)
ID LCCB 100/230/900-2200 DALI NFC FV1	900mA	220-240Vac	15-54Vdc	87%	±5%	≥0.9	405*29.5*16 (mm)
	1200mA		15-54Vdc	88.5%			
	1800mA	220-240Vac	15-54Vdc	90.5%			
	2200mA	15-45Vdc	90.5%				

SAFETY AND EMC COMPLIANCE

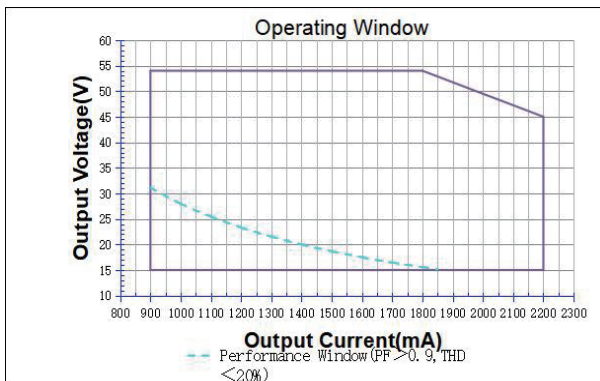
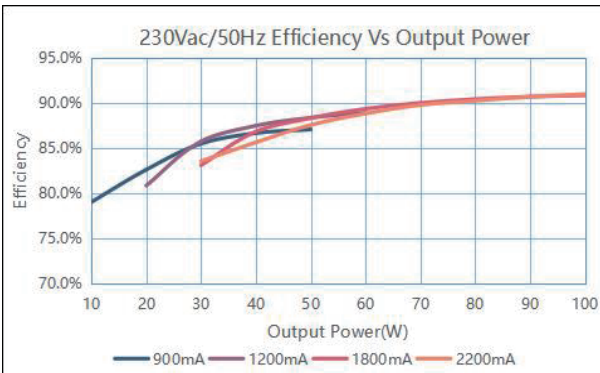
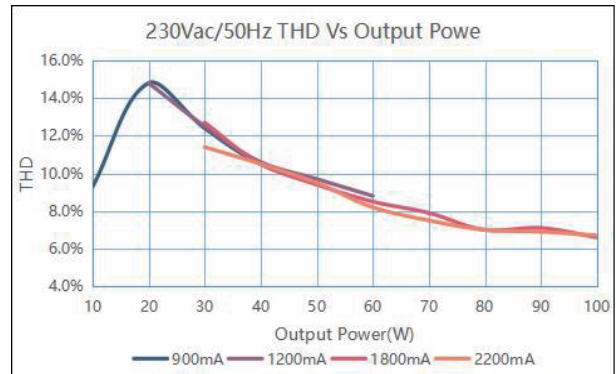
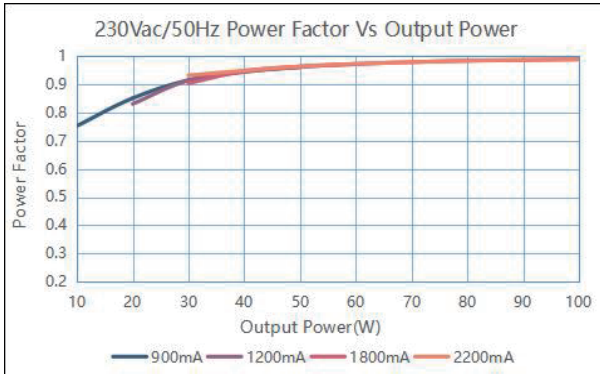
ENEC+ CE	EN 61347-1:2015/A2021	CCC		SAA	
	EN 61347-2-13:2014/A1:2017				
	EN IEC 62384:2020				

PHYSICAL DIMENSIONS	
Length (L):	405(mm)
Width (W):	29.5(mm)
Height (H):	16(mm)

PACKAGING	
0.267kg / unit	50pcs / carton
Carton size:	422x310x115mm
Carton weight:	14 kg



TECHNICAL INFORMATION



It's important to set output current (AOC value) according to LEDs voltage, make sure the power is within 100W +5%

Example of AOC settings

V_LED (Vdc)	AOC_max	P_out (W)
54	900mA	50
54	1200mA	60
54	1800mA	100
45	2200mA	100

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