

ID LCCB 35/230/100-850 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 100-850mA
Max. output power 35W
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:	0.21A @ 230 Vac				
Total harmonic distortion (max.):	≤ 20 % at rated input voltage range @ full load				
MCB Loading Quantity:	Inrush current Ipeak: 4.93A		Inrush current Twidth: 38.5us		
	MCB Type:	B10	C10	B16	C16
	Qty (PCS)	21	21	34	34
Output current tolerance:	± 5 % at rated input voltage range				
No load output voltage:	≤59 Vdc				
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; 100-850mA				
Default current:	850mA				
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 59V
	Over power protection: The output power is less than or equal to 38.5W
	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>
	-20 to 50°C
Storage temperature:	-40 to 80°C
Working humidity:	10 % to 90 %
Store humidity:	5 % to 90 %
Driver lifetime:	at tc=80°C: 50,000 hrs; at tc=70°C: 100,000 hrs @230Vac
Maximum Tc temperature:	80°C

PRODUCT SPECIFICATIONS

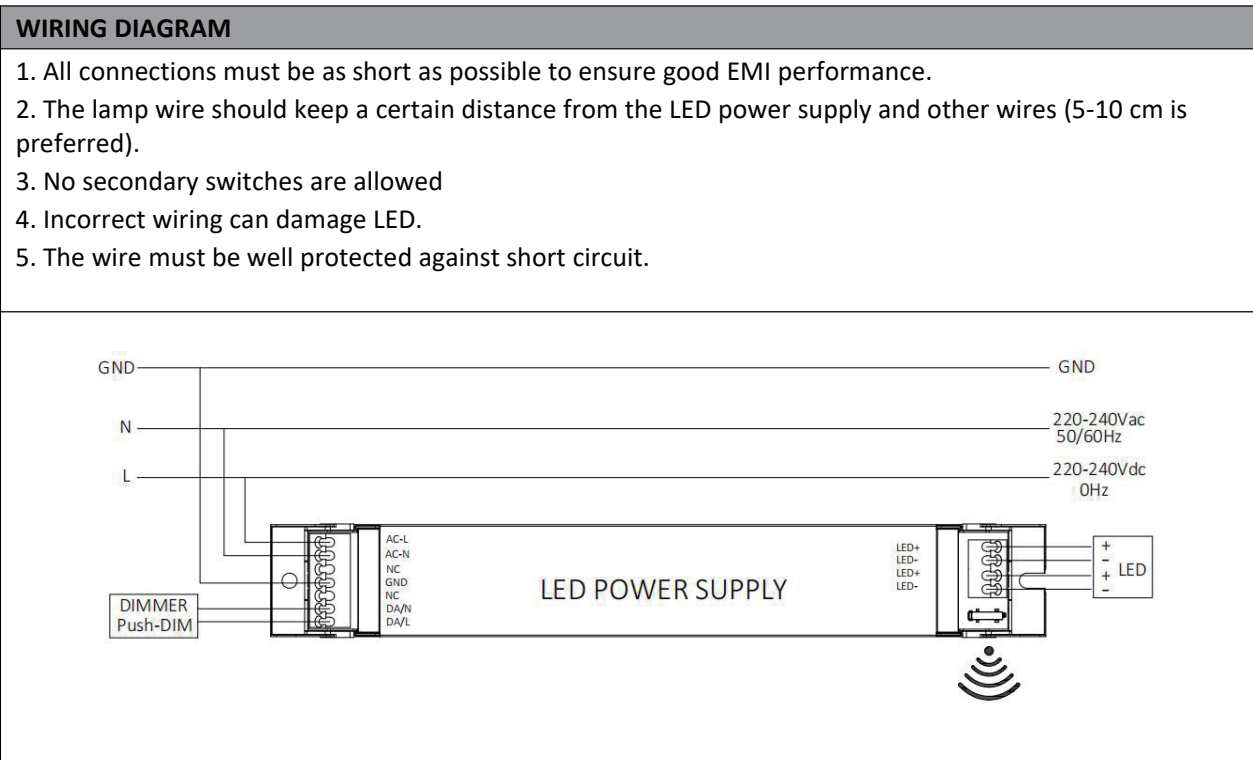
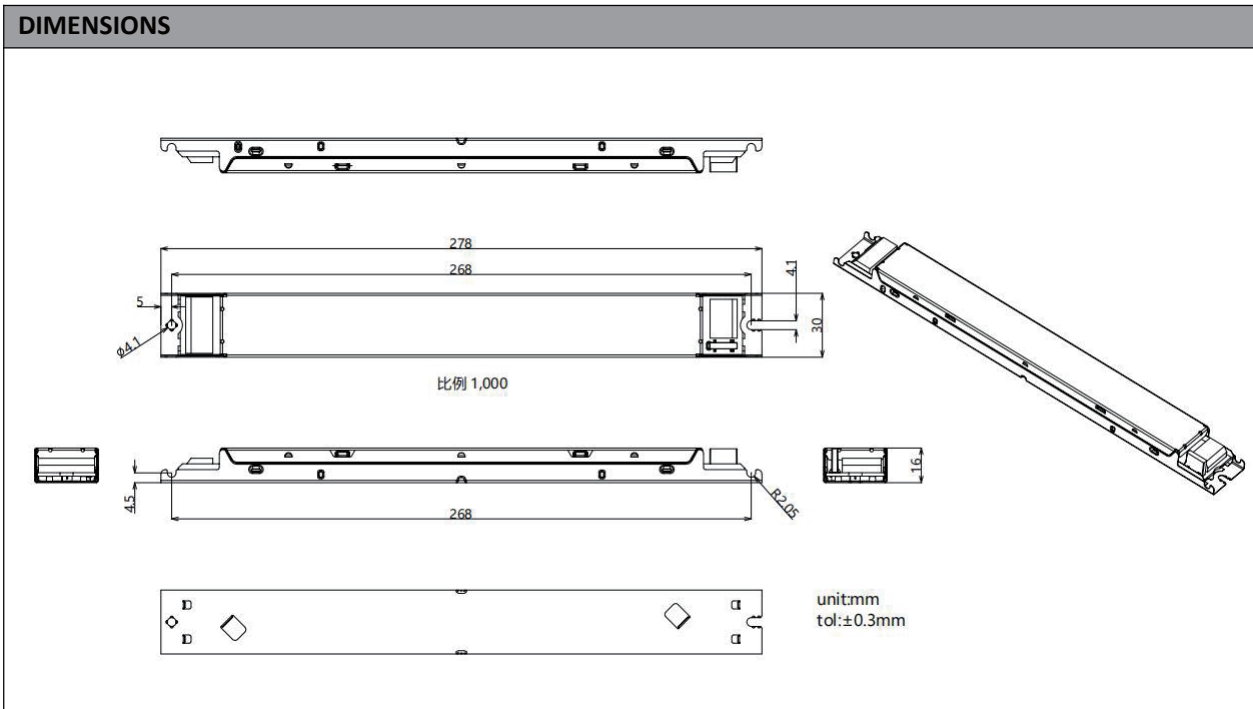
Model Number (Full Model)	Output Current	Input Voltage	Output Voltage	Efficiency @full load	Current Accuracy	Power Factor	Dimension L*W*H (mm)
ID LCCB 35/230/100-850 DALI NFC FV1	100mA	220-240Vac	15-54Vdc	82%	±5%	≥0.9	278*30*16(mm)
	350mA		15-54Vdc	87%			
	650mA		15-54Vdc	88%			
	850mA		15-41.2Vdc	87%			

SAFETY AND EMC COMPLIANCE

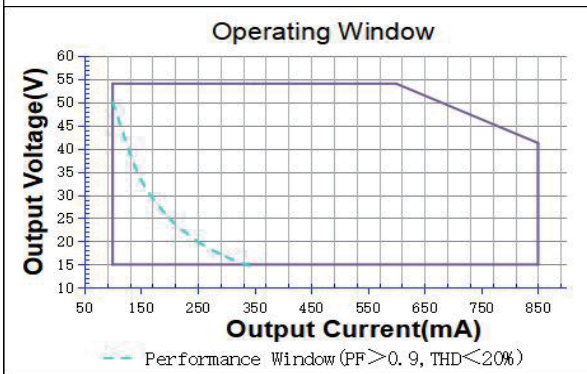
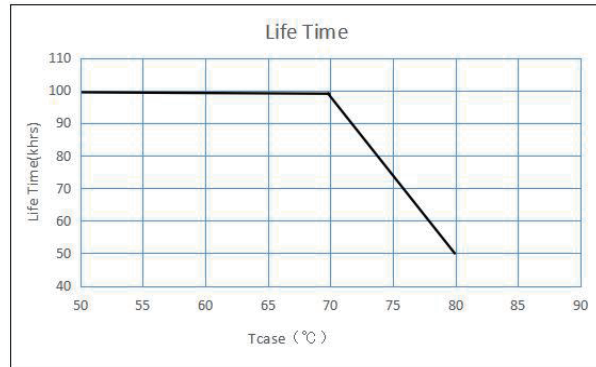
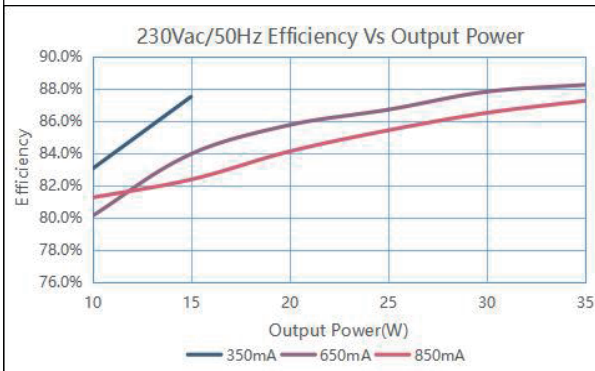
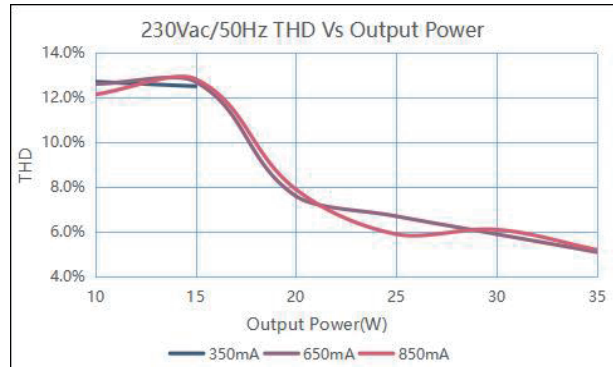
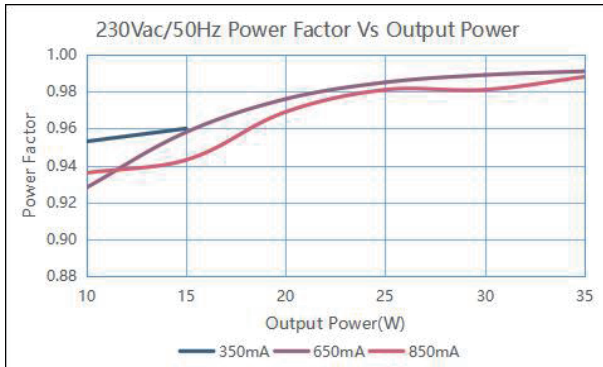
ENEC+ CE	EN 61347-1:2015/A2021	CCC		SAA	
	EN 61347-2-13:2014/A1:2017				
	EN IEC 62384:2020				

PHYSICAL DIMENSIONS	
Length (L):	278(mm)
Width (W):	30(mm)
Height (H):	16(mm)

PACKAGING	
0.165 kg / unit	50pcs / carton
Carton size:	312x293x154mm
Carton weight:	8.9kg



TECHNICAL INFORMATION



It's important to set output current (AOC value) according to LEDs voltage, make sure the power is within 35W +5%

Example of AOC settings

V_LED (Vdc)	AOC_max	P_out (W)
54	100mA	5
54	350mA	15
54	650mA	35
41.2	850mA	35

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