

ID LCCB 75/230/700-2000 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 700-2000mA
Max. output power 75W
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:	0.43A @ 230 Vac				
Total harmonic distortion (max.):	≤ 20 % at rated input voltage range @ full load				
MCB Loading Quantity:	Inrush current Ipeak: 8.5A		Inrush current Twidth: 57.5us		
	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:	≤59Vdc				
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; 700-2000mA				
Default current:	2000mA				
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 82.5W
	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>
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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=90°C: 50,000 hrs; at tc=80°C: 100,000 hrs @230Vac
Maximum Tc temperature:	90°C

PRODUCT SPECIFICATIONS

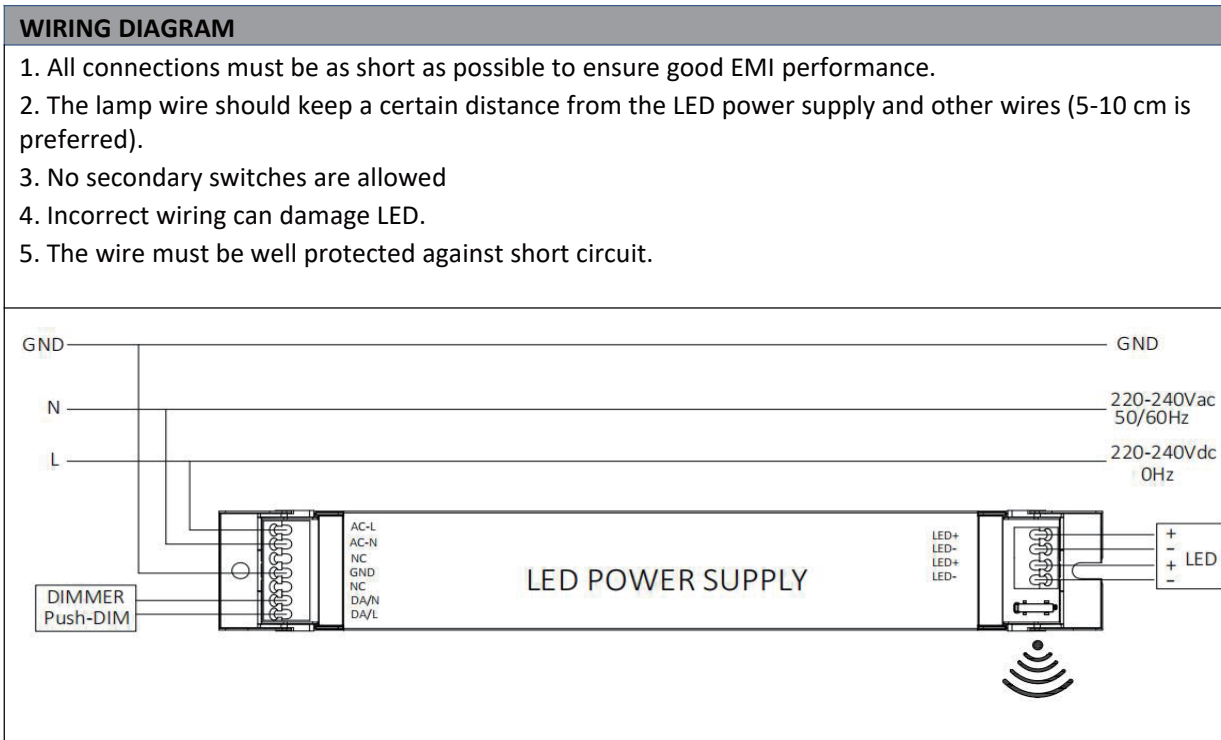
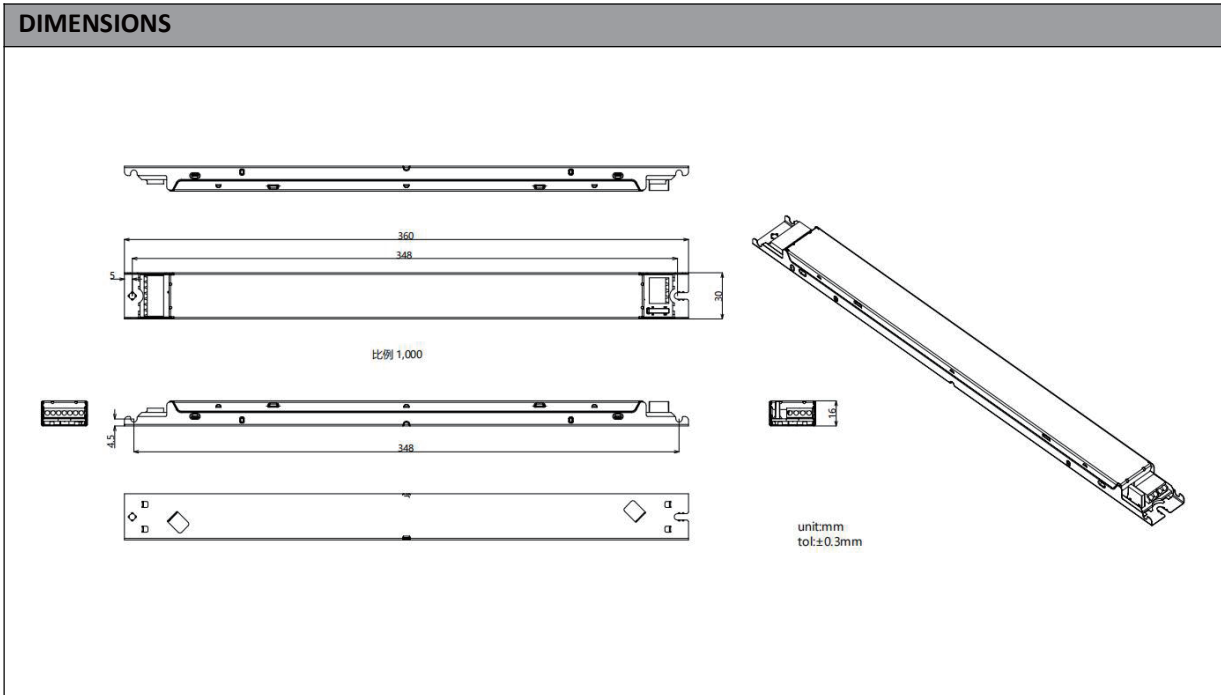
Model Number (Full Model)	Output Current	Input Voltage	Output Voltage	Efficiency @full load	Current Accuracy	Power Factor	Dimension L*W*H (mm)
ID LCCB 75/230/700-2000 DALI NFC FV1	700mA	220-240Vac	15-54Vdc	90%	±5%	≥0.9	360*30*16(mm)
	1400mA	220-240Vac	15-54Vdc	90.5%			
	1700mA		15-44.1Vdc	90%			
	2000mA		15-38Vdc	89%			

SAFETY AND EMC COMPLIANCE

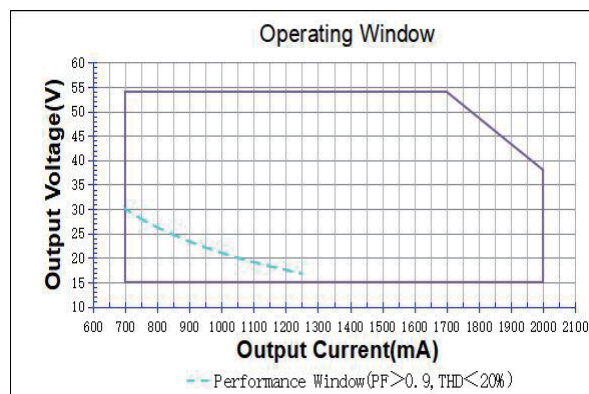
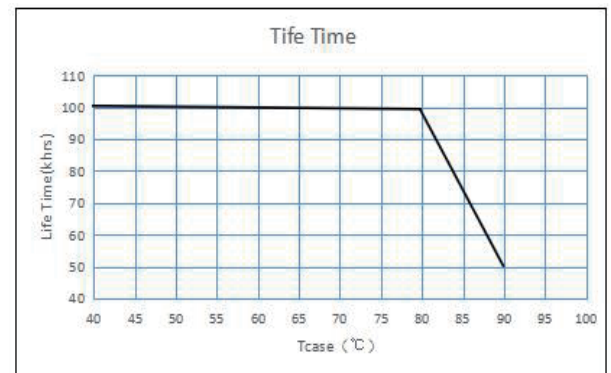
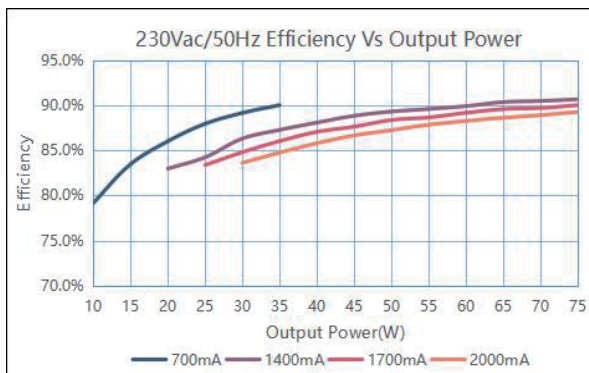
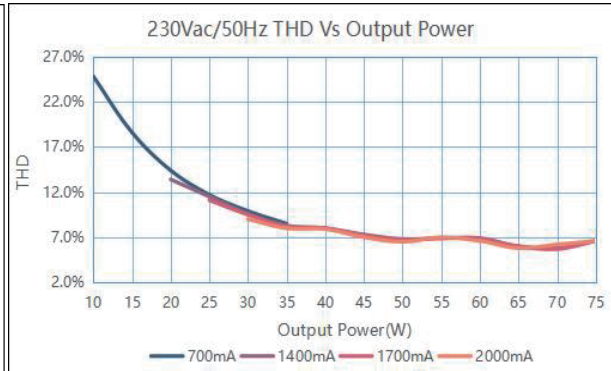
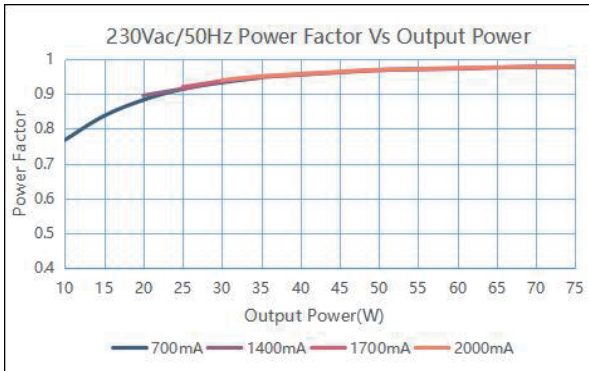
ENEC+ CE	EN 61347-1:2015/A2021	CCC		SAA	
	EN 61347-2-13:2014/A1:2017				
	EN IEC 62384:2020				

PHYSICAL DIMENSIONS	
Length (L):	360(mm)
Width (W):	30(mm)
Height (H):	16(mm)

PACKAGING	
0.2355 kg / unit	50pcs / carton
Carton size:	377x310x115mm
Carton weight:	12.45 kg



TECHNICAL INFORMATION



It's important to set output current (AOC value) according to LEDs voltage, make sure the power is within 75W +5%

Example of AOC settings

V_LED (Vdc)	AOC_max	P_out (W)
54	700mA	38
54	1400mA	75
44.1	1700mA	75
38	2000mA	75

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