

## ID LCCB 75/230/050-400 B NFC FV1 MM

Mymesh dimming adjustable power LED driver

Flicker free LED driver

NFC control adjusts the current

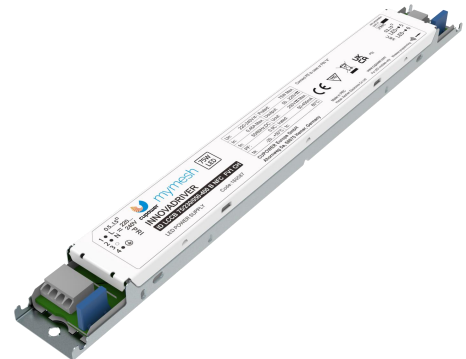
Output current 50-400mA

Max. output power 75W

Constant lumen output(CLO)

For luminaires 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:	0.46A @ 230 Vac				
Total harmonic distortion (max.):	≤ 15 % at rated input voltage range @ full load				
MCB Loading Quantity:	Inrush current Ipeak:	22A	Inrush current Twidth:		220μs
	MCB Type :	B10	C10	B16	C16
	Qty (PCS):	22	22	35	35
Output current tolerance:	± 5 % at rated input voltage range @ rated load				
No load output voltage:	≤ 250Vdc				
Output ripple current (100Hz):	≤ 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				
Set output current:	NFC adjusts the current: 50-400mA				
Default current:	50mA				
Withstand voltage:	I/P-FG:1.5kVac, <5mA 60 sec				
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 wire:0.5-1.5mm <sup>2</sup> ; Output wire:0.2-1.5mm <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 250V
	Over power protection: The output power is less than or equal to 85W
	Short circuit protection: Hiccup mode. Protection device will trigger when short circuit and will auto recover after the fault mode is removed

Installation instruction	<ul style="list-style-type: none"> <li>• Install the LED driver in the direct neighborhood of other Mymesh products.</li> <li>• The LED driver contains an antenna for wireless communication with other Mymesh products. Operation of the antenna should not be disrupted. <ul style="list-style-type: none"> <li>○ Do not mount the LED driver inside a metal housing or directly next to a large metal object.</li> <li>○ Some glass and plastic materials influence the operation of an antenna.</li> <li>○ Contact Mymesh in case of doubt via: <a href="https://mymesh.nl/contact/">https://mymesh.nl/contact/</a>.</li> </ul> </li> </ul>
Mymesh configuration	<ul style="list-style-type: none"> <li>• Mymesh is a unique, fully wireless control system. For more information about Mymesh: <a href="https://mymesh.nl/">https://mymesh.nl/</a></li> <li>• The LED driver is Mymesh Smart Ready.</li> <li>• When the LED driver is powered, the connected lamp goes on.</li> <li>• The Mymesh software licence is delivered separately to the client and activated during commissioning of the Mymesh solution.</li> <li>• The LED driver is compatible to work with Mymesh enabled equipment.</li> <li>• The LED driver is configurable via the Mymesh app and management system.</li> </ul>

#### 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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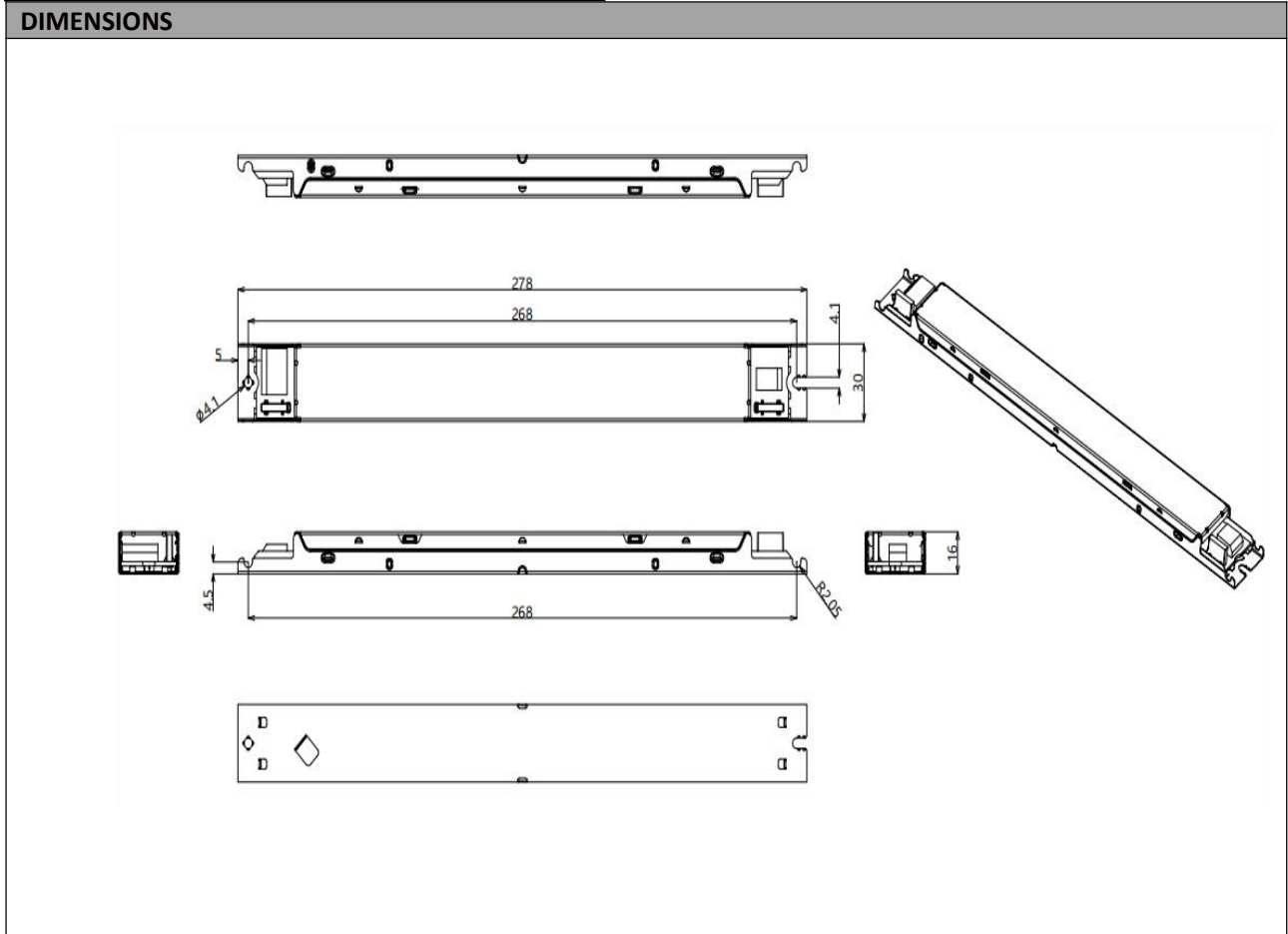
ENVIRONMENTAL SPECIFICATIONS	
Operating temperature:	-20 to 50°C
Storage temperature:	-25 to 85°C
Working humidity:	10 % to 90 %
Store humidity:	5 % to 90 %
Driver lifetime:	at $t_c \leq 80^\circ\text{C}$ : 50,000 hrs; at $t_c \leq 70^\circ\text{C}$ : 100,000 hrs @230Vac
Maximum Tc temperature:	80°C

PRODUCT SPECIFICATIONS							
Model Number (Full Model)	Output Current	Input Voltage	Output Voltage	Efficiency @full load	Current Accuracy	PF @ full load	Dimension L*W*H (mm)
ID LCCB 75/230/050-400 B NFC FV1 MM	50mA	220-240Vac 220-240Vdc	50-220Vdc	86%	±5%	≥0.9	L278*W30*H16
	150mA		50-220Vdc	91%			
	300mA		50-220Vdc	92%			
	400mA		50-187.5Vdc	92%			

SAFETY AND EMC COMPLIANCE					
ENEC +CE	/	CCC	/	SAA	/
	/		/		/
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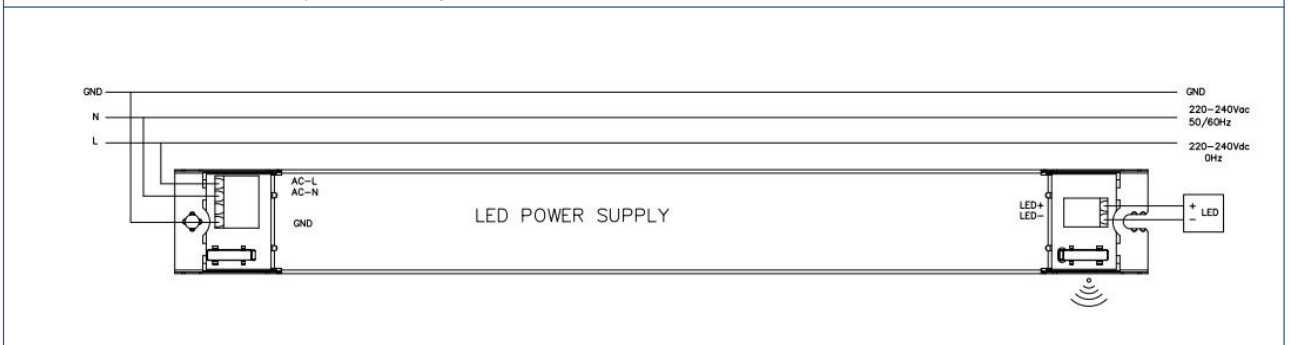
PHYSICAL DIMENSIONS	
Length (L):	278 mm
Width (W):	30mm
Height (H):	16mm

PACKAGING	
0.177 kg / unit	20 pcs / carton
Carton size:	299x 128x 103mm
Carton weight:	4.5 kg

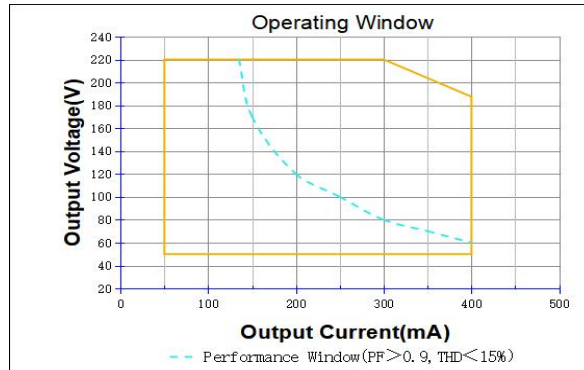
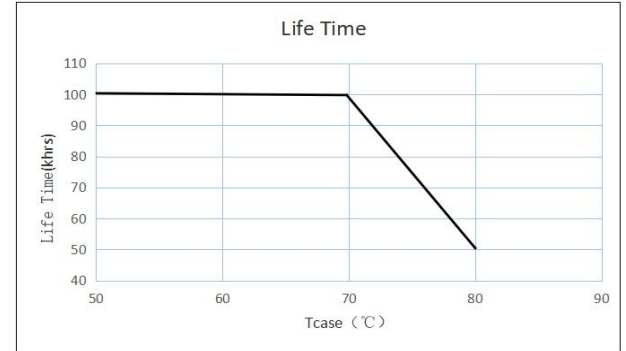
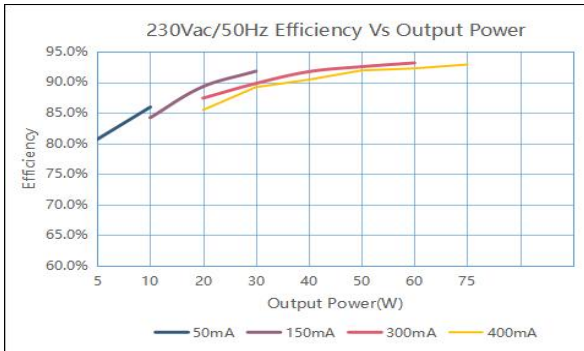
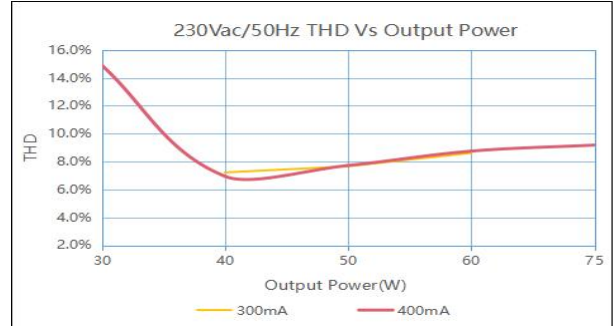


**WIRING DIAGRAM**

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. Incorrect wiring can damage LED.
4. 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 75W +5 %

Example of AOC settings

V_LED (Vdc)	AOC_max	P_out (W)
220.0	50mA	11
220.0	150mA	33
220.0	300mA	66
187.5	400mA	75

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