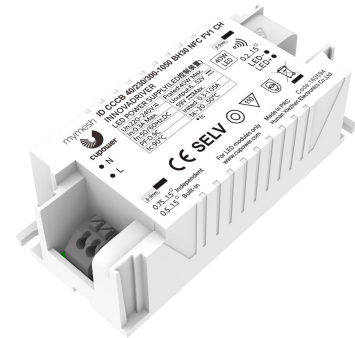


ID CCCB 40/230/300-1050 BH30 NFC FV1 MM

Mymesh dimming adjustable power LED driver
Flicker free LED driver
NFC control adjusts the current
Output current: 300-1050mA
Max. output power : 40W
Constant lumen output(CLO)
For luminaires of protection class I,II
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:	0.3A @ 230 Vac				
Total harmonic distortion (max.):	≤ 15 % at rated input voltage range @ full load				
MCB Loading Quantity:	Inrush current Ipeak:	5.24A	Inrush current Twidth:	48.0us	
	MCB Type :	B10	C10	B16	C16
	Qty(pcs):	38	38	61	61
Output current tolerance:	± 5 % at rated input voltage range				
No-load output voltage:	≤ 59Vdc				
Output ripple current (100Hz):	≤ 5%				
Standby power consumption:	≤ 0.5W				
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: 300-10500mA				
Maximum output current :	1050mA				
Withstand voltage:	I/P-O/P:3.75kVac, < 5mA 60 sec				
Mains surge immunity:	L-N:1kV, L/N-FG:2kV				
Connection terminal type:	45° push in terminal				
Noise level:	<20dB,at full load @100cm distance				
Wire cross section:	Input wire:0.5-1.5mm ² ; Output wire:0.2-1.5mm ² ;				
Wire stripping length:	8-9mm				
Protection rating:	IP 20				

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 44W
	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"> • Install the LED driver in the direct neighborhood of other Mymesh products. • 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"> ○ Do not mount the LED driver inside a metal housing or directly next to a large metal object. ○ Some glass and plastic materials influence the operation of an antenna. ○ Contact Mymesh in case of doubt via: https://mymesh.nl/contact/.
Mymesh configuration	<ul style="list-style-type: none"> • Mymesh is a unique, fully wireless control system. For more information about Mymesh: https://mymesh.nl/ • The LED driver is Mymesh Smart Ready. • When the LED driver is powered, the connected lamp goes on. • The Mymesh software licence is delivered separately to the client and activated during commissioning of the Mymesh solution. • The LED driver is compatible to work with Mymesh enabled equipment. • The LED driver is configurable via the Mymesh app and management system.

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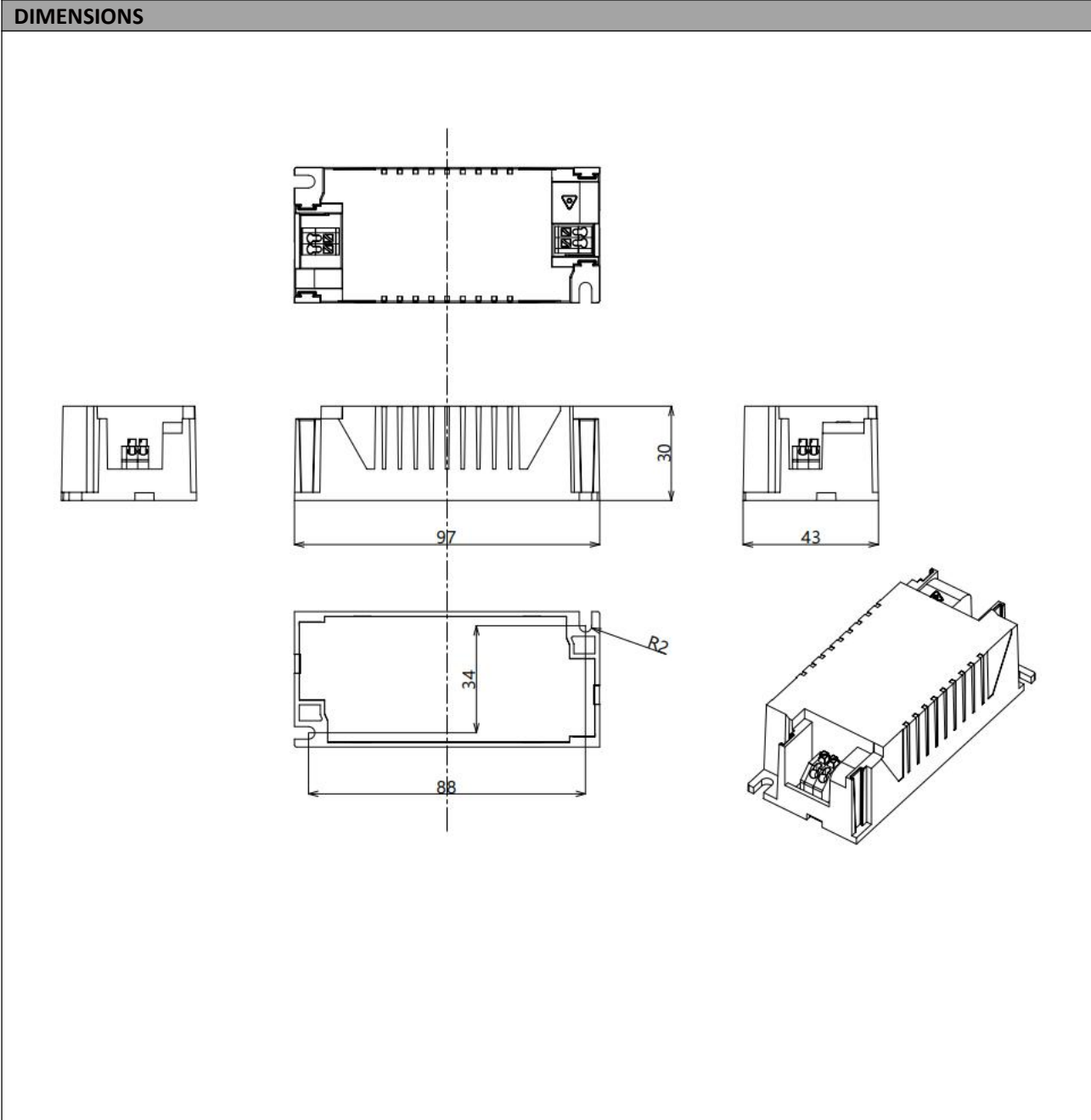
ENVIRONMENTAL SPECIFICATIONS	
Operating temperature:	-20 to 50°C
Storage temperature:	-25 to 85°C
Working humidity:	10 % to 90 %
Store humidity:	5 % to 90 %
Driver lifetime:	at $t_c \leq 90^\circ\text{C}$: 50,000 hrs; at $t_c \leq 80^\circ\text{C}$: 100,000 hrs @230Vac
Maximum Tc temperature:	90°C

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 CCCB 40/230/300-1050 BH30 NFC FV1	300mA	220-240Vac 220-240Vdc	6-52Vdc	88.0%	±5%	≥0.9	L97*W43*H30 (mm)
	500mA		6-52Vdc	88.0%			
	750mA		6-52vdc	89.5%			
	1050mA		6-38.1vdc	89.0%			

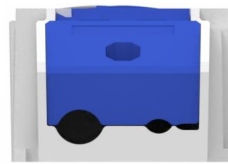
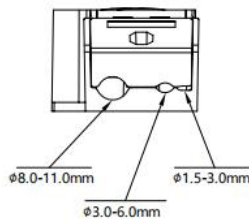
SAFETY AND EMC COMPLIANCE					
ENEC +CE	/	CCC	/	SAA	/
	/		/		/
	/		/		/
	/		/		/
	/		/		/

PHYSICAL DIMENSIONS	
Length (L):	97 mm
Width (W):	43mm
Height (H):	30mm

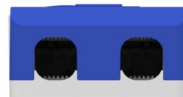
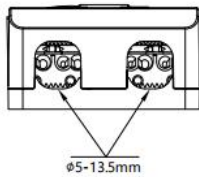
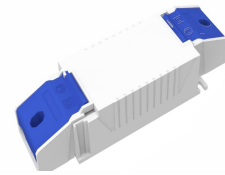
PACKAGING	
0.11kg / unit	24 pcs / carton
Carton size:	212x 137x 139mm
Carton weight:	3.8kg



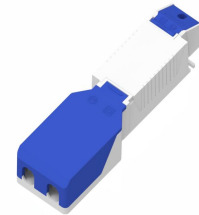
OPTIONAL ACCESSORIES



XZ-ID-C



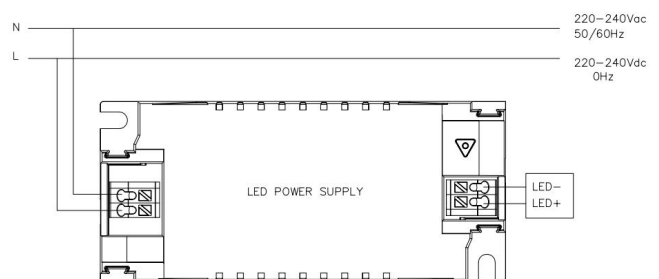
XZ-ID-LOOP-A



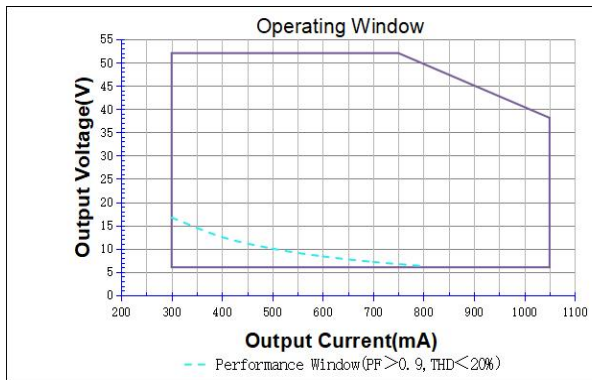
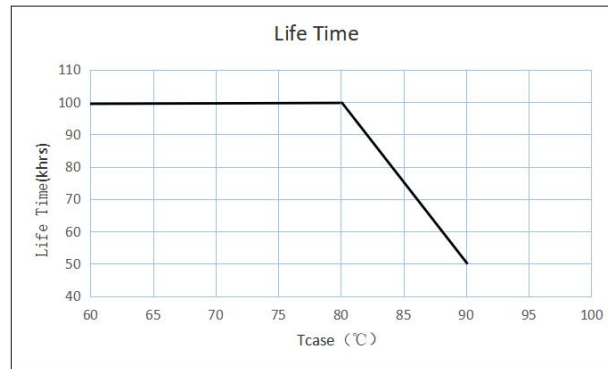
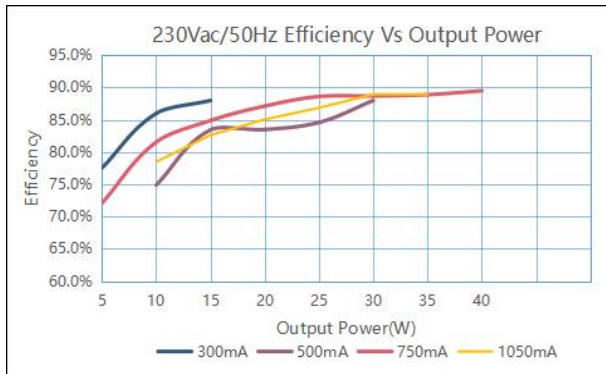
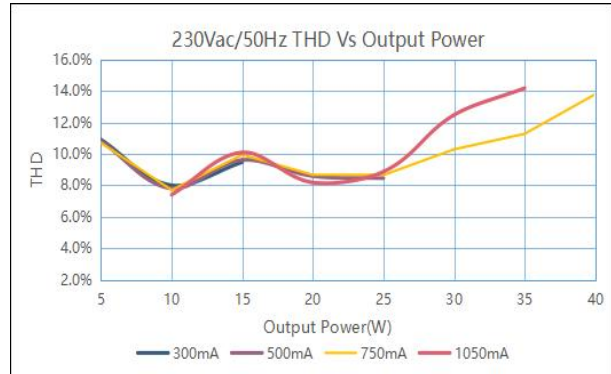
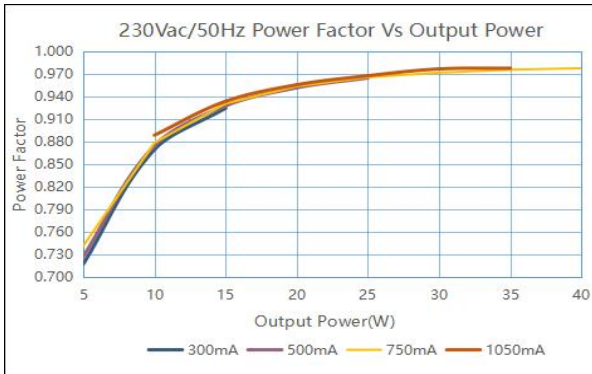
Dimensions(mm)	Length	Width	Height
XZ-ID-A	38	34	30
XZ-ID-LOOP-A	113.4	57.2	30
Driver Incl:2*XZ-ID-A	143	43	30
Driver Incl:1*XZ-ID-A,1*XZ-ID-LOOP-A	218.6	57.2	30

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 40W +5%

Example of AOC settings

V_LED (Vdc)	AOC_max	P_out (W)
52.0	300mA	15.6
52.0	500mA	26
52.0	750mA	39
38.1	1050mA	40

Hunan Xiezhen Electronics Co., Ltd.

Tel: +86-735-2653770
Fax: +86-735-2653771

Add: Block A&B Building 11 Innovation Park Linyi Road, BaiLutang Town Suxian District, Chenzhou, Hunan, China.

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