ID LCCB 75/230/200-400 1-10V FV2

Art. 160624

Product features

- Built-in non isolated adjustable power LED driver
- Supports 1-10 V Dimming
- Current adjustment via Dip
- Max. output power 75 W
- DC emergency
- Flicker-free, dimming range 1%...100% (amplitude dimming)
- Current output default value 100%
- For luminaires with protection class I

Product specifications

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Output current	Input voltage	Output voltage	Efficiency @full load	Current accuracy	Power factor	Dimension LxWxH (mm)
200 mA, 250 mA 350 mA, 400 mA	220…240 Vac 220…240 Vdc	50…220 Vdc	93% (@ 214 V 350 mA)	± 5%	0.9 (Output Power > 21 W @ 230 Vac 50 HZ)	278 x 30 x 21

Electrical specifications

Mains voltage supply

Rated input voltage range	220…240 Vac
Max. input voltage range	198...264 Vac
Rated frequency range	0/50/60 Hz
Max. input current	0.4 A @ 230 Vac & 0.4 A @ 230 Vdc

Battery operation

DC voltage range	220...240 Vdc
Max. DC voltage range	176…276 Vdc

Protection against voltage peaks

Withstand voltage	I/p-FG: 1.5 kVac, < 5 mA 60 sec, I/p-Dim: 1.5 kVac, < 5 mA 60 sec, Dim-FG: 1.5 kVac, < 5 mA 60 sec
Mains surge immunity	L-N 1 kV, L-FG 2 kV, N-FG 2 kV

Total harmonic distortion (THD)

At rated input voltage range @ full load	20%

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Output data	
Output current tolerance	± 5% at rated input voltage range
No load output voltage	250 Vdc
Ripple output current	5% (ripple = peak/average total 100 Hz)
Output PstLM	≤ 1 at full load @ rated input voltage
Output SVM	≤ 0.4 at full load @ rated input voltage
DC emergency level	Current output 100%

Protection functions output side	
Overvoltage protection	The output voltage is less than or equal to 250 V
Overpower protection	The output power is less than or equal to 97.5 W
Short circuit protection	Hiccup mode. Protection device will trigger when short circuit and will auto recover after the fault mode is removed.

Dimming operation and interface	
Standby power consumption	-
Dimming mode	1…10 V
Dimming method	Amplitude dimming
Dimming current range	1%...100%

Connection terminals	
Connection terminal type	0° push in terminal
Wire cross section	Input and output wire: 0.5…1.5 mm²
Wire stripping length	8…9 mm

Degree of protection	
Protection rating	IP20

Operating data	
Output current range	Dip control adjusts the current: 200 mA, 250 mA, 350 mA, 400 mA
Default current	200 mA
Output voltage range	50…220 Vdc

Circuit breaker / Inrush current

MCB loading quantity	Inrush current Ipeak: 24.3 A			Inrush current Twidth: 316 µs	
	MCB type	B10	C10	B16	C16
	Units	8	13	13	21

Supplementary instructions

- The luminaire manufacturer is responsible for measuring and verifying the 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	-25…+55°C
Storage temperature	-40…+80°C
Working humidity	10%…90%
Store humidity	5%…90%
Lifetime	at Tc 75°C: 50,000 hrs @ 230 Vac
Maximum Tc temperature	75°C

Safety & EMC compliance

ENEC+CE
EN 61347-2-13:2014/A1: 2017
EN 61347-1:2015/A1: 2021
EN 62384:2006/A1: 2009
EN 55015:2019/A11: 2020
EN 61000-3-2: 2019
EN 61000-3-3: 2013
EN 61547: 2009
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CCC
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SAA
AS/NZS IEC 61347.2.13.2013
AS/NZS 61347.1:2016
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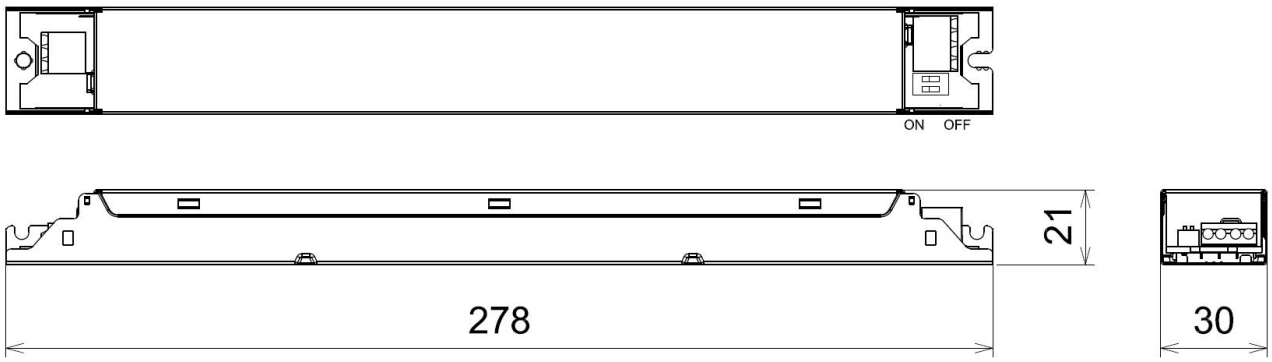
Dimensions

Housing dimensions	
Length (L)	278 mm
Width (W)	30 mm
Height (H)	21 mm
Weight	0.191 kg

Packaging details	
Packing units	56 pcs
Carton size	375 x 325 x 185 mm
Weight	11.5 kg



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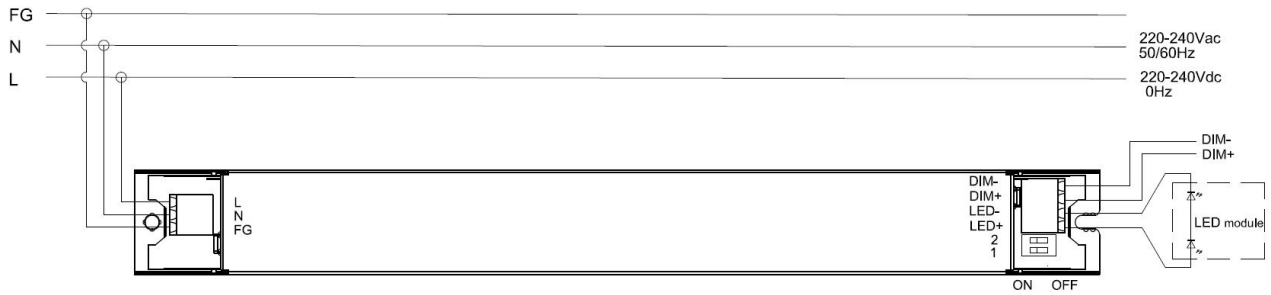
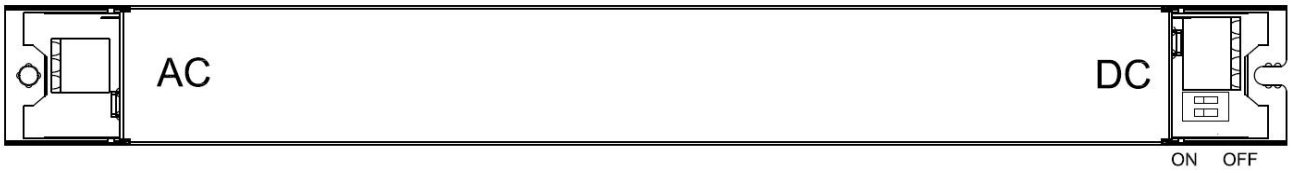
Wiring diagram



- All connections must be as short as possible to ensure good EMI performance.
- The luminaire wire should keep a certain distance from the LED power supply and other wires (5...10 cm is preferred).
- No secondary switches are allowed.
- Incorrect wiring can damage the LED.
- The wire must be well protected against short circuits.

Adjustable output current with dip-switch



Iout	1	2
200mA	OFF	OFF
250mA	OFF	ON
350mA	ON	OFF
400mA	ON	ON

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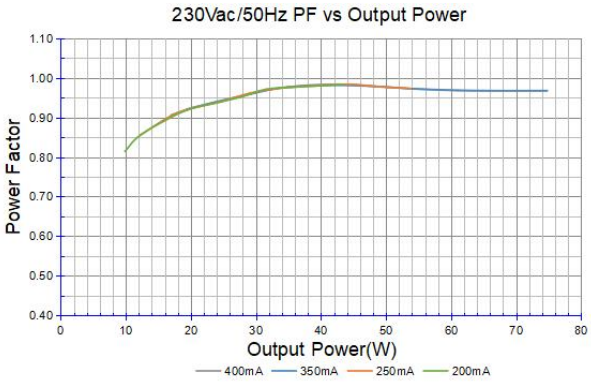
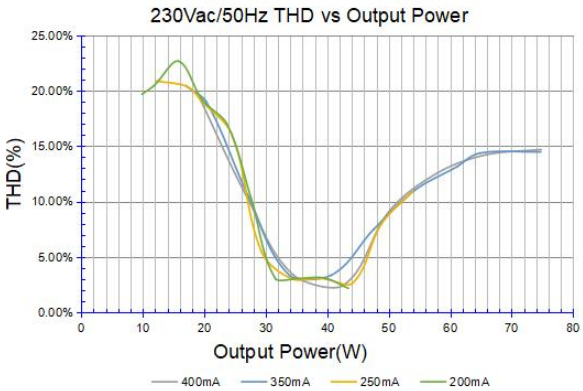
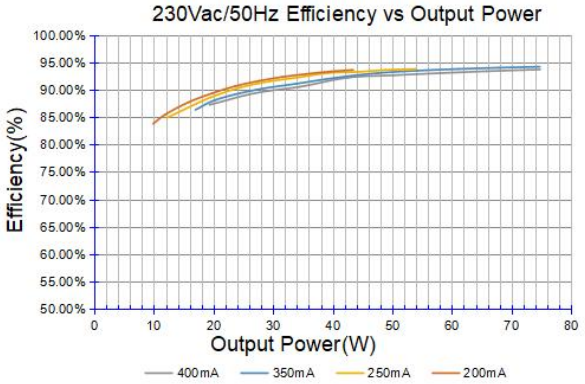
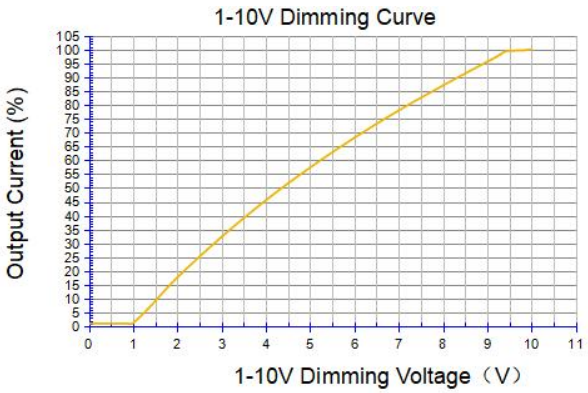
Technical information









Adjustable output current with DIP-SWITCH

Vout	Pout	Iout	1	2
50...220 Vdc	44 W	200 mA	-	-
50...220 Vdc	55 W	250 mA	-	ON
50...214 Vdc	75 W	350 mA	ON	-
50...188 Vdc	75 W	400 mA	ON	ON

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