ID ECSCI 42/230/300-1050 DIP G

Art.167197

Product features

- Built-in isolated adjustable power LED driver
- Flicker-free LED driver
- Output current 300…1050 mA by DIP switch adjust
- Max. output power 42 W
- Current output default value: 300 mA
- For luminaires with IEC protection class II
- 5 years warranty

Product specifications

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Output current	Input voltage	Output voltage	Efficiency @ full load	Current accuracy	Power factor	Dimension L x W x H (mm)
300 mA	220…240 Vac 220…240 Vdc	9…42 Vdc	87%	± 5%	0.85 C	153.5 x 31.1 x 42.2
350 mA		9…42 Vdc	88%		0.88 C	
400 mA		9…42 Vdc	88%			
450 mA		9…42 Vdc	89%		0.9 C	
500 mA		9…42 Vdc	89%			
550 mA		9…42 Vdc	89%			
600 mA		9…42 Vdc	89%		0.95	
650 mA		9…42 Vdc	89%			
700 mA		9…42 Vdc	89%			
750 mA		9…42 Vdc	89%		0.97	
800 mA		9…42 Vdc	89%			
850 mA		9…42 Vdc	89%			
900 mA		9…42 Vdc	89%		0.98	
950 mA		9…42 Vdc	89%			
1000 mA		9…42 Vdc	89%			
1050 mA		9…40 Vdc	89%			

Electrical specifications

Mains voltage supply	
Rated input voltage range	220…240 Vac; performance range
Max. input voltage range	198...264 Vac; operational safety range
Rated frequency range	0/50/60 Hz
Performance / Operational safety	47...63 Hz
Max. input current	0.22 A @ 230 Vac & 0.22 A @ 230 Vdc

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Battery operation	
DC voltage range	220...240 Vdc; performance range
Max. DC voltage range	176…280 Vdc; operational safety range

Protection against voltage peaks	
Withstand voltage	I/p-O/p 3.75 kVac, < 5 mA 60 sec
Mains surge immunity	L-N 1 kV per IEC 61000-4-5

Total harmonic distortion (THD)	
At rated input voltage range @ full load	≤ 10%

Output data	
Output current tolerance	± 5% at rated input voltage range
No load output voltage	≤ 59 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

Protection functions output side	
Overvoltage protection	The output voltage is less than or equal to 59 Vdc
Short circuit protection	Short circuit protection: Hiccup mode. Protection device will trigger when short circuit and will auto recover after the fault mode is removed

Connection terminals	
Connection terminal type	45° push in terminal
Wire cross section	Output wire: 0.5…1.5 mm²
Wire stripping length	8…9 mm

Degree of protection	
Protection rating	IP20

Operating data	
Output current range	Output current 300...1050 mA by DIP Switch adiust
Default current	300 mA
Output voltage range	9…42 Vdc
Noise level	< 20 dB, at full load @ 100 cm distance

Circuit breaker / Inrush current

MCB loading quantity	Inrush current Ipeak: 13.4 A		Inrush current Twidth: 15.1 µs		
	MCB type	B10	C10	B16	C16
	Units	40	40	63	63

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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.

nvironmental specifications

Operating temperature	-20…+35°C
Storage temperature	-25…+85°C
Working humidity	10%…90%
Store humidity	5%…95%
Lifetime	at Tc 75°C: 50,000 hrs; at Tc 65°C: 100,000 hrs; @ 230 Vac
Maximum Tc temperature	75°C

Safety & EMC compliance

ENEC+CE
EN 61347-1:2015/A1
EN 61347-2-13:2014/A1
EN 62493:2015/A1
EN IEC 62384
EN IEC 55015:2019/A11
EN IEC 61547
EN IEC 61000-3-2:2019/A1
EN61000-3-3:2013/A2

CCC

SAA+RCM
AS 61347.2.13:2018
AS/NZS 61347.1:2016

Compatible Track

Manufacturer/trademark	Model
Powergear	PRO-04XX
GLOBAL	XTS 4xxx
GLOBAL	XTSF 4xxx
A.A.G STUCCHI	9000A series
EUTRAC	25-XX-Y 26-XX-Y 19-XX-Y
Unipro	T3XXXseries
ZUMTOBEL	S280ZZZZ
IVELA	75XX-XX-XX
iGuzzini	P2XX
XAL	MOVE IT PRO series
ERCO	783XX

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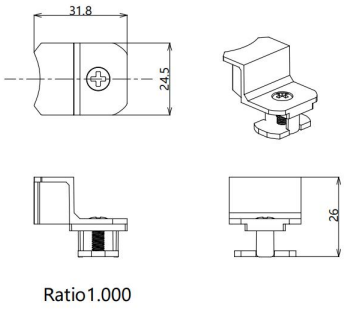
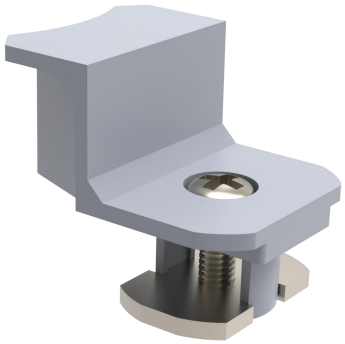
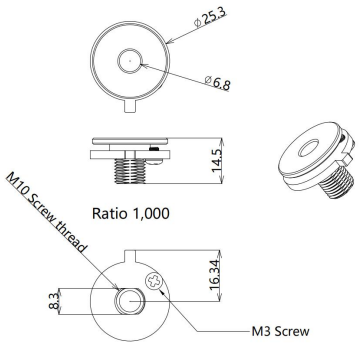
Accessories (optional)

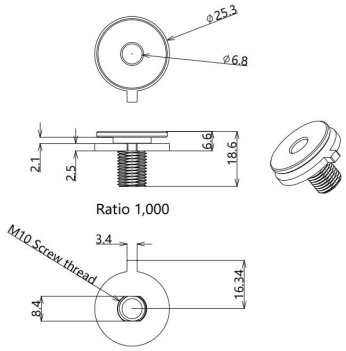




Art.	167845	XZ-TRACK-A G



Art.	167869	XZ-TRACK-A1 G



Art.	168125	XZ-TRACK-B G

Dimensions	Length (mm)	Width (mm)	Height (mm)
XZ-TRACK-A G	31.8	24.5	26
XZ-TRACK-A1 G	25.3	25.3	14.5
XZ-TRACK-B G	25.3	25.3	18.6

XZ-TRACK-A and XZ-TRACK-A1 are suitable for EL certification of complete luminaires, while XZ-TRACK-B is a standard track connector accessory.

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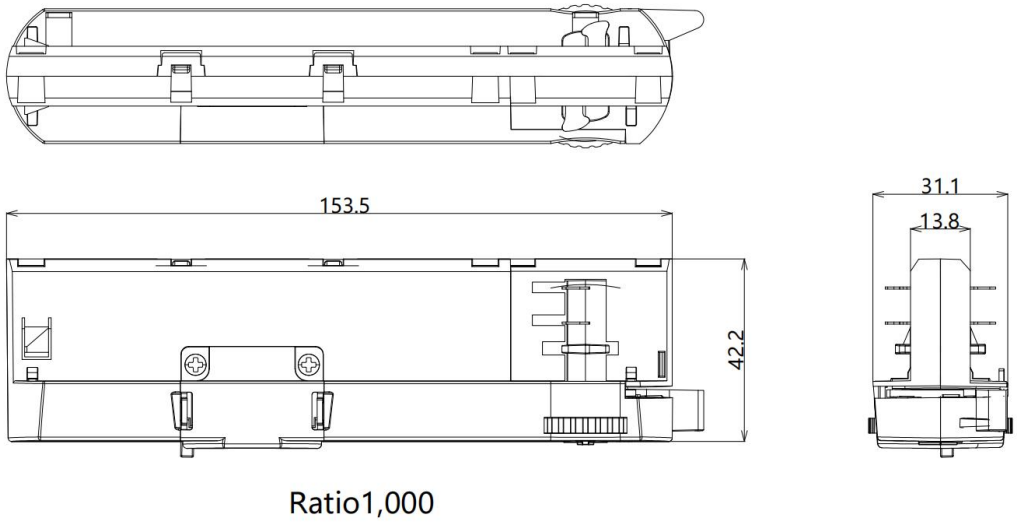
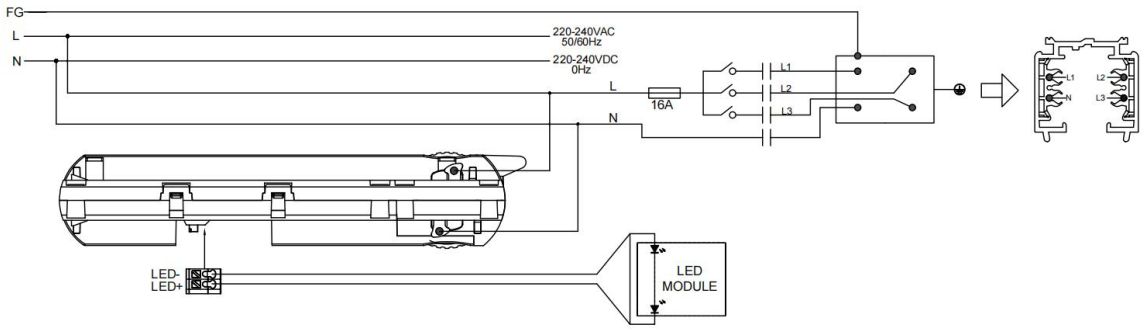
Dimensions

Housing dimensions	
Length (L)	153.5 mm
Width (W)	31.1 mm
Height (H)	42.2 mm
For all dimensions: values in mm; tolerances: ± 0.5 mm	

Packaging details	
Packing units	50 pcs
Carton size	315 x 165 x 250 mm
Carton weight	6.35 kg
Product weight	0.113 kg



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 circuit.

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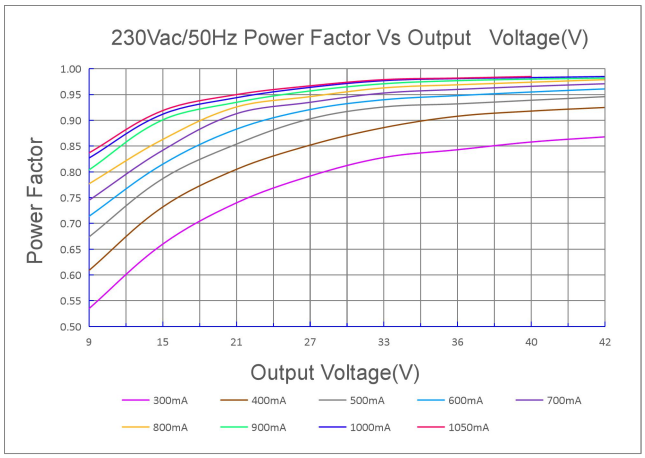
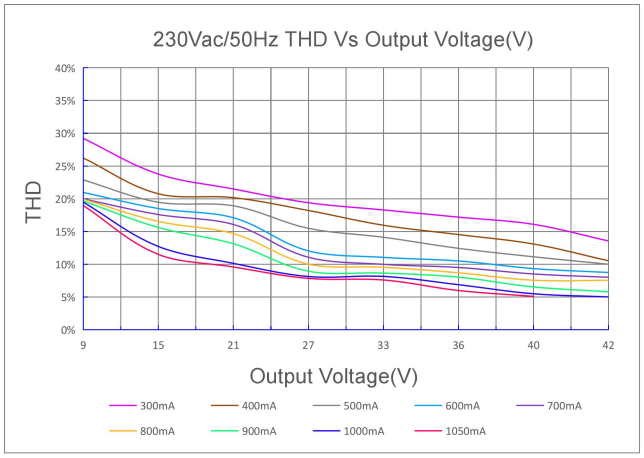
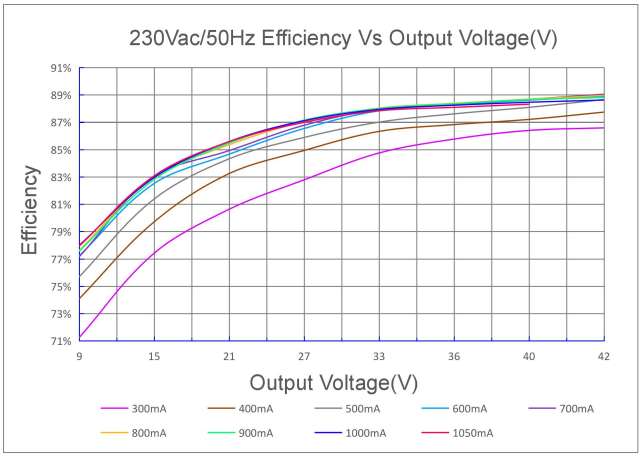
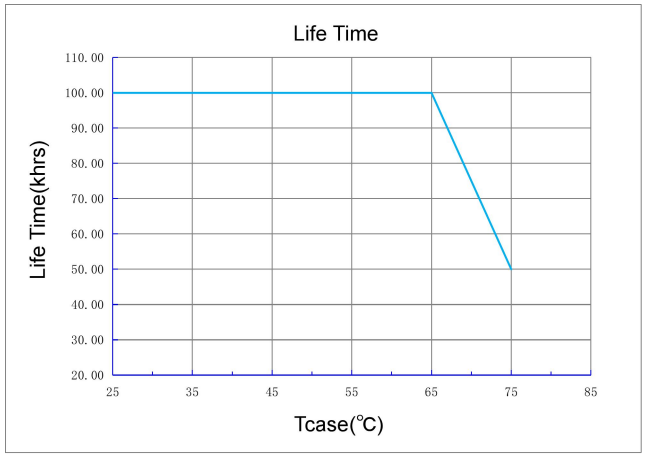
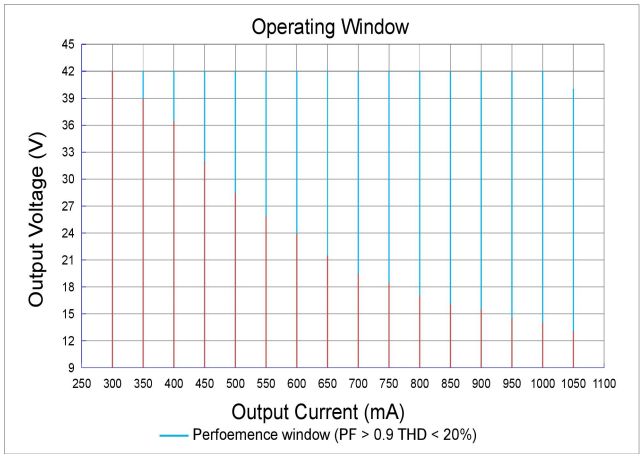
Technical information











Adjustable output current with DIP switch

Vout	Pout	Iout	1	2	3	4
9...42 Vdc	12.6 W	300 mA	-	-	-	-
9...42 Vdc	14.7 W	350 mA	-	-	-	ON
9...42 Vdc	16.8 W	400 mA	-	-	ON	-
9...42 Vdc	18.9 W	450 mA	-	-	ON	ON
9...42 Vdc	21 W	500 mA	-	ON	-	-
9...42 Vdc	23.1W	550 mA	-	ON	-	ON
9...42 Vdc	25.2 W	600 mA	-	ON	ON	-
9...42 Vdc	27.3 W	650 mA	-	ON	ON	ON
9...42 Vdc	29.4 W	700 mA	ON	-	-	-
9...42 Vdc	31.5 W	750 mA	ON	-	-	ON
9...42 Vdc	33.6 W	800 mA	ON	-	ON	-
9...42 Vdc	35.7 W	850 mA	ON	-	ON	ON
9...42 Vdc	37.8 W	900 mA	ON	ON	-	-
9...42 Vdc	39.9 W	950 mA	ON	ON	-	ON
9...42 Vdc	42 W	1000 mA	ON	ON	ON	-
9...40 Vdc	42 W	1050 mA	ON	ON	ON	ON

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