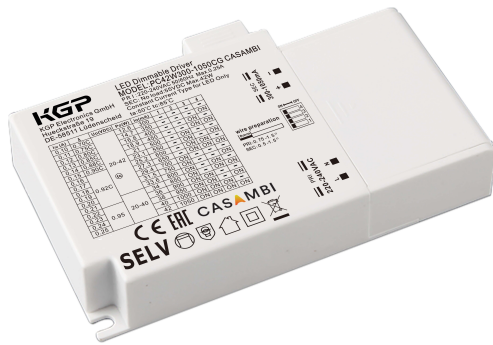




PC42W300-1050CG CASAMBI

Constant Current Dimmable Driver

Model:PC42W300-1050CG CASAMBI



Model	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage	No load Voltage
PC42W300-1050CG CASAMBI	0.10A	15W	6.0-12.6W	0.70	82%	20-42V	55V
	0.11A	18W	7.0-14.7W	0.75	82%	20-42V	55V
	0.12A	20W	8.0-16.8W	0.80	84%	20-42V	55V
	0.13A	22W	9.0-18.9W	0.85	84%	20-42V	55V
	0.14A	25W	10-21W	0.88	84%	20-42V	55V
	0.15A	28W	11-23.1W	0.90	84%	20-42V	55V
	0.16A	30W	12-25.2W	0.92	86%	20-42V	55V
	0.17A	31W	13-27.3W		86%	20-42V	55V
	0.18A	34W	14-29.4W		87%	20-42V	55V
	0.19A	36W	15-31.5W		87%	20-42V	55V
	0.20A	39W	16-33.6W		87%	20-42V	55V
	0.21A	41W	17-34.0W		87%	20-42V	55V
	0.22A	43W	18-36W	0.95	87%	20-42V	55V
	0.23A	45W	19-38W		87%	20-42V	55V
	0.24A	48W	20-40W		87%	20-42V	55V
	0.25A	50W	21-42W		87%	20-42V	55V

*** Test result @230V, 50Hz, Full Load.**

1. Parameters

category	Item	Technical Norm
Features	Output Type	Constant Current
	Dimming Type	Bluetooth
	Dimming range	1%-100%
	Output Features	Isolation
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC@300-1050mA
	Range of Input Voltage	176-264VAC or 176-280VDC@300-1050mA
	Frequency	50/60Hz
	Input Current	≤0.25A (230VAC, full load)

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	Input Power	≤50W (230VAC, full load)
	Power Factor	≥0.95 (230VAC, full load)
	THD	≤20% (230VAC, full load)
	No-load Power Consumption	≤0.5W @230VAC (Dim to off)
	Inrush Current:	≤18A/2.8us (230VAC, full load)
	Connected quantity of 16A Breaker	27pcs/type B ;44pcs / type C @ 230Vac
Output	Output Voltage Range	20-42VDC@300-800mA 20-40VDC@850-1050mA
	No Load Voltage	55VDC Max.
	Output Current	300 -1050mA (Max. output)
	Max. Output Power	42W
	Efficiency	≥87% (230VAC, full load)
	Current Ripple	±5% (230VAC, full load)
	Current Accuracy	±5%
	Started Delay Time	≤0.5S (230VAC, full load)
Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery
	No-load Protection	Auto Recovery
	Insulation voltage	3000V 5mA 60S between P-S
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	< 250μA, I/P to O/P or I/P to PE @230V input
Environment	Ta/Operation Temperature	-25....+50℃
	Ts/Storage Temperature	-30....+85℃
	Tc/Enclosure Temperature	85℃
	Humidity	10%....90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Independent
	PRI Wire preparation	0.75-1.5 [□]
	SEC Wire preparation	0.75-1.5 [□]
	Dimension	118.5*67*22mm (L*W*H)
Standards	Certification	complied to CE
	Safety Standards	EN61347-1:2015,EN61347-2-13:2014/A1:2017, EN62493:2015
	EMC Standards	EN55015:2013/A1:2015,EN61000-3-2:2014, EN61000-3-3:2013,EN61547:2009
	Performance	EN62384
	Surge	L-N/2KV
Others	RoHS	complied to 2011/65/EU
	Life Time	50000h @ Ta / Tc
	Warranty	5years , F.R. < 10000ppm

Remark:

- 1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C ambient temperature.
- 2.LED Driver is a component of the luminaires, Luminaires and wire layout will affect the EMC, please check the EMC with end products again.

2. Output Current Setting

Output Current	1	2	3	4
300mA	-	-	-	-
350mA	-	-	-	ON
400mA	-	-	ON	-
450mA	-	-	ON	ON
500mA	-	ON	-	-
550mA	-	ON	-	ON
600mA	-	ON	ON	-
650mA	-	ON	ON	ON
700mA	ON	-	-	-
750mA	ON	-	-	ON
800mA	ON	-	ON	-
850mA	ON	-	ON	ON
900mA	ON	ON	-	-
950mA	ON	ON	-	ON
1000mA	ON	ON	ON	-
1050mA	ON	ON	ON	ON

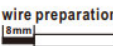
3. Label



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LED Dimmable Driver
MODEL:CC42W300-1050CG CASAMBI
 PRI: 220-240VAC 50/60Hz Max.0.25A
 SEC: No load:55VDC Max.42W
 Constant Current Type for LED Only
 ta:50°C tc:85°C

Iin (A)	Iin (A)	Uo(VDC)	Po(W)	Io(mA)	1	2	3	4
0.10	0.70C		12.6	300	-	-	-	-
0.11	0.75C		14.7	350	-	-	-	ON
0.12	0.80C		16.8	400	-	-	ON	-
0.13	0.85C		18.9	450	-	-	ON	ON
0.14	0.88C		21	500	-	ON	-	-
0.15	0.90C	20-42	23.1	550	-	ON	-	ON
0.16			25.2	600	-	ON	ON	-
0.17			27.3	650	-	ON	ON	ON
0.18	0.92C		29.4	700	ON	-	-	-
0.19			31.5	750	ON	-	-	ON
0.20			33.6	800	ON	-	ON	-
0.21			34	850	ON	-	ON	ON
0.22			36	900	ON	ON	-	-
0.23			38	950	ON	ON	-	ON
0.24	0.95	20-40	40	1000	ON	ON	ON	-
0.25			42	1050	ON	ON	ON	ON


 wire preparation
 8mm

PRI:0.75-1.5°
 SEC:0.5-1.5°

ON OFF


SEC 300-1050mA


PRI 220-240VAC



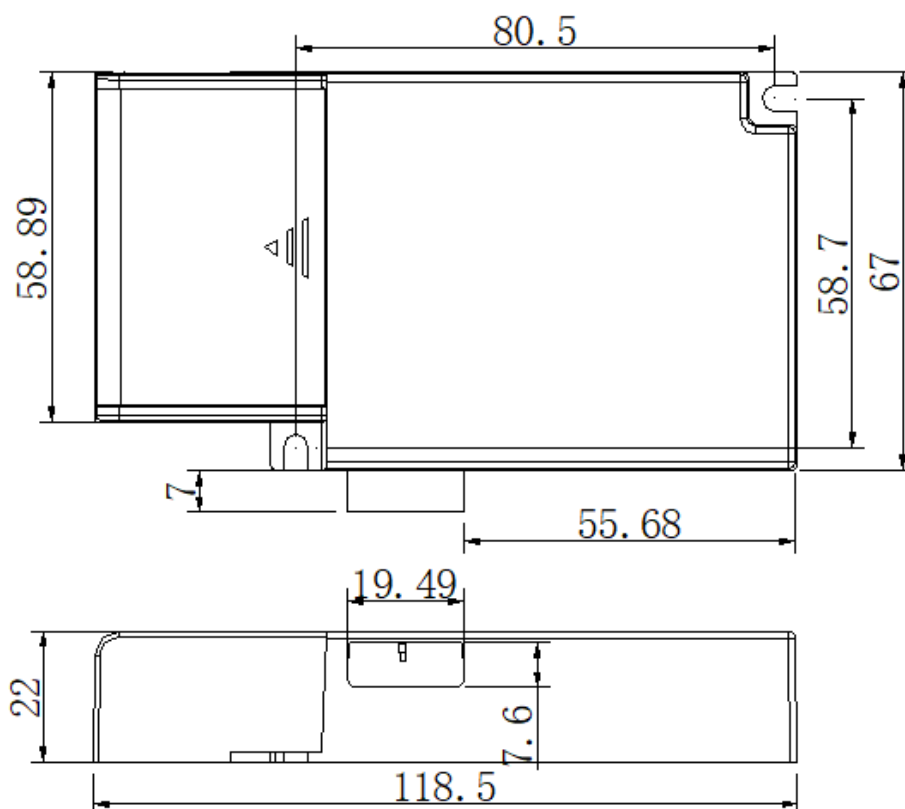




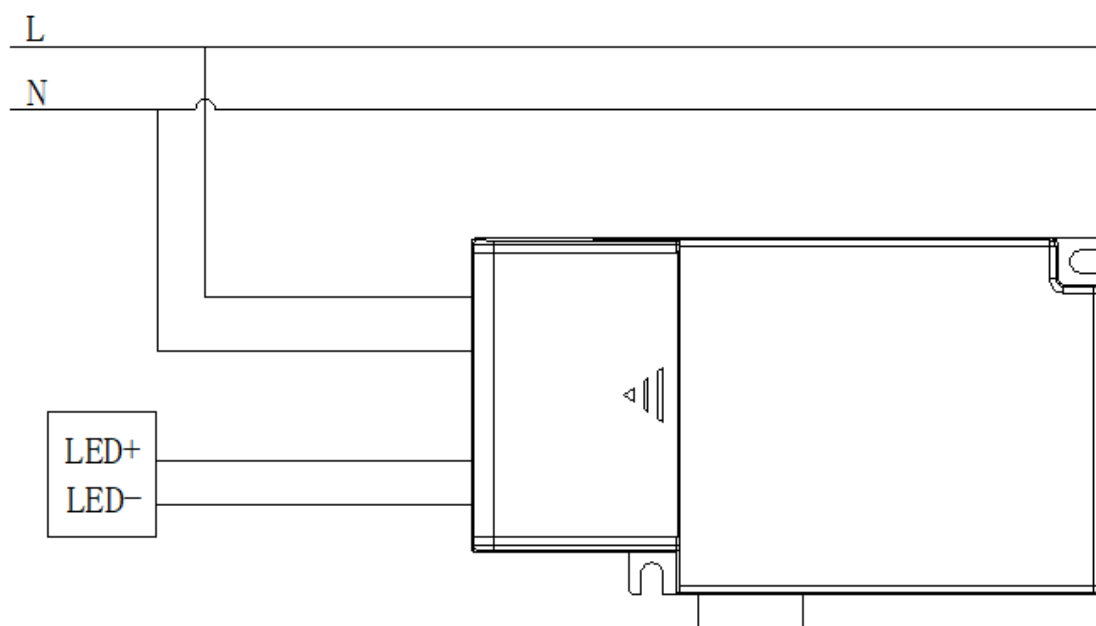





4. Dimension (Unit: mm)



5. Wiring Diagram



6. Packing information

packing way	Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
With white box and manual	450*240*200	65	0.16	10.4	10.92
Without white box and manual		90	0.146	13.14	13.84

7. Wiring instructions

- All connections must be kept as short as possible to ensure good EMI behaviour
- Mains leads should be kept apart from LED Driver and other leads (ideally 5 – 10 cm distance)
- Advice the maximum length of output wires is 3 m
- Secondary switching is not permitted (Except for constant voltage)
- Incorrect wiring can damage LED modules.
- The wiring must be protected against short circuits to earth (sharp edged metals parts, metal cable clips, louver, etc.)