

Constant Current Compact DALI Dimmable

Product Specification Sheet

LUCE VITA
illuminating intelligently

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CC23W150-500 DALI

Make: KGP

Generals Benefits

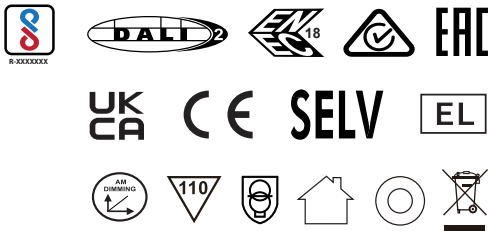
DC Output with adjustable constant current
from 150-500 mA via DIP Switch
DALI-2 DT6
Flicker Free and smooth dimming light output
1% - 100% Dimming Range
Compact Shape with High Efficiency & Low PF
Life upto 1,00,000 Hrs
5 Years Warranty



Application

Down Lights
Spot Lights
Linear Lights

Approvals



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CC23W150-500 DALI

Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Current
	Dimming Type	DALI 2
	Dimming Range	Primary PUSH & DALI Dimming 1%-100%
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	180-280VAC
	Frequency	0/50/60Hz
	Input Current	≤0.16A (230VAC, full load)
	Input Power	≤26.1W (230VAC, full load)
	Power Factor	≥0.96 (230VAC, full load)
	THD	≤10% (230VAC, full load)
	No-load Power	≤1W
	Stand-by Power	≤0.45W Dim to off, 230VAC
	Inrush Current	≤8.5A/16us (230VAC, full load)
	Connected quantity of 16A Breaker	37pcs/type A; 59pcs/type B ; 94pcs/type C
	Ripple requirement (Flickering-Free)	Flicker value: less than 3% for whole dimming range
Output	Output Voltage Range	2.5-46VDC @ 150-500mA
	No Load Voltage	60VDC Max
	Output Current	150 - 500mA
	Full load output power	23W
	Efficiency	≥88 % (230VAC, full load)
	Output LF current ripple (< 120 Hz)	±3% (Imax-Imin) / (Imax+Imin)
	Current Accuracy	±5%
	PSTLM	≤1
	SVM	≤0.4
	Starting Time(AC mode)	≤0.8S (230VAC, full load, by DALI system)
	Starting Time(DC mode)	≤0.4S
	Switching over time(AC/DC)	≤0.4S
Control Method	PUSH dimming	PUSH dimming (Max. lead wire length: 20m, same port of DALI)
	DALI function	DALI dimming (Max. lead wire length:30m)
		logarithm or linear dimming curve selectable
Protection	Dimming range	DALI dimming: 1%-100%
	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery (not be hot swap)
	No-load Protection	Auto Recovery
	Insulation voltage	3000V 5mA 60S between P-S,>100M ohm @ 500VDC L/N to PE
	Insulation resistance	>100M ohm @ 500VDC L/N to PE
Environment	Leakage current	< 700μA, I/P to O/P @230V input
	Ta/Operation Temperature	-20....+50° C
	Ts/Storage Temperature	-20....+85° C
	Tc/Enclosure Temperature	85° C
	Humidity	10%....90%RH
Construction	Atmosphere	86-108KPa
	Connection Method	Push-in Terminal
	Installation	Built-in
	PRI Wire preparation	0.5-1.5 / 8-9mm
	SEC Wire preparation	0.5-1.5 / 8-9mm
	DALI Wire preparation	0.5-1.5 / 8-9mm
	Dimension	103.4*30*21mm (L*W*H)

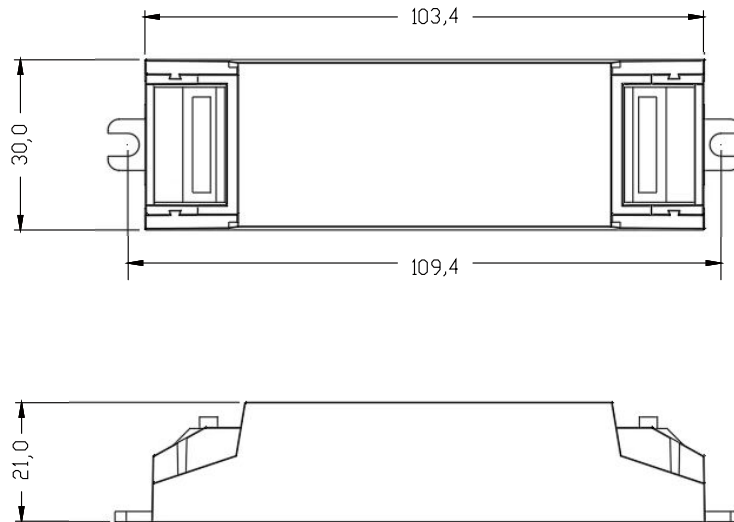
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Dimension



Remarks

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.
3. Warranty Mentioned is a limited warranty only to the original purchaser or to the first user @ Tc max from the date of manufacturing when properly installed and operated under normal conditions of use.
4. Please refer our website for details warranty conditions.
5. For further details, kindly refer our website. www.lucevita.in, or email info@lucevita.in.

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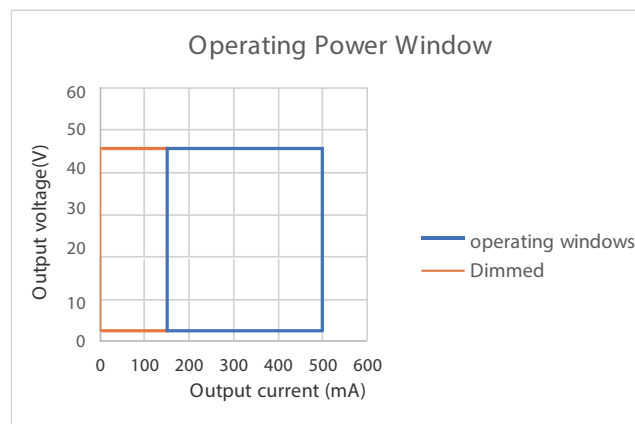
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Category	Item	Technical Norm
Standards	Certification	CE/ENEC/SAA/UKCA/EAC
	Safety Standards	EN61347-1:2015/A1:2021; EN61347-2-13:2014/A1:2017; EN62384:2006/A1:2009; AS 61347.2.13:2018; AS/NZS61347.1:2016; BS EN61347-1:2015/A1:2021; BS EN61347-2-13:2014/A1:2017; IEC 61347-1:2015+A1:2017; IEC 61347-2-13:2014+A1:2016
	EMC Standards	AS/NZS CISPR 15:2011; AS CISPR 15:2017; BS EN IEC 55015:2019+A11:2020; EN 61547:2009; BS EN IEC 61000-3-2:2019; BS EN 61000-3-3:2013+A1:2019
	Performance	EN 62384
	DALI Performance	EN 62386-101 (DALI-2) EN 62386-102 (DALI-2) EN 62386-207 (DALI-2, including part 251, 252, 253)
	Surge	L/N-Ground:2kV; L-N:1kV
	RoHS	2011/65/EU
	Life Time	50000h Tc=85° C 75000h Tc=80° C 100000h Tc=75° C
	Warranty	5years, F.R. <10000ppm
Others		

Output Power Window



DALI Dimming Curve

