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LC60W120-550 DALI NFC

Make: KGP

General Benefits

DC Output current setting from 60-120 mA
 via NFC
 DALI-2 DT6
 Flicker Free and smooth dimming light output
 Constant lumen output
 1% - 100% Dimming Range
 Linear Shape with Metal Body Housing
 High Efficiency & Low PF
 Life upto 1,00,000 Hrs
 5 Years Warranty

**Application**

Linear Lights

Approvals

Lucevita LED Power supply are with high reliability in linear housing having best surge protection, THD, Ripple Current in the industry.

Drivers generally used in Linear or customized profile light application luminaires for residential, retail and Office space lighting .

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Parameters

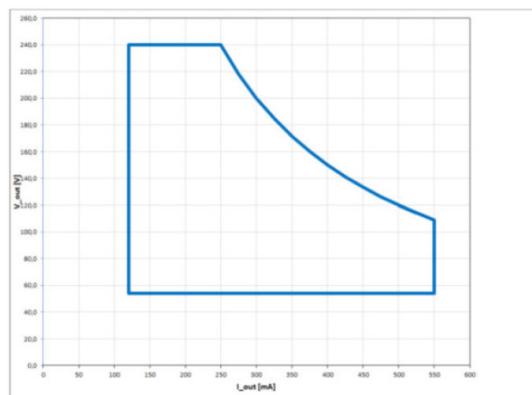
Category	Item	Technical Norm
Features	Output Type	Constant Current
	Dimming Type	Amplitude Modulation
	Dimming Range	Primary PUSH & DALI Dimming 1%-100%
	Output current setting	Near field communication (NFC)
	Output Features	Non-Isolation
	CLO	Constant Lumen Output
	IP Grade	IP20
Input	Insulation Class	Class I
	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Range of DC Input Voltage	176-280VDC
	Frequency	50/60Hz
	Input Current	≤0.3A max
	Input Power	≤65.5W max
Output	Power Factor	≥0.95 (230VAC, full load)
	THD	≤10% (230VAC, full load)
	Standby Power Consumption	≤0.3W @230VAC (DALI system DIM to off)
	Inrush Current	≤14A/280us (230VAC, full load)
	Connected quantity of 16A Breaker	≥24pcs/type B
	Output Voltage Range	54-240VDC
	No Load Voltage	260VDC Max.
Control Method	Output Current	120-550mA (by NFC setting)
	Max. Output Power	60W
	Efficiency	≥93% (230VAC, full load)
	Output LF current ripple (< 120 Hz)	±1% (I _{max} -I _{min}) / (I _{max} +I _{min})
	Current Accuracy	±3%
	Output PstLM (at full load)	≤1
	Output SVM (at full load)	≤0.4
Protection	Starting Time(AC mode)	≤0.5S (230VAC, full load, without DALI system)
	Starting Time(DC mode)	≤1S (230VAC, full load, by DALI system)
	Switching over time(AC/DC)	≤0.4S
	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
	Dimming range	DALI dimming: 1%-100%
	NFC current setting	The output current can be set within the total value range in 1-mA-steps. Output current is mean value. Setting is by KGP's software APP/APK/PC with FEIG equipment or mobile phone.
Environment	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,1500V 5mA 60S between P-E
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	< 250µA, I/P to O/P or I/P to PE @230V input
	Ta/Operation Temperature	-25....+60° C
Construction	Ts/Storage Temperature	-40....+80° C
	Tc/Enclosure Temperature	85° C
	Humidity	10%....90%RH
	Atmosphere	86-108KPa
	Connection Method	Push-in Terminal
	Installation	Built-in
	PRI Wire preparation	0.5-1.5 / 8-9mm
Construction	SEC Wire preparation	0.5-1.5 / 8-9mm
	Dimension	280*30*21mm (L*W*H)

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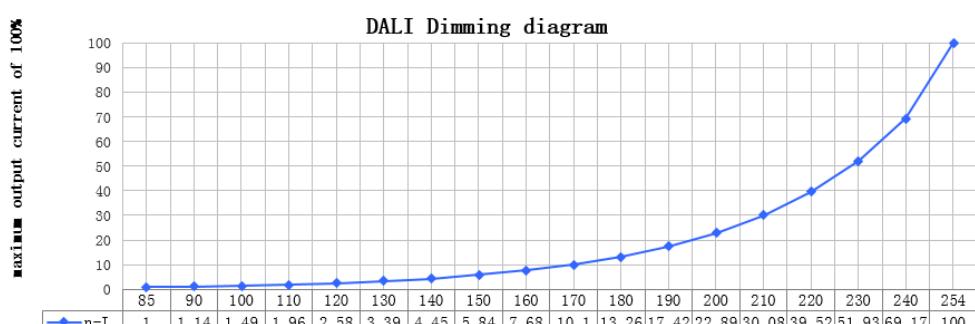
Parameters

Category	Item	Technical Norm
Standards	Certification	CE
	Safety Standards	EN61347-1,EN61347-2-13,EN62384
	EMC Standards	EN55015,EN61000-3-2,EN61000-3-3,EN61547
	Performance	EN62384
	DALI performance	EN 62386-101 (DALI-2) EN 62386-102 (DALI-2) EN 62386-207 (DALI-2, including part 251, 252, 253)
	NFC RF	IEC 15963
Others	Emergency escape lighting system	According to EN 50172 for use in central battery systems According to EN 60598-2-22 suitable for emergency lighting installations
	Surge	L-N/1KV (L/N)-PE/2KV
	RoHS	2011/65/EU
	Life Time	50000h @Ta / Tc, 100000h@Ta=50° C/Tc=75° C, F.R. < 10%
	Warranty	5years

Output Power Window

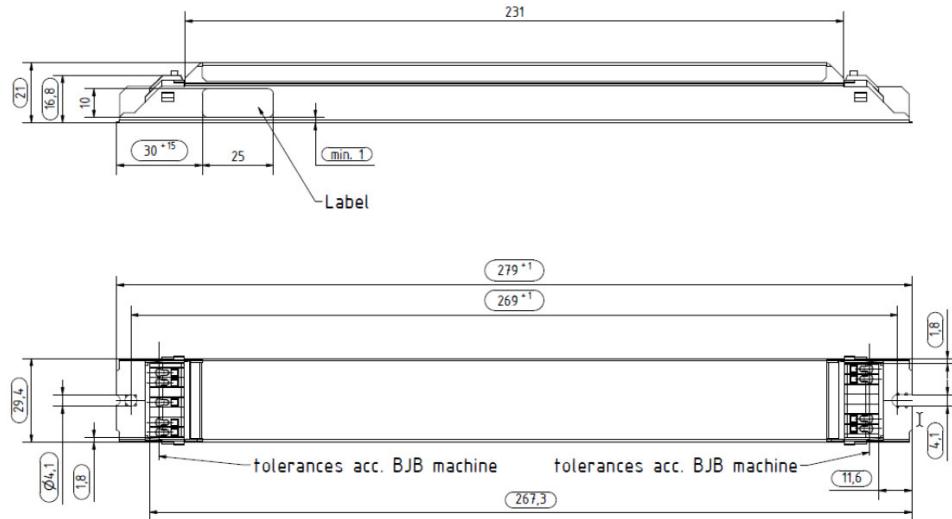


DALI Dimming Curve



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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.