

LC100W250-1050 DALI NFC

Make: KGP

General Benefits

DC Output current setting from 100-250 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 .

Constant Current Linear DALI Dimmable - Non SELV

Product Specification Sheet

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LC100W250-1050 DALI NFC

Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Current
	Dimming Type	Amplitude Modulation
	Output current setting	Near field communication (NFC)
	Output Features	Non-Isolation
	CLO	Constant Lumen Output
	IP Grade	IP20
	Insulation Class	Class I
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Range of DC Input Voltage	176-280VDC
	Frequency	50/60Hz
	Input Current	≤0.6A max
	Input Power	≤109W max
	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	≤36A/170us (230VAC, full load)
Output	Connected quantity of 16A Breaker	≥16pcs/type B
	Output Voltage Range	54-240VDC
	No Load Voltage	260VDC Max.
	Output Current	250-1050mA (by NFC setting)
	Max. Output Power	100W
	Efficiency	≥94zzz% (230VAC, full load)
	Output LF current ripple (< 120 Hz)	±1% (Imax-Imin) / (Imax+Imin)
	Current Accuracy	±3%
	Output PstLM (at full load)	≤1
	Output SVM (at full load)	≤0.4
	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
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
	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.
	Short Circuit Protection	Auto Recovery
Protection	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
	Ts/Storage Temperature	-40.....+80° C
Environment	Tc/Enclosure Temperature	85° C
	Humidity	10%.....90%RH
	Atmosphere	86-108KPa
	Connection Method	Push-in Terminal
Construction	Installation	Built-in
	PRI Wire preparation	0.5-1.5 / 8-9mm
	SEC Wire preparation	0.5-1.5 / 8-9mm
	Dimension	280*30*21mm (L*W*H)

Constant Current Linear DALI Dimmable - Non SELV

Product Specification Sheet

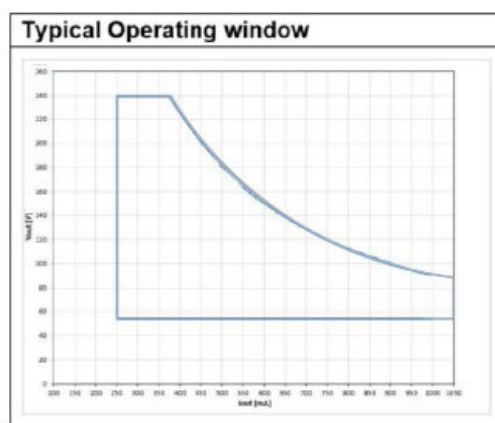
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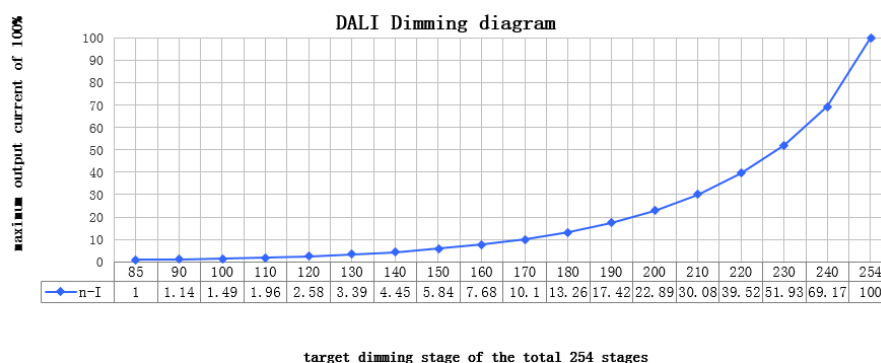
Parameters

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
	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
Others	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



Technical drawing of the BJB machine showing top and side views with dimensions.

Top View Dimensions:

- Overall length: 231
- Left side dimensions: 21 (total), 16.8 (inner), 10 (gap)
- Internal feature: 30 ± 1.5 , 25
- Minimum gap: min. 1
- Label: Label

Side View Dimensions:

- Overall height: 29.4
- Internal height: 18
- Internal feature: $\varnothing 4.1$
- Top dimensions: 279 ± 1 , 269 ± 1
- Right side dimensions: 18, 4.1
- Bottom dimensions: 267.3, 11.6
- Notes: tolerances acc. BJB machine (two locations)

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.