

## LC35W150-700 DALI NFC

Make: KGP

### Generals Benefits

DC Output current setting from 150-700 mA  
via NFC  
DALI-2 DT6  
Flicker Free and smooth dimming light 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

## Product Specification Sheet

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### LC35W150-700 DALI NFC

#### Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Current
	Dimming Type	DALI-2 / Touch Dim
	Dimming Range	Primary PUSH & DALI Dimming 1%-100%
	IP Grade	IP20
	Insulation Class	Class I
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Range of DC Input Voltage	180-280VDC
	Frequency	0/50/60Hz, Range:0/47-63Hz
	Input Current	≤0.24A max
	Input Power	≤39.4W max
	Power Factor	≥0.95 (230VAC, full load)
	THD	≤8.5% (230VAC, full load)
	Standby Power Consumption	≤0.45W @230VAC (DALI system DIM to off)
	Inrush Current	≤18A/15us (230VAC, full load)
	Connected quantity of 10A Breaker	11pcs/type A ;17pcs/type B ;28pcs/type C
	Connected quantity of 16A Breaker	17pcs/type A ;28pcs/type B ;44pcs/type C
	Connected quantity of 20A Breaker	22pcs/type A ;35pcs/type B ;56pcs/type C
	Ripple requirement (Flickering-Free)	Flicker value: less than 3% for whole dimming range
	Output Voltage Range	20-50VDC@150-700mA
Output	No Load Voltage	60VDC Max
	Output Current	150-700mA (by NFC setting)
	Max. Output Power	35W
	Efficiency	≥89% (230VAC, full load@max current)
	Output LF current ripple (< 120 Hz)	±3% (Imax-Imin) / (Imax+Imin)
	Current Accuracy	±5%
	Output PstLM (at full load)	≤1
	Output SVM (at full load)	≤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
	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%
Control Method	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.
Protection	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	< 700μA, I/P to O/P or I/P to PE @230V input
Environment	Ta/Operation Temperature	-25.....+50° C
	Ts/Storage Temperature	-25.....+80° C
	Tc/Enclosure Temperature	80° C
	Humidity	10%....90%RH
	Atmosphere	86-108KPa
Construction	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	280*30*21mm (L*W*H)

# Constant Current Linear DALI Dimmable

## Product Specification Sheet

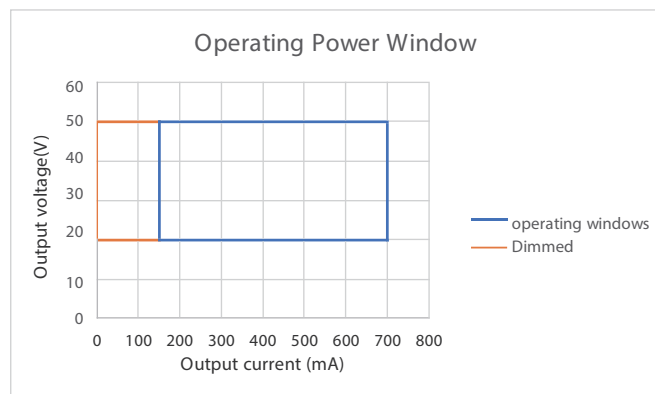
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### LC35W150-700 DALI NFC

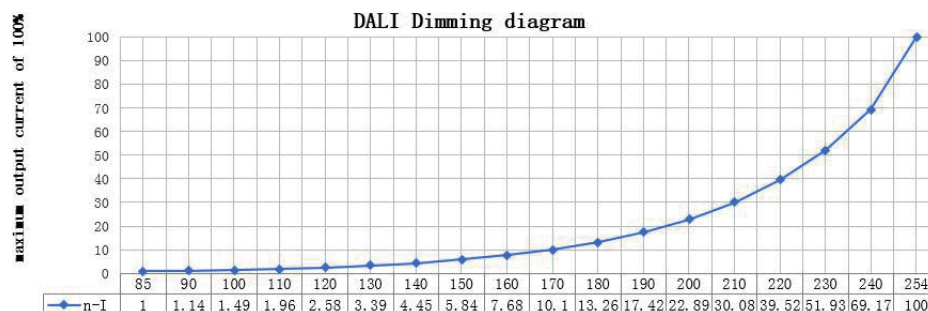
#### Parameters

Category	Item	Technical Norm
Standards	Certification	CE/ENEC/SAA/UKCA
	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;
	EMC Standards	AS/NZS CISPR 15:2011 AS CISPR 15:2017 ;
	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/2KV (L/N)-PE/4KV
Others	RoHS	2011/65/EU
	Life Time	50000h Tc=80° C
		75000h Tc=75° C
	Warranty	100000h Tc=70° C 5years, F.R. < 10000ppm

#### Output Power Window

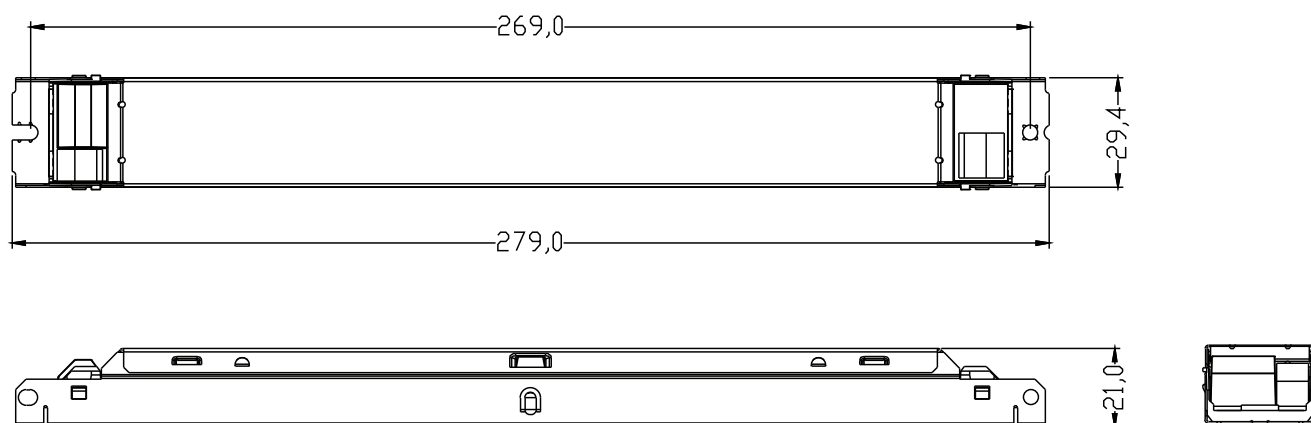


#### DALI Dimming Curve



### LC35W150-700 DALI NFC

#### 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](http://www.lucevita.in), or email [info@lucevita.in](mailto:info@lucevita.in).