

Features

- Rate supply voltage: 100~277Vac
- non -SELV -SELV
- HVLED and LVLED output are more convenient to use
- Adjustable light intensity
- Dimmable Built-in constant current LED driver
- Adjustable output current via DALI
- Dimming range 1-100%
- For luminaire of protection class I and protection class II
- Nominal life-time up to 100,000h
- 5-years guarantee



Advantages

- Easy dip-switch based output current programming no special tools needed, one SKU supports multiple fixture types.
- Current states available to a variety of popular LED engines.
- Linear designs can be used for a variety of lighting fixture and troffers.

ledDATA  

RoHS COMPLIANT **SELV** **IP24**



Type	Output current (mA)	Output voltage range (V)	Output power (W)	Input voltage (Vac)	Built-in bus PSU 24V-AUX	Energy consumption data	Size (mm)
pD+: DALI + D4i + AUX DT6							
LCA 30W/200-700mA/15-54V pD+ Im	200-700	LV:15-27 / HV:27-54	35	200~240	yes	yes	243 × 30 × 21
LCA 50W/800-1200mA/15-54V pD+ Im	800-1200	LV:15-27 / HV:27-54	50	200~240	yes	yes	284 × 30 × 21
LCA 50W/350-1050mA/27-90V pD+ Im	350-1050	LV:27-51 / HV:51-90	50	200~240	yes	yes	284 × 30 × 21
LCA 50W/350-1050mA/42-132V pD+ Im	350-1050	LV:42-81 / HV:81-132	50	200~240	yes	yes	284 × 30 × 21
LCA 75W/1200-2100mA/15-54V pD+ Im	1200-2100	LV:15-27 / HV:27-54	75	200~240	yes	yes	360 × 30 × 21
LCA 75W/200-700mA/105-225V pD+ Im	200-700	LV:105-150 / HV:150-225	75	200~240	yes	yes	360 × 30 × 21
LCA 75W/200-700mA/135-285V pD+ Im	200-700	LV:135-195 / HV:195-285	75	200~240	yes	yes	360 × 30 × 21
D+: DALI + Part 251-253 DT6							
LCA 30W/200-700mA/15-54V D+ Im	200-700	LV:15-27 / HV:27-54	35	200~240	no	yes	243 × 30 × 21
LCA 50W/800-1200mA/15-54V D+ Im	800-1200	LV:15-27 / HV:27-54	50	200~240	no	yes	284 × 30 × 21
LCA 50W/350-1050mA/27-90V D+ Im	350-1050	LV:27-51 / HV:51-90	50	200~240	no	yes	284 × 30 × 21
LCA 50W/350-1050mA/42-132V D+ Im	350-1050	LV:42-81 / HV:81-132	50	200~240	no	yes	284 × 30 × 21
LCA 75W/1200-2100mA/15-54V D+ Im	1200-2100	LV:15-27 / HV:27-54	75	200~240	no	yes	360 × 30 × 21
LCA 75W/200-700mA/105-225V D+ Im	200-700	LV:105-150 / HV:150-225	75	200~240	no	yes	360 × 30 × 21
LCA 75W/200-700mA/135-285V D+ Im	200-700	LV:135-195 / HV:195-285	75	200~240	no	yes	360 × 30 × 21
DA: DALI + Part 251 DT6							
LCA 30W/200-700mA/15-54V DA Im	200-700	LV:15-27 / HV:27-54	35	200~240	no	no	243 × 30 × 21
LCA 50W/800-1200mA/15-54V DA Im	800-1200	LV:15-27 / HV:27-54	50	200~240	no	no	284 × 30 × 21
LCA 50W/350-1050mA/27-90V DA Im	350-1050	LV:27-51 / HV:51-90	50	200~240	no	no	284 × 30 × 21
LCA 50W/350-1050mA/42-132V DA Im	350-1050	LV:42-81 / HV:81-132	50	200~240	no	no	284 × 30 × 21
LCA 75W/1200-2100mA/15-54V DA Im	1200-2100	LV:15-27 / HV:27-54	75	200~240	no	no	360 × 30 × 21
LCA 75W/200-700mA/105-225V DA Im	200-700	LV:105-150 / HV:150-225	75	200~240	no	no	360 × 30 × 21
LCA 75W/200-700mA/135-285V DA Im	200-700	LV:135-195 / HV:195-285	75	200~240	no	no	360 × 30 × 21

Electrical Specifications

All the specifications are typical and at 25°C Ta unless specified otherwise

Ordering Information

Full product code	LCA 30W/200-700mA/15-54V pD+ Im
Full product name	DALI Power Supply

Input Information

Line Voltage	200 ~ 240Vac_rms
Line Current	0.15A Max
Line Frequency	50/60Hz
Min. Mains voltage operational	200Vac min.
Max. Mains voltage operational	264Vac max.
THD (total)	≤20% (Full load)
Power Factor (PF)	≥0.90 (230Vac/Full load)
Inrush Current	≤80A/350uS (230Vac)
Lightning Surge Protection	1.5KV

Output Information

Output voltage range	15V to 54Vdc
Maximum open circuit voltage	58V
Output Current Ripple	10% max @ max Iout
Protections	Short Circuit Protection for LED+ and LED-, miss-wiring protection
Ambient Temp Range	-25°C to +50°C
Max Case Temperature (Tcase)	70°C for Life & 80°C for CE Safety

Features

Interfaces	DALI Dimming
AOC (Adjustable Output Current)	200mA to 700mA (Adjustable output current via DALI)
MTP (Module Temperature Protection)	N/A

Environment & Approbation

Type of protection	IP24
Agency Approbations	EN61347-2-11
Electromagnetic Compliance	EN55015, EN61547, EN61000-3-2, EN61000-3-3
Isolation	Safety isolation
Audible noise	<24dB Class A

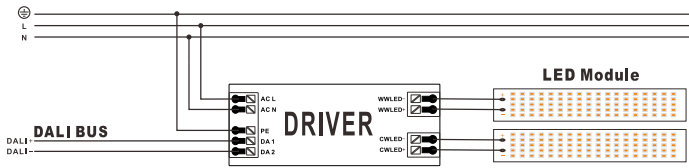
Isolation

Isolation	Input	Output	Enclosure (PE)
Input	Not applicable	2xU+1KV	2xU+1KV
Output	2xU+1KV	Not applicable	>500V
Enclosure (PE)	2xU+1KV	>500V	Not applicable

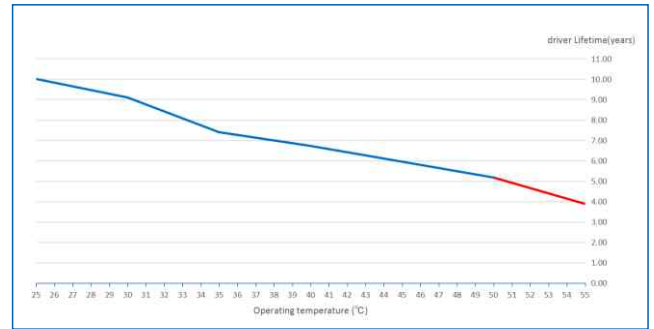
U=Max input voltage

DALI PSU series

Wiring



Driver Lifetime Curve



Dimming Interface

pD+: DALI + D4i

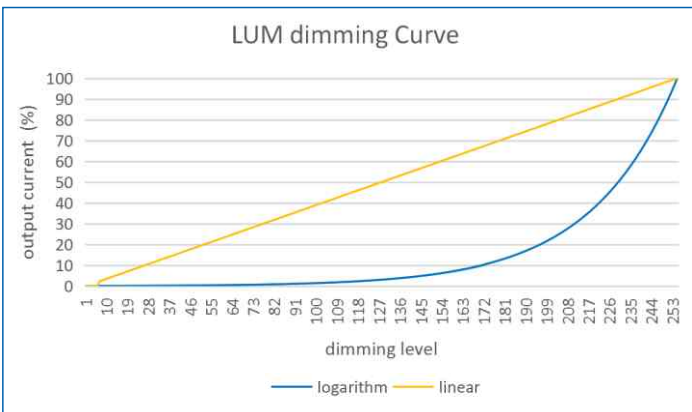
D+: DALI + Part 251-253

DA: DALI + Part 251

Dimensions And Weight

	in.	mm
Case Length	9.56	243
Case Width	1.18	30.0
Case Height	0.82	21.0
Mounting Length	9.25	235
Mounting Width	1.18	30.0
Weight	0.401lb/0.182Kg	

LUM dimming Curve



Cable Specification

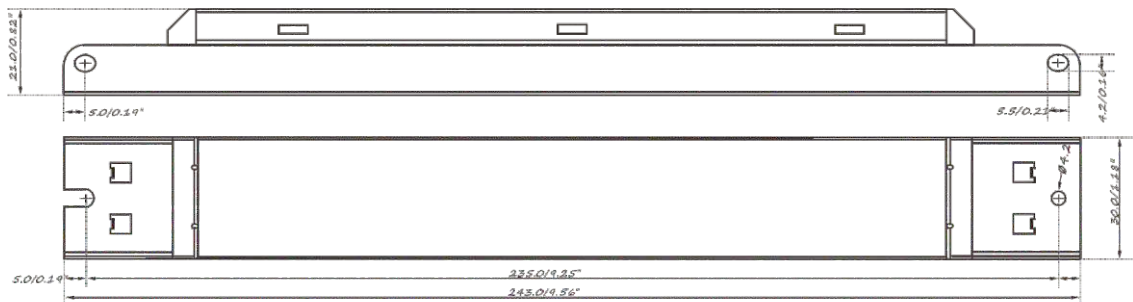
- Install in accordance with National and Local Electrical Codes.
- Input and output cable requirements
Preparation for Input and output



Solid conductor:

Input 0.5...0.75 mm² / 20...18 AWG.

Output 0.5...0.75 mm² / 20...18 AWG.



Unit: mm/inch

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