

dadolight Plank Series

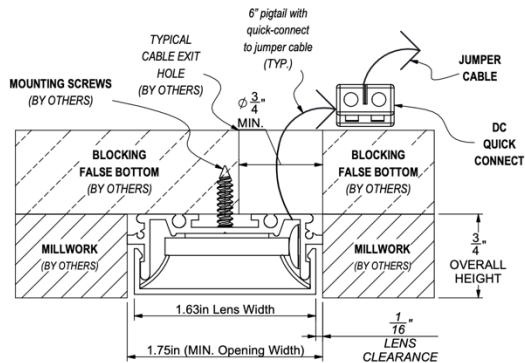
Luminous bars for use in wood plank and slat ceilings and walls

Evenly lit lens with no pixel or diode images

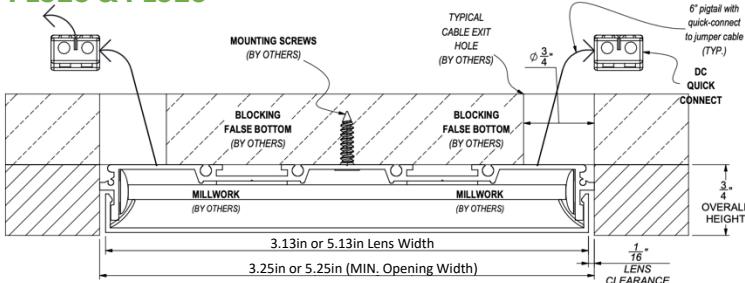
1.75", 3.25" and 5.25" coordinates with various plank and slat sizes and spacings



PL175



PL325 & PL525



CROSS SECTION

LED

Low wattage LEDs produce even distribution with no shadows or hot spots. Blending and overlapping optics of LED keep color uniform. LED board is fully encapsulated IP65 rated.

Optics

Light guide diffuses multiple LED sources. Standard units ship with 10ft (34.05m) class 2 jumper cable with DC quick connect at panel. See options for 35ft plenum rated cable. Snap in high transmission Acrylic lens provides a matte white finish for a dimensionless appearance.

Environmental Data

Ordering	
Series	PL175 <input type="checkbox"/> Plank 1.75" width PL325 <input type="checkbox"/> Plank 3.25" width PL525 <input type="checkbox"/> Plank 5.25" width (avail. Fall 2022)
Lamping	3RE <input type="checkbox"/> 115Lu/ft. 3.0w/ft 3RE/3RE <input type="checkbox"/> 230Lu/ft. 6.0w/ft (req'd with PL525) 7RE <input type="checkbox"/> 225Lu/ft. 6.4w/ft 7RE/7RE <input type="checkbox"/> 450Lu/ft. 12.8w/ft (req'd with PL525)
Color	279 <input type="checkbox"/> 2700K, 90+CRI 309 <input type="checkbox"/> 3000K, 90+CRI 359 <input type="checkbox"/> 3500K, 90+CRI
Length	xx <input type="checkbox"/> Up to 120" with one-piece lens; Longer lengths require multiple lenses PAT <input type="checkbox"/> For mitered ends or patterns
Finish	NA <input type="checkbox"/> Natural Anodized BK <input type="checkbox"/> Black
Units	mm <input type="checkbox"/> mm in <input type="checkbox"/> inches
Options	CL2P35 <input type="checkbox"/> 35ft Plenum rated jumper cable (replaces 10' standard cable) EC <input type="checkbox"/> End Caps on lens for surface mounting

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Plank Series

R-FLV Driver

Forward phase low voltage remote mounted power supply with 24Vdc Constant Voltage output for simple class 2 installation. 20W, 40W, 60W or 96W; 120V 60Hz input. Minimum 50% watt load required; e.g. 10W on ELV20. Dims to 20% with forward phase 2-wire magnetic low voltage dimmer. Short circuit and overload protected. Non-IC installations. Listed for 90°C conductors with 1/2" trade size knock outs. NEMA 3R enclosure.

R-xxx-UNV Drivers

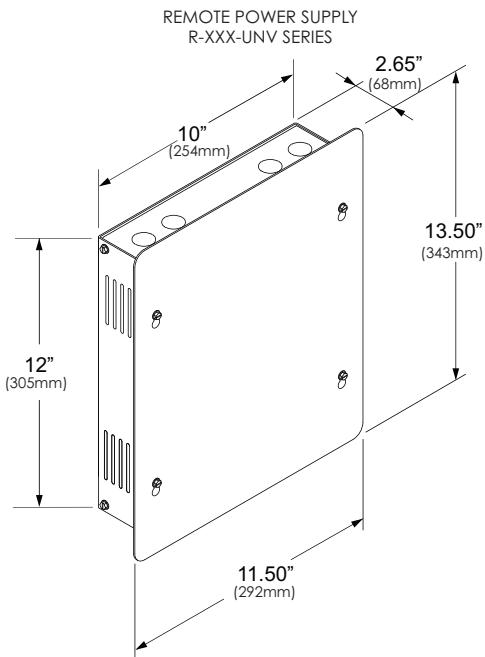
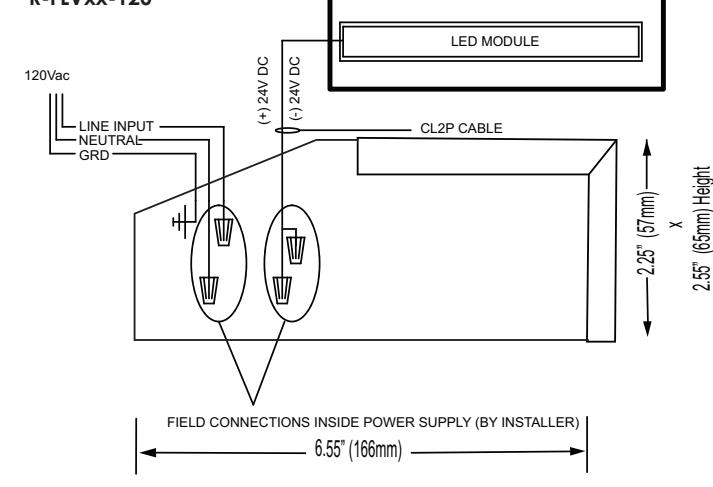
Remotely located power supply with 24Vdc Constant Voltage, or Constant Current, output for simple class 2 installation. Electronic Drivers 50/60 Hz, 120 thru 277 input. Choice of 0-10V dimming or switched on/off. Dimmable drivers with 3KL, 1ML, or 2ML may flicker below 10%. Use Constant Current version to dim to 1%. Nxx requires 8W and D010 requires 20W minimum load. Type A Sound Rating, Non IC installations standard; consult factory for IC installation. May be surface mounted or recessed in 2x4 walls or above accessible ceilings. Housing is die formed 16ga CRS with White painted after fabrication finish. Listed for 90°C conductors with 1/2" trade size Knock Outs.

Driver*	<input type="checkbox"/> Remote
Drive Qty Per	<input type="checkbox"/> - Blank for FLV
Power Supply	<input type="checkbox"/> X Factory determined with N100 or D010 type
Type	<input type="checkbox"/> FLVxx <input type="checkbox"/> Forward phase low voltage, 20, 40, 60 or 96W
	<input type="checkbox"/> Nxx <input type="checkbox"/> Non-dim 100W max.
	<input type="checkbox"/> D010 <input type="checkbox"/> Dimming via 0-10Vdc
	<input type="checkbox"/> D010-CC <input type="checkbox"/> **Constant Current (2.0-8.0w/ft)
Voltage	<input type="checkbox"/> UNV <input type="checkbox"/> Universal 120-277V for N100 or D010 type
	<input type="checkbox"/> 120 <input type="checkbox"/> 120 only for FLV type
	<input type="checkbox"/> CP <input type="checkbox"/> Chicago Plenum rated enclosure

*Constant factor for DALI, DMX & Lutron driver options.

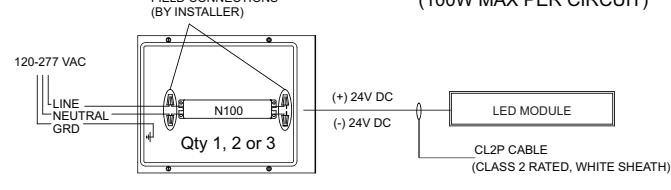
**Constant Current requires a factory programmed driver for each LED panel.

R-FLVxx-120



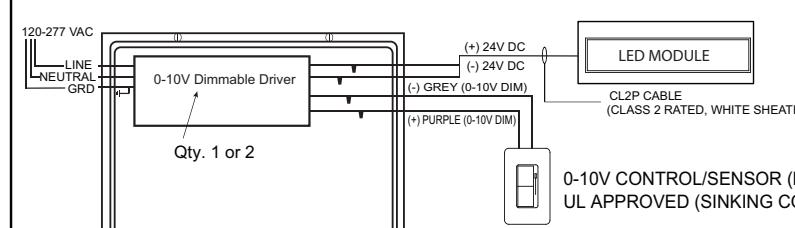
Non-Dimming - R-x-Nxx-UNV

24VDC CLASS 2 WIRING (100W MAX PER CIRCUIT)



0-10V Dimming - R-x-D010-xx-UNV

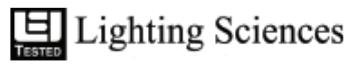
24VDC CLASS 2 WIRING (100W MAX PER CIRCUIT)





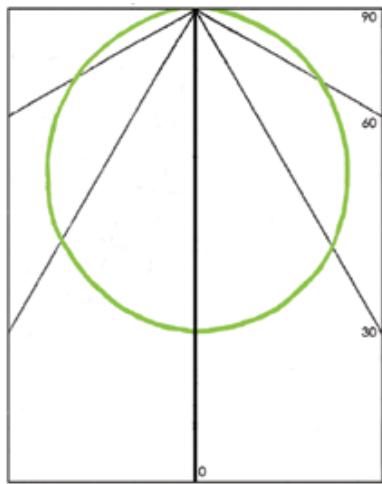
Plank Series

Photometric Data



Independent Test No. 27940 (prorated)

Candlepower Distribution (cd)



LED cat number: PL325-7RE-359-24-in
Advance Driver: LED-1HTA-OO12V50-FO operating at 120v
Total Lumen: 901

This is an absolute test.
Luminous Length: 24"
Width: 3.25"

Preliminary Data

Zonal Lumen Summary

Zone	Lumen	% Lumen
0-30°	100	27.26
0-40°	163	44.52
0-60°	288	78.37
0-90°	367	100
40-90°	204	55.48
60-90°	79	21.63
90-180°	0	0
0-180°	367	100

Luminance Data (cd/m²)

Angle	Along	45°	Across
45°	3349	3434	3402
55°	3206	3292	3260
65°	3032	3137	3086
75°	2799	2913	2767
85°	2238	2483	2266