

1.5", 2.5" or 3" wide line of light is integral with cabinetry

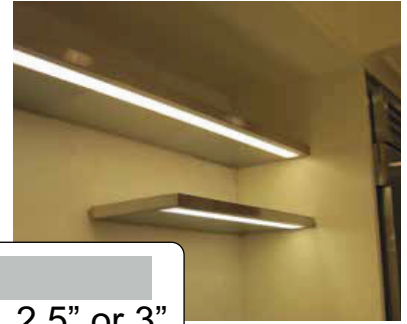
Aluminum backplate for easy mounting and heat sinking to allow continuous operation

Perfect for closets, cabinets, headboards and other casework

Smooth, flush lens provides easy to clean installation

Even wash of light

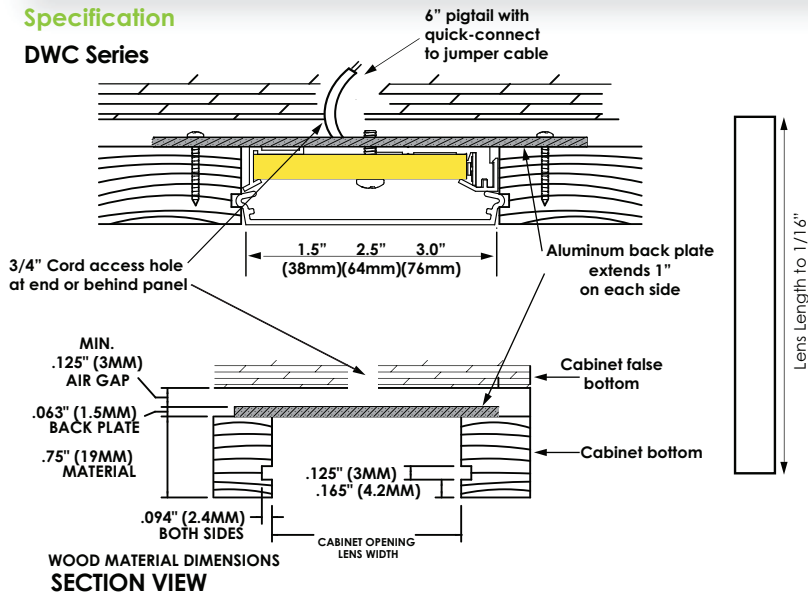
Clean linear reflection in countertops



1.5", 2.5" or 3"

Specification

DWC Series



Complete installation drawings for the production shop; showing wire way cutouts and additional production notes, are available on the web.

Specifications

Dado cavity with grooves in side walls cut during cabinet construction by others. Fixture provides a clean, easy to wipe down lens, no mechanisms to catch and hold dirt and grease. Specified size is for the finished lens opening in the cabinet, the LED module ships with 1/2" (13mm) clearance at each end for wiring clearance for installation. Order the cabinet/mill work shop install kit "DWCK", for construction dimensions and samples of components to ensure proper construction of cabinet or casework. For lengths over 80" consult factory for cord exit locations.

LED

Under driven Low Wattage White light LEDs produce even distribution with no shadows or hot spots. Blending and overlapping optics of LED keep color uniform, 2700K or 3000K LED available in 85+ or 90+ CRI. Note that 90+ CRI has R9 greater than 0, but reduces lumen output 15%.

Optics

Light guide diffuses multiple LED sources and is secured to aluminum back plate with clear plastic screws. Standard units with 15ft (4.5m) class 2 cable with DC quick connect at panel. See options for plenum rated cable. Snap in high transmission Acrylic lens provides a matte white finish for a dimensionless appearance. Lenses shipped 3" longer to allow for precise cabinet shop installation.

Modifications

Runs can be provided to the nearest 1/16" or 1mm. Consult factory for lengths over 120" (1.5M) or for complex cabinet layouts to minimize power supplies, bridging multiple boxes, and additional details such as hidden door switches.

Environmental Data

For 1ML lamping at 3000k:
W: 4.9W/ft (16W/m)
LLD: 50,000hrs @ 70%lm
20ft (6M) on one 100w driver

For 2ML lamping at 3000k :
W: 9.8W/ft (32W/m)
LLD: 50,000hrs @ 70%lm
(2) 60in (1.5M) panels on one 100w driver

Operating ambient -20C (-4F) to 30C (86F)
No Mercury, No UV
Warranty: 5 Years
ETL Listed per UL 2108 & compliant with NEC Article 410.16(A) (1) & (C)(5) for use in closet storage areas

Ordering

Series	DWC15	<input type="checkbox"/>	Dado Wood Continuous 1.5" wide
	DWC25	<input type="checkbox"/>	Dado Wood Continuous 2.5" wide
	DWC30	<input type="checkbox"/>	Dado Wood Continuous 3" wide
Lamping	1ML	<input type="checkbox"/>	175lu/ft LED 4.9w/ft (16w/m)
	2ML	<input type="checkbox"/>	350lu/ft LED 9.8w/ft (32w/m)
	_CC	<input type="checkbox"/>	Constant Current LED 2.0-8.0w/ft (121 - 485lu/ft)
	6P	<input type="checkbox"/>	228Lu/ft LED 6.1w/ft for use with LUTP power supply (269 & 299 color only)
Color	269	<input type="checkbox"/>	2650K, 90+CRI, 6P lamping only
	27	<input type="checkbox"/>	2700K, 85+ CRI
	299	<input type="checkbox"/>	2950K, 90+CRI, 6P lamping only
	279	<input type="checkbox"/>	2700K, 90+ CRI
	30	<input type="checkbox"/>	3000K, 85+ CRI
	309	<input type="checkbox"/>	3000K, 90+ CRI
		35	<input type="checkbox"/> 3500K, 85+ CRI
		40	<input type="checkbox"/> 4000K, 85+ CRI
Length	xx	<input type="checkbox"/>	Up to 80" (2032mm) single panel; longer requires multiple panels & cord access holes (one piece lens up to 26ft)
Units	mm	<input type="checkbox"/>	mm
	in	<input type="checkbox"/>	inches
Options	CL2P35	<input type="checkbox"/>	35ft Plenum rated jumper cable (replaces 15' standard cable)

Accessories DWCKxx ☐ Dado Wood C Kit for cabinet shop. Sample section, xx=width, of lens, inactive panel and backplate.
SW60 ☐ Field install switch

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.

R-DLUT96-UNV Driver

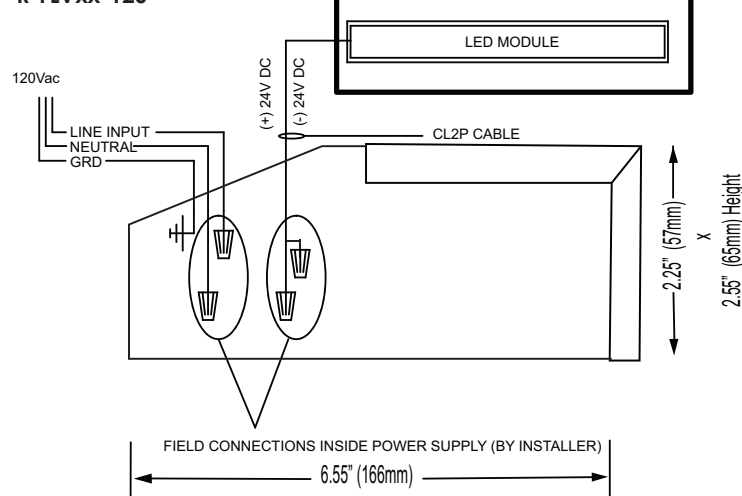
* For use with 6P lamping only.
Dims to 1%
Remote power supply 24Vdc Constant Voltage Output. 50/60Hz, 120 thru 277V input.
Class A sound rated.
Rated for Damp location use. Non-IC installations.
Dims with 3-Wire dimmer or EcoSystem™ Requires 25W minimum load. For more info visit:
<http://www.lutron.com/TechnicalDocumentLibrary/369883.pdf>

Driver*	R	<input type="checkbox"/> Remote
Drive Qty Per	-	<input type="checkbox"/> Blank for FLV & DLUTP type
Power Supply	X	<input type="checkbox"/> Factory determined with N100 or D010 type
Type	FLVxx	<input type="checkbox"/> Forward phase low voltage, 20, 40, 60 or 96W
	Nxx	<input type="checkbox"/> Non-dim 100W max.
	D010	<input type="checkbox"/> Dimming via 0-10Vdc
	D010-CC_	<input type="checkbox"/> **Constant Current (2.0-8.0w/ft)
	DLUTP96	<input type="checkbox"/> Lutron Hi-Lume Premier 96W (6P lamping only)
Voltage	UNV	<input type="checkbox"/> Universal 120-277V for N100 or D010 type
	120	<input type="checkbox"/> 120 only for FLV type
	CP	<input type="checkbox"/> Chicago Plenum rated enclosure

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

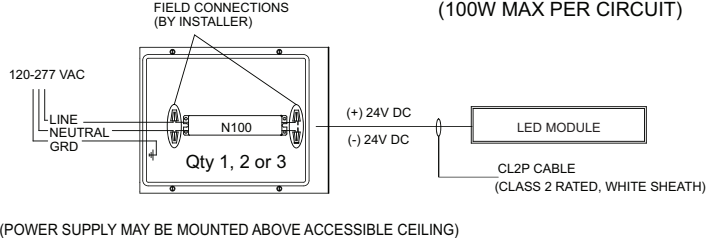
**Constant Current requires a factory programmed driver for each LED panel.

R-FLVxx-120



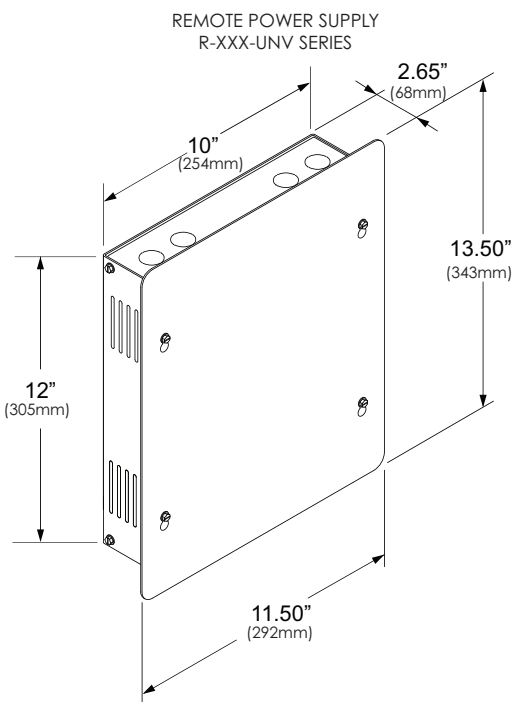
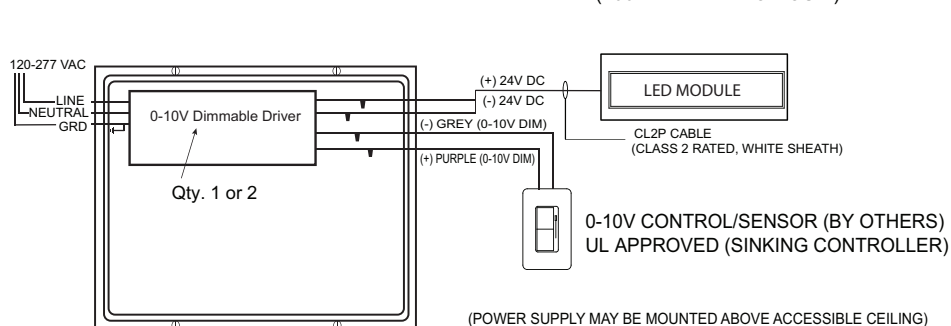
Non-Dimming - R-x-Nxx-UNV

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



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

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



Photometric Data



Lighting Sciences

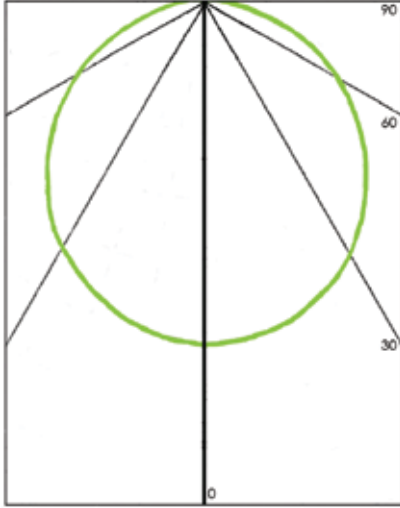
Independent Test No. 27940

LED cat number: S25-N-D1-L35-2-W-UHV-R-N12V-1C-M-22.25-M-in
Advance Driver: LED-1HTA-OO12V50-FO operating at 120v
Total Lumen: 367 lms

* Multiply all data by .50 for 1ML or .25 for 3KL or 1.39 for 8.0CC.

This is an absolute test.
Luminous Length: 22.25"
Width: 2.5"

Candlepower Distribution (cd)



Angle	Along	45°	Across
0°	130	130	130
5°	129	129	129
10°	128	127	127
15°	124	125	124
20°	120	121	120
25°	115	116	115
30°	109	110	109
35°	102	103	102
40°	94	95	94
45°	85	87	86
50°	76	77	76
55°	66	68	67
60°	56	58	57
65°	46	47	47
70°	36	37	36
75°	26	27	26
80°	16	17	16
85°	7	8	7
90°	0	0	0

Zonal Lumen Summary

Zone	Lumen	% Luminaire
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

1. Install LED Module in Dado, feed wires to power supply.



2. Secure LED module with clear plastic screws provided.



3. Snap in front lens

