



# CabinetLineDWC LED 1.5 2.5 3.0 Type:

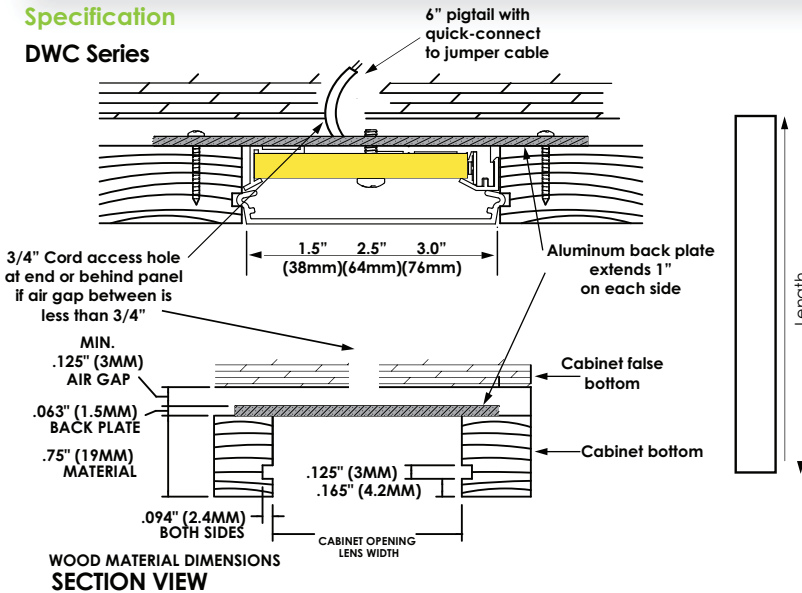
- 1.5", 2.5" or 3" wide line of light is integral with cabinetry
- Aluminum backplate for easy mounting and heat sinking to allow continuous operation
- Perfect for closets, cabinets, headboards and other casework
- Smooth, flush lens provides easy to clean installation
- Even wash of light
- Clean linear 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 1/8" (3mm) 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 Standard Output lamping at 3000k:  
W: 4.9W/ft (16W/m)  
LLD: 50,000hrs @ 70%lm  
20ft (6M) on one 100w driver

For High Output 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 (up to 485lu/ft) * 3KL in 30 & 35K only
Color	27	<input type="checkbox"/>	2700K, 85+ CRI
	279	<input type="checkbox"/>	2700K, 90+ CRI
	30	<input type="checkbox"/>	3000K, 85+ CRI
	309	<input type="checkbox"/>	3000K, 90+ CRI
Length	xx	<input type="checkbox"/>	Up to 80" (2032mm) single panel; longer requires multiple panels & cord access holes
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	<input type="checkbox"/>	Dado Wood C Kit for cabinet shop. Sample section, xx=width, of lens, inactive panel and backplate.
	SW60	<input type="checkbox"/>	Field install switch

### R-ELV Driver

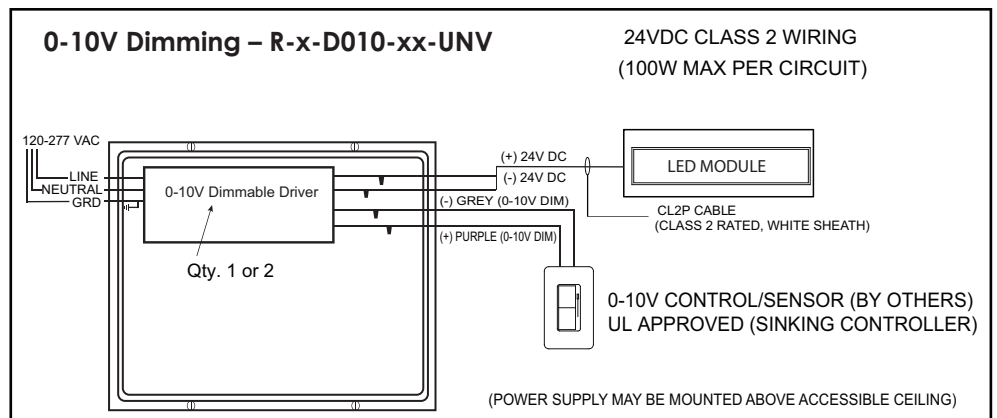
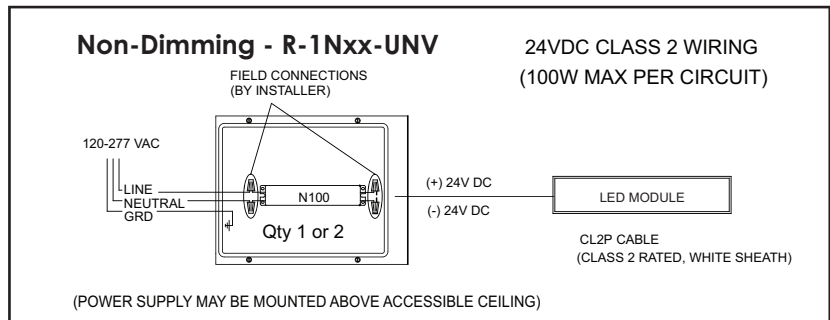
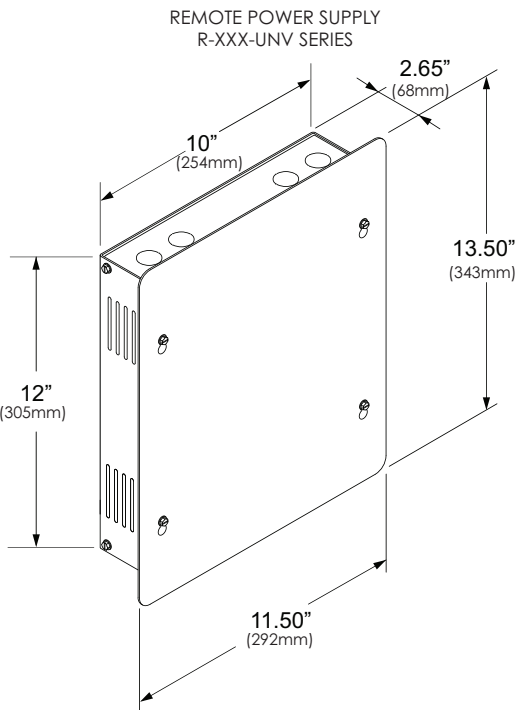
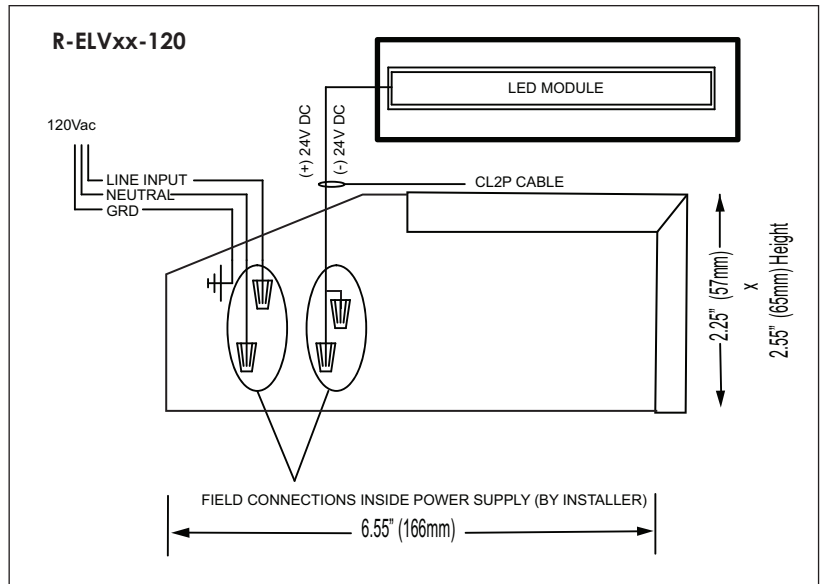
Economical low voltage remote mounted power supply with 24Vdc Constant Voltage output for simple class 2 installation. 20W, 40W, 60W or 96W; 120V 60Hz input. Minimum 50% watt load required; e.g. 10W on ELV20  
 Dims to 20% with forward phase 2-wire magnetic low voltage dimmer. Short circuit and overload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

### R-xxx-UNV Drivers

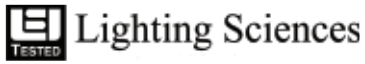
Remotely located power supply with 24Vdc Constant Voltage, or Constant Current, output for simple class 2 installation. Electronic Drivers 50/60 Hz, 120 thru 277 input. Choice of 0-10V dimming or switched on/off. Dimmable drivers with 3KL, 1ML, or 2ML may flicker below 10%. Use Constant Current version 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*       | R        | <input type="checkbox"/> Remote                                    |
| Drive Qty Per | -        | <input type="checkbox"/> Blank for ELV type                        |
| Power Supply  | X        | <input type="checkbox"/> Factory determined with N100 or D010 type |
| Type          | ELVxx    | <input type="checkbox"/> Elec low voltage, 20, 40, 60 or 96W       |
|               | Nxx      | <input type="checkbox"/> Electronic, 100W max.                     |
|               | D010     | <input type="checkbox"/> Dimming via 0-10Vdc                       |
|               | D010-CC_ | <input type="checkbox"/> **Constant Current (2.0-8.0w/ft)          |
| Voltage       | UNV      | <input type="checkbox"/> Universal 120-277V for N100 or D010 type  |
|               | 120      | <input type="checkbox"/> 120 only for ELV type                     |
|               | CP       | <input type="checkbox"/> Chicago Plenum rated enclosure            |

\*Constant factory for DALi, DMX & Lutron driver options.  
 \*\*Constant Current requires a factory programmed driver for each LED panel.



**Photometric Data**



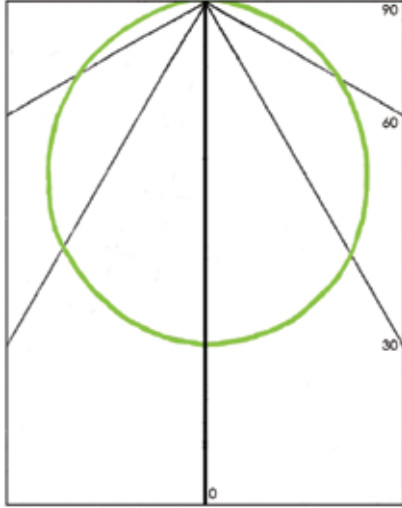
LED cat number: S25-N-D1-L35-2-W-UHV-R-N12V-1C-M-22.25-M-in  
Advance Driver: LED-1HTA-OO12V50-FO operating at 120v  
Total Lumen: 367 lms

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

Independent Test No. 27940

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

**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

