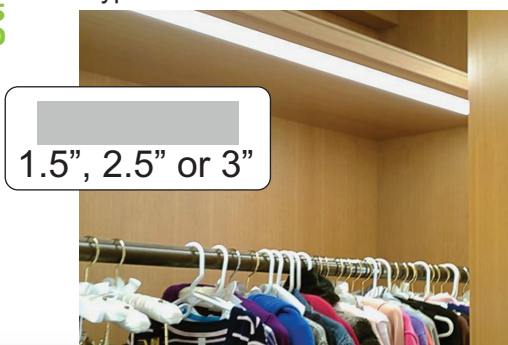
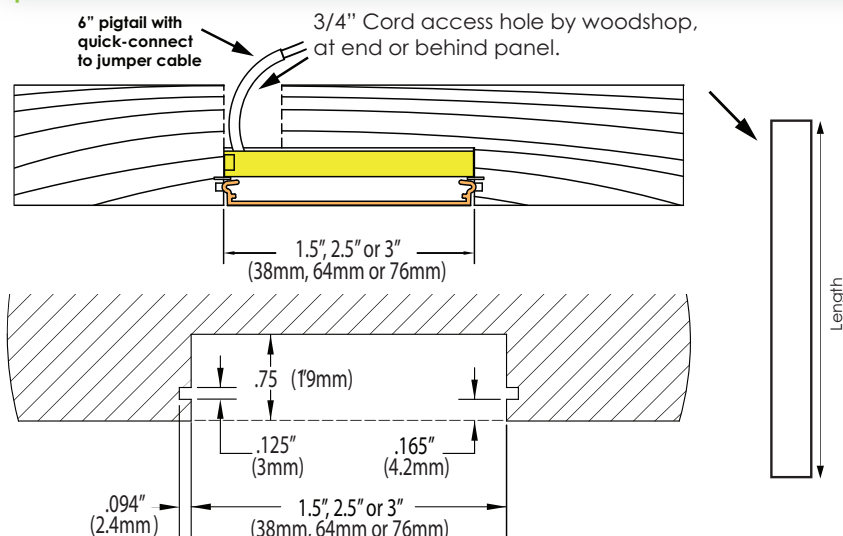


1.5", 2.5" or 3" wide line of light is integral with cabinetry
Perfect for closets, cabinets, headboards and other casework
Smooth, flush lens provides easy to clean installation
Even wash of light
Clean linear reflection in countertops
Installed in partnership with fine woodworking cabinet shops



Specification



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. Ideal for intermittent applications when LED's are on door switches. 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 "DWK", for construction dimensions and samples of components to ensure proper construction of cabinet or casework. For lengths longer than 80" consult factory for cord exit locations.

LED

Under driven Low Wattage (0.2W) White light LEDs produce even distribution with no shadows or hot spots. Blending and overlapping optics of LED keep color uniform.

Optics

Light guide diffuses multiple LED sources. 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.

Driver

Remote Power Supply provides up to 100W 24Vdc up to 4.31 Amp constant voltage or constant current output for Class II installation. Non IC installation, Type A sound rating.

Modifications

For unique custom work, lenses are Field cut for precise fit. Lengths may be modified to achieve any length in the millwork. Consult factory for complex cabinet layouts to minimize power supplies and additional details such as hidden NO/NC door switches.

Ordering

Series	DW15 ☐	Dado Wood 1.5" wide
	DW25 ☐	Dado Wood 2.5" wide
	DW30 ☐	Dado Wood 3" wide
Lamping	3KL* ☐	88Lu/ft LED 2.5w/ft (8w/m) (27 & 30 color only)
	1ML ☐	175Lu/ft LED 4.9w/ft (16w/m)
	__CC ☐	Constant Current LED 2.0-5.0w/ft. (121 - 303lu/ft)
	6P ☐	228Lu/ft LED 6.1w/ft for use LUTP power supply (269 & 299 color only)
Color	269 ☐	2650K, 90+CRI, 6P lamping only
	27 ☐	2700K, 85+ CRI
	279 ☐	2700K, 90+ CRI
	299 ☐	2950K, 90+CRI, 6P lamping only
	30 ☐	3000K, 85+ CRI
	309 ☐	3000K, 90+ CRI
	35 ☐	3500K, 85+ CRI
Length	xx ☐	Up to 80" (2032mm) single panel; longer requires multiple panels & cord access holes (one piece lens up to 26ft)
Units	mm ☐	mm
	in ☐	inches
Options	CL2P35 ☐	35ft Plenum rated jumper cable (replaces 15' standard cable)

Accessories

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

Environmental Data

For 3KL lamping at 3000k:
W: 2.5W/ft (8W/m)
LLD: 50,000hrs @70%lm
40ft* (12m) on one 100W driver
*May require longer feed cable

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

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 ☐ Remote

Drive Qty Per - ☐ Blank for FLV & DLUTP type

Power Supply X ☐ Factory determined with N100 or D010 type

Type

FLVxx ☐ Forward phase low voltage, 20, 40, 60 or 96W

Nxx ☐ Non-dim 100W max.

D010 ☐ Dimming via 0-10Vdc

D010-CC ☐ **Constant Current (2.0-8.0w/ft)

DLUTP96 ☐ Lutron Hi-Lume Premier 96W (6P lamping only)

Voltage

UNV ☐ Universal 120-277V for N100 or D010 type

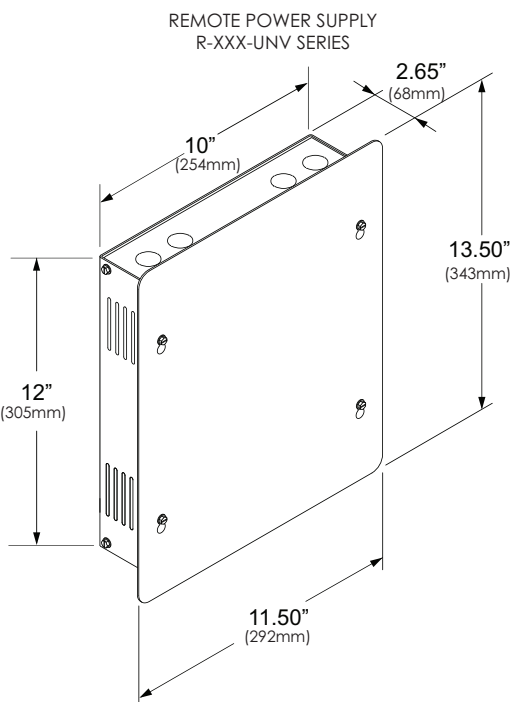
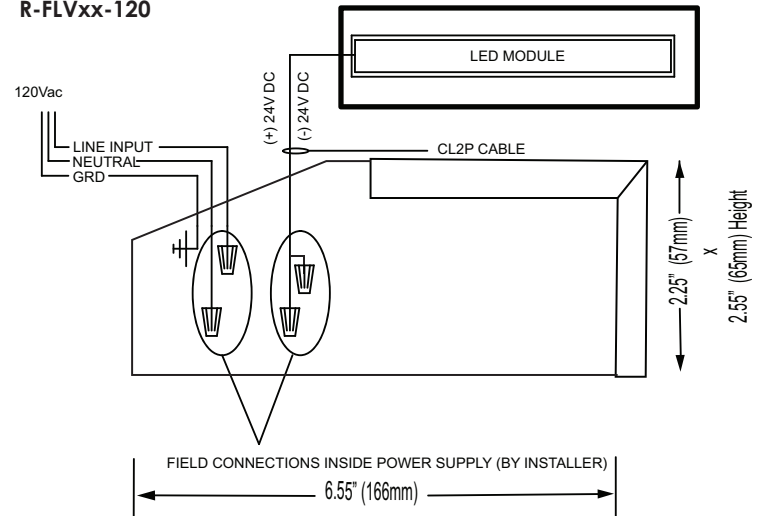
120 ☐ 120 only for FLV type

CP ☐ Chicago Plenum rated enclosure

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

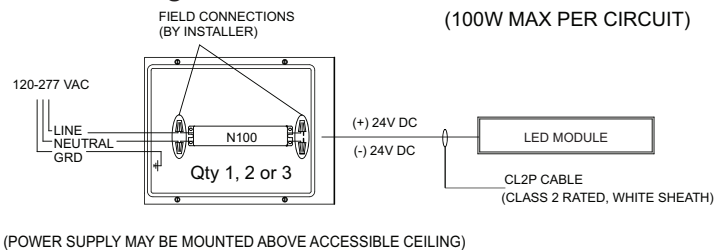
**Constant Current requires a factory programmed driver for each LED panel.

R-FLVxx-120



Non-Dimming - R-x-Nxx-UNV

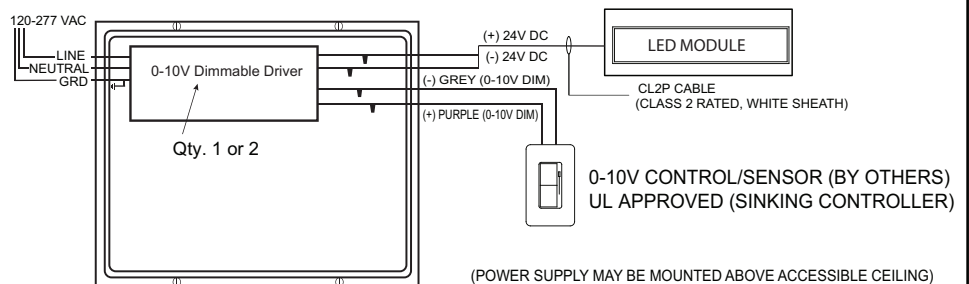
24VDC CLASS 2 WIRING
(100W MAX PER CIRCUIT)



(POWER SUPPLY MAY BE MOUNTED ABOVE ACCESSIBLE CEILING)

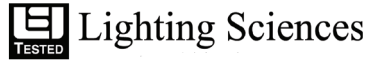
0-10V Dimming - R-x-D010-xx-UNV

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



(POWER SUPPLY MAY BE MOUNTED ABOVE ACCESSIBLE CEILING)

Photometric Data



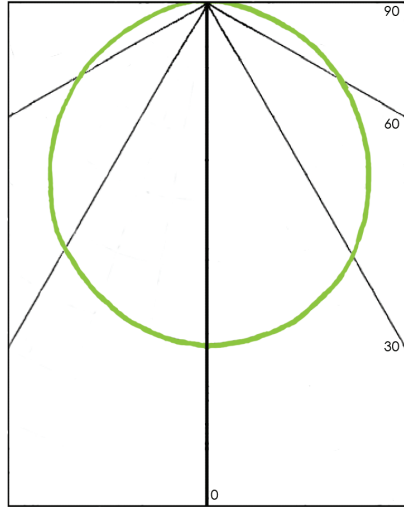
Independent Test No. 27940

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. Install Glazier mounting points to hold module in place.



3. Snap in front lens.

