

2L-RW-D

MOD™ 2 LED RECESSED WALL DIRECT

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

FEATURES

- Variable Intensity technology provides a range of specifiable outputs and resulting fixture wattages
- 2 SDCM color consistency
- TriGain® Technology provides superior color quality without compromising efficacy. The 2L-RW-D series delivers 90 CRI at 112 LPW



CONTROLS TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Housing constructed from die-formed and welded steel with wiring knockouts in top
- End caps constructed from die-formed steel.

OPTICAL PERFORMANCE

- 2 SDCM color consistency, 90 CRI
- SOF: Soft diffuse acrylic lens
- ASYM: Asymmetric Highly transmissive diffuse acrylic lens with linear prisms
- BAT: "Batwing" distribution created from highly transmissive diffuse acrylic lens with linear prisms

INSTALLATION

- PT Mounting: Continuous spackle trim with beaded edge welded to housing. Spackle trim allows plaster coat up to fixture edge for clean ceiling appearance
- 90° Wall to Ceiling Mounting configurations available. Fixtures provided with special end caps with knockouts that allow for conduit (by others) to be run from wall to ceiling fixtures. C90L, C120L, C135L pattern configurations not available for ceiling to wall intersection

ELECTRICAL

- Variable Intensity (VI) technology allows precise specification of fixture output/wattage. Fixture will be programmed and labeled to specification. Indirect and direct hemispheres can be independently specified

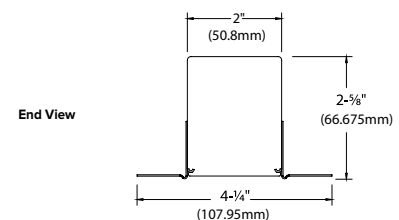
ELECTRICAL (CONTINUED)

- LED boards and drivers can be accessed and removed from fixture, while installed
- Entire LED module can be removed and replaced
- 1C (1 Circuit) Fixture wired for a single circuit
- Emergency Battery: 10W battery powered driver. Provides a minimum of 90 minutes of emergency lighting. Inverter-Compatible. Provided by others. Available in: 6'- EF L or R: D030 through D100; 8'- EF Full: D030 through D055; 8'- EF L or R: D030 through D100. Available with SOF, ASYM, BAT downlight diffusers. Test switch located in lens. For rows where the battery fixture is in the middle of a row, the test switch will be located in that section
- Current's patented TriGain® phosphor delivers 90 CRI color quality at 80 CRI efficacy

CONTROLS

- Sensors install between diffusers
- NX Lighting Controls provides options for standalone and networked integrated sensor with wired or wireless connectivity for NX system deployments
- SpectraSync™ Color Tuning Technology: Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants

MOD[™]X



	Weight
2L-RW-D	3 lbs/ft

CERTIFICATIONS

- CSA listed for damp location
- IBEW
- AF of L
- UL924
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225-11). See [Buy America\(n\) Solutions](#).
- Emergency Battery Backup options are California Energy Commission (CEC) Title 20 Compliant.

WARRANTY

- LED boards - 5 years
- LED drivers (standard) - 5 years
- LED drivers (Lutron) - 3 years

KEY DATA	
Lumen Range Per Foot	D: 300–1000
Wattage Range Per Foot	2.8–9.1
Efficacy Range (LPW)	108–112
Rated Life (Hours)	L90:>60,000

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ORDERING GUIDE

Example: 2L-PT-WDC-8-4-.3-.3-08-SOF-C1-27K9-D030-D01-1C-UNV

CATALOG #

2L															
Series		Mounting		Fixture Distribution		Wall Length (In Feet)		Ceiling Length (In Feet)		Wall Length Adder		Ceiling Length Adder		Max Length in Row	
2L	MOD	PT	Drywall with plaster trim (trimless finish)	WDC	Direct	___'W	Enter in foot increments	___'C	Enter in foot increments	.3	Wall length +3"	.3	Wall length +3"	02	2', 609 mm
				WCAD	Asymmetric Direct					.6	Wall length +6"	.6	Wall length +6"	03	3', 914 mm
										.9	Wall length +9"	.9	Wall length +9"	04	4', 1219 mm
										Measured in Inches		Measured in Inches		05	5', 1524 mm
														06	6', 1829 mm
														08	8', 2438 mm
Direct Optical Distribution		Finish/Color ³		Color Temperature				Direct Output/ft ⁶		Driver		Circuiting			
SOF	Soft Diffuse Lens, Lambertian	C1	Matte White (Default)	27K9	2700K, 90 CRI ⁴			D030	300 (min)	D01	1% Dimming, 0–10V		1C	1 Circuit	
				30K9	3000K, 90 CRI				to	D00	1% Dim-to-Off, 0–10V				
ASYM	Asymmetric Diffuse Lens ^{1,2}	C2	Textured Matte White	35K9	3500K, 90 CRI			D100	1000 (max)	D05	SpectraSync 5% Dimming, 0–10V ⁷				
				40K9	4000K, 90 CRI					DS1	1% Dimming w/ Soft Start, 0–10V				
BAT	Batwing Lens	C3	Light Silver	50K9	5000K, 90 CRI ⁴					DS0	1% Dim-to-Off w/ Soft Start, 0–10V				
		C4	Machined Aluminum	2230TD	2200K–3000K SpectraSync™ Dim-to-Warm ^{4,5}					LEC	Hi-lume 1% Ecosystem LED Driver ⁴				
		C5	Carbon Black	2765T	2700K–6500K SpectraSync™ Tunable White ^{4,5}					DALI	DALI ¹				
		C6	Textured Camera Black							DALIP	Powered by DALI (2.0) ¹				
		CC	Custom Color							NDM	Non-Dimming				

OPTIONAL

Voltage	Nightlight	Emergency	Thru-wiring	Patterns ^{4,11}	Chicago Environmental Air Modification
UNV Universal Voltage (120V through 277V) 347 347 Volt ^{4,8}	NL Nightlight Circuit Required. Enter quantity. 2NL = 2 nightlight circuits/row	EF 10W Emergency Battery Pack. Enter quantity. 2EF = 2 emergency batteries/row. (CEC Title 20 Compliant) ⁹	W1 No Thru Wire W2 Provide Normal and Emergency/ Nightlight Thru Wiring ¹⁰ W3 Provide Normal Thru Wiring Only	C90L Illuminated 90° Corner C120L Illuminated 120° Corner C135L Illuminated 135° Corner	CCEA Chicago Environmental Air Modification

Control Options⁴

NX Networked – Wired

- NXE NX Wired Dual RJ45 SmartPORTS, without Sensor^{12,13}
- NXESM NX Wired Dual RJ45 SmartPORTS and Integral NXSMP2-SMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming^{12,13}

NX Networked – Wireless

- NXWSM NX Networked Wireless Enabled Integral NXSMP2-SMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming^{12,13}
- NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth® Programming, without Sensor^{12,13}

Sensors

- SD1 Daylight Sensor Required. Enter quantity. 2SD1 = 2 daylight sensors/row
- SO1 Occupancy Sensor Required. Enter quantity. 2SO1 = 2 occupancy sensors/row

Notes:

- Not Available with Patterns.
 - Must be ordered with WCAD.
 - Visit currentlighting.com/litecontrol for details.
 - Additional lead time may be applicable. Contact factory.
 - Must be ordered with D05 Driver option; excludes 2' lengths and patterns.
 - Specifiable in 50 lumen increments. Reference the Performance Data Table for full performance offering and exceptions.
 - Must be ordered with 2230TD or 2765T option
 - Excludes Emergency Battery Pack 'EF' Option. Excludes DALI, DALIP and Lutron (LEC) Dimming Drivers
 - EF - 10W battery powered driver. Provides a minimum of 90 minutes of emergency lighting. Inverter-Compatible. Provided by others.
 - Only applicable when specified with Emergency/Nightlight.
 - Contact Factory for pattern configurations. Approval drawings required.
- NX In-Fixture Control Options:**
- Not available for row mounting. Only available with 0–10V Driver options. Contact factory for length restrictions.
 - Refer to NX Integrated Controls Reference Table for Functionality of Options.






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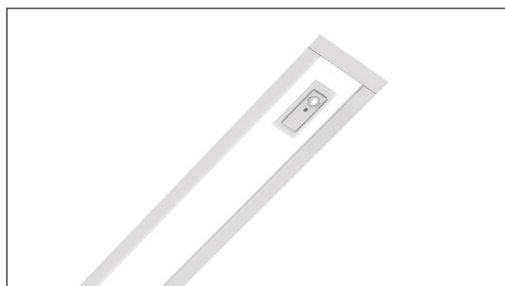
CONTROLS OPTIONS AND FUNCTIONALITY



Control Option Ordering Logic & Description			Control Option Functionality										Control Option Components	
			Sensor	Networkable	Grouping	Scheduling	Occupancy/ Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth® App Programming	Sensor Height		
NX Wired	NXE	NX Wired Dual RJ45 SmartPORTS, without Sensor	N/A	✓	✓	✓	–	–	✓	✓	Requires NXBTC dongle ¹	–		NXDSP
	NXERM	NX Wired Dual RJ45 SmartPORTS and Integral NXSMP2-LMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming	NXSMP2-LMI	✓	✓	✓	✓	✓	✓	✓	✓	Max: 12'	 	NXSMP2-LMI NXDSP
NX Wireless	NXWRM	NX Networked Wireless Enabled Integral NXSMP2-LMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming	NXSMP2-LMI	✓	✓	✓	✓	✓	✓	✓	✓	Max: 12'		NXSMP2-LMI
	NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth® Programming, without Sensor	N/A	✓	✓	✓	–	–	✓	✓	✓	–		NXRM2-H

¹ NXBTC needs to be plugged into an available NX SmartPort™ on the fixture network

2L-RW-D WITH NXWRM WIRELESS CONTROL OPTION



CONTROLS TECHNICAL SUPPORT

1-800-888-8006 (7:00 am–7:00 pm est)

APP INFORMATION

NX Lighting Controls App



The NX Lighting Controls App is a free to use mobile application for programming both an NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enabled luminaires and program your NX system settings.



Android



Apple iOS

NX Connect App



The NX Connect mobile App is a free to use mobile application for programming a NX Connect System. The mobile App allows you to discover, configure and share your NX Connect system.



Apple iOS

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CONTROLS OPTIONS AND FUNCTIONALITY (CONTINUED)

SpectraSync™ Color Tuning Technology:

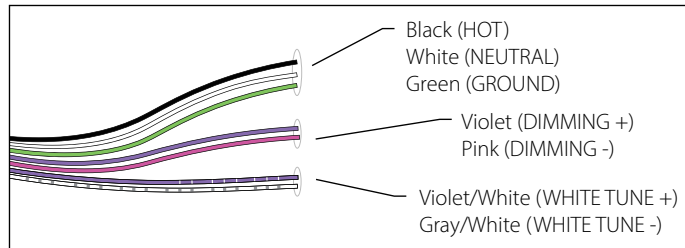
Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync™ Color Tuning Technologies.



SPECTRASYNCH COLOR TUNING TECHNOLOGY		
Mode	Kelvin Range	Description
Dim to Warm	2200K–3000K	Mimics the familiar warming effect that occurs with traditional incandescent sources as they are dimmed
Tunable White	2700K–6500K	Offers users the ability to tailor CCT to their personal preference, enhancing task visibility, material and colors or the aesthetics of the space
Scheduled White	2700K–6500K	Mimics the rhythm of natural light or follows an alternative user-defined schedule throughout the day, enhancing an occupant's mood and well-being

SpectraSync Tunable White

Available in 2765T (2700K–6500K). Requires two 0–10V controllers, one for intensity and one for CCT. Minimum 5% dimming.

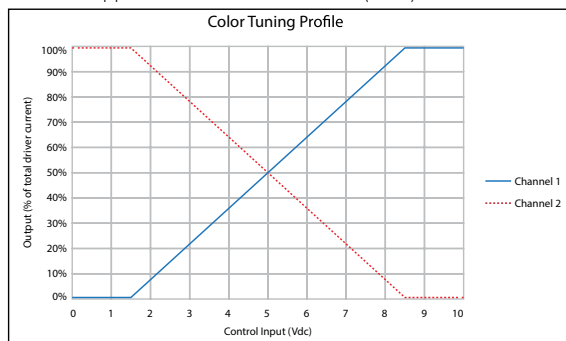


SpectraSync Tunable White luminaires are provided with two 0–10V circuits. The violet and pink circuit is for wiring to any qualified 0–10V controller for dimming. The violet/white and gray/white circuit is for wiring to any qualified 0–10V controller for Tunable White CCT control.

Controller Manufacturer Data

SpectraSync Tunable White was designed to be used with sinking style dimmers (provided by others) and is compatible with:

- Current: NX Lighting Controls Room Controllers (NXRC) and In-fixture Controllers (NXFM)
- Lutron: DDTV, DVSTV, and NFTV dimmers
- Wattstopper: ADF120277 and CD4BL (Titan) dimmers



PERFORMANCE DATA TABLE

The table below shows the delivered lumens for the various lumen outputs. Use this chart in connection with the output multiplier capability to deliver any output required.

Nomenclature	Lumens/Ft	W/Ft	Efficacy
Downlight			
D030 (min)	300	2.8	108
D050	500	4.5	111
D075	750	6.7	111
D100 (max)	1000	9.1	110

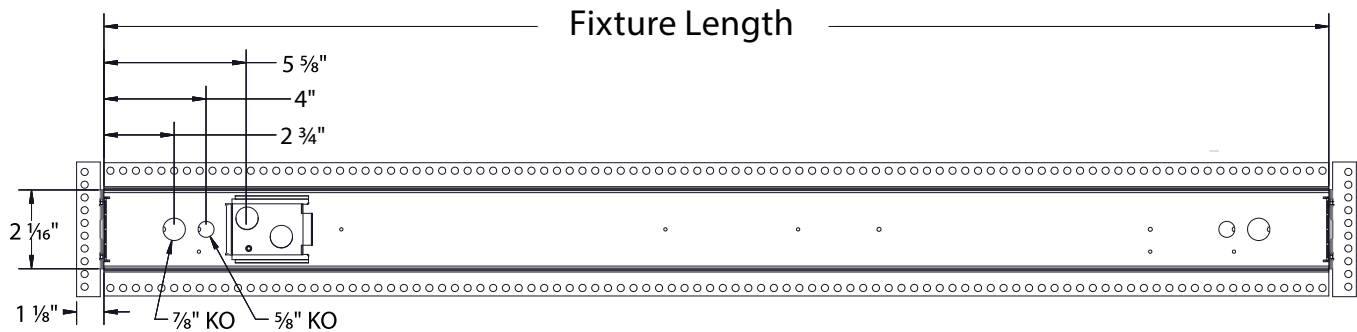
(wattage may vary up to 5% from published)

Output Multiplier Table

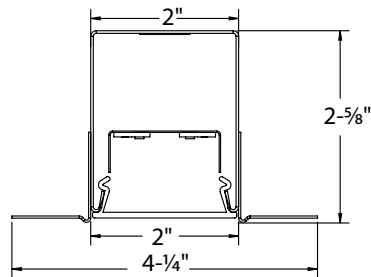
Photometrics for the Mod Family are published here at a nominal 3500K temperature. This table may be used to approximate the lumen values at different Kelvin temperatures. Power consumption would stay the same.

Option	2700K 90 CRI	3000K 90 CRI	3500K 90 CRI	4000K 90 CRI	5000K 90 CRI
SOF	0.89	0.96	1.00	1.00	0.99
REG	0.69	0.74	0.77	0.77	0.76
BWO	0.62	0.67	0.70	0.70	0.69
ASYM	0.89	0.96	1.00	1.00	0.99
BAT	0.89	0.96	1.00	1.00	0.99
DRP	0.89	0.96	1.00	1.00	0.99

DIMENSIONS

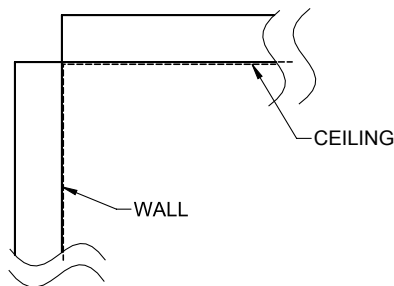


INDIVIDUAL MOUNTING



2L-PT

END CAP VIEW



PATTERNS

PHOTOMETRY

2L-R-D-4-SOF-CX-35K9-D075

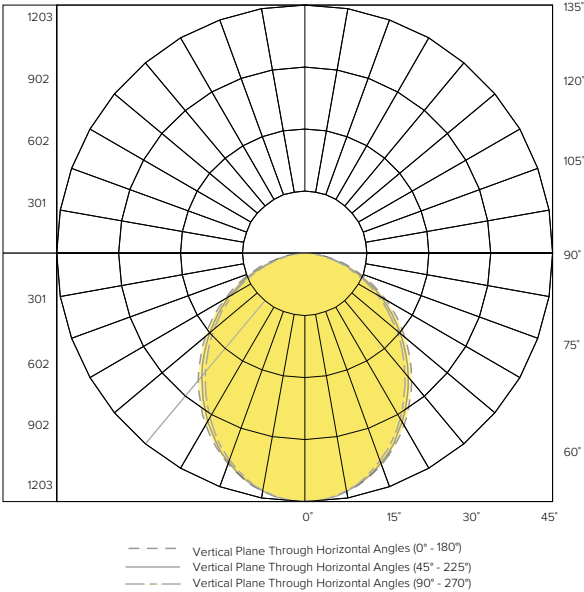
LUMINAIRE DATA

Description	2L Linear Direct 3500K
Delivered Lumens	3000
Watts	27
Efficacy	111
Mounting	Recessed

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1437.41	47.90
0-60	2432.76	81.10
0-90	3000.00	100.0
0-180	3000.00	100.0

POLAR GRAPH



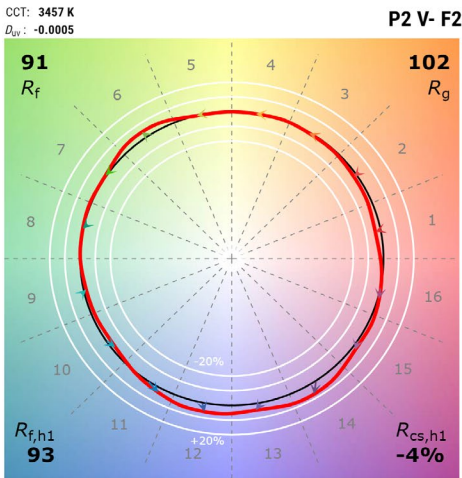
2L-RW-D

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TM-30 DATA

COLOR VECTOR GRAPHIC



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ADDITIONAL INFORMATION

Driver

D01	100%–1% dimming range. Fixture will be wired for low voltage 0–10V dimming control.
D00	Dim-to-Off 100%–1% dimming range. Fixture will be wired for low voltage 0–10V dimming control.
D05	100%–5% dimming range. Fixture will be wired for low voltage 0–10V dimming control. Only applicable if either 2230TD, 2750T or 2765T is selected.
DS1	Soft-Start 100%–1% dimming range. Fixture will be wired for low voltage 0–10V dimming control.
DS0	Soft-Start Dim-to-Off 100%–1% dimming range. Fixture will be wired for low voltage 0–10V dimming control.
LEC	Hi-Lume 1% EcoSystem LED Driver with Soft-On, Fade-to-Black dimming technology.
DALI	DALI compatible.
DALIP	Self-Powered DALI bus (e.g. DEXAL)
NDM	Non-dimming. Fixture will be wired for fixed light output.

Rated Life

Tested in accordance to LM79-2008 & derived from EPA TM-21 calculator

L70: 280,000 (calculated per TM-21 extrapolated curve)

L70: >61,000 (reported per TM-21/LM80 6x's limitation)

L90: 72,000 (calculated per TM-21 extrapolated curve)

L90: >61,000 (reported per TM-21/LM80 6x's limitation)

Rated Life (Driver)

Standard = 100,000 hours

Lutron = 50,000 hours