LITECONTROL
making light work™

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

3L-RW-D

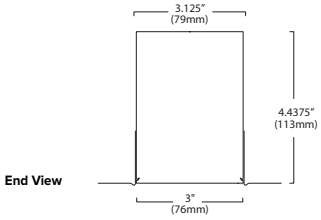
MOD™ 3 LED RECESSED WALL DIRECT

MODx

FEATURES

- Variable Intensity technology provides a range of specifiable outputs and resulting fixture wattages
- 2 SDCM color consistency
- End cap design eliminates visible diffuser seams/gaps
- TriGain® Technology provides superior color quality without compromising efficacy. The 3L-RW-D series delivers 90 CRI at 116 LPW

CONTROLS TECHNOLOGY



	Weight
3L-RW-D	3 lbs/ft

SPECIFICATIONS

CONSTRUCTION

- Housing constructed from die-formed and welded steel with wiring knockouts in top
- End caps constructed from die-formed steel. Installs from below via magnetic interface
- End caps overlap diffuser at each fixture end to eliminate gaps and LED visibility

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
- 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 4'+' fixtures
- 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

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: 300–1250
Wattage Range Per Foot	2.6–10.9
Efficacy Range (LPW)	109–116
Rated Life (Hours)	L90: >60,000

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ORDERING GUIDE

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

CATALOG # _____

3L –

Series	Mounting	Fixture Distribution	Wall Length (In Feet)	Ceiling Length (In Feet)	Wall Length Adder	Ceiling Length Adder	Max Length in Row
3L MOD	**PT** Drywall with plaster trim (trimless finish)	**WDC** Direct **WCAD** Asymmetric Direct	**__'W** Enter in foot increments	**__'C** Enter in foot increments	**.3** Wall length +3" **.6** Wall length +6" **.9** Wall length +9" Measured in Inches	**.3** Wall length +3" **.6** Wall length +6" **.9** Wall length +9" Measured in Inches	**02** 2', 609 mm **03** 3', 914 mm **04** 4', 1219 mm **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 **ASYM** Asymmetric Diffuse Lens [1, 2] **BAT** Batwing Lens	**C1** Matte White (Default) **C2** Textured Matte White **C3** Light Silver **C4** Machined Aluminum **C5** Carbon Black **C6** Textured Camera Black **CC** Custom Color	**27K9** 2700K, 90 CRI [4] **30K9** 3000K, 90 CRI **35K9** 3500K, 90 CRI **40K9** 4000K, 90 CRI **50K9** 5000K, 90 CRI [4] **2230TD** 2200K–3000K SpectraSync™ Dim-to-Warm [5] **2765T** 2700K–6500K SpectraSync™ Tunable White [5]	**D030** 300 (min) *to* **D125** 1250 (max)	**D01** 1% Dimming, 0–10V **D00** 1% Dim-to-Off, 0–10V **D05** SpectraSync 5% Dimming, 0–10V [7] **DS1** 1% Dimming w/ Soft Start, 0–10V **DS0** 1% Dim-to-Off w/ Soft Start, 0–10V **LEC** Hi-lume 1% Ecosystem LED Driver **DALI** DALI [4] **DALIP** Powered by DALI (2.0) [4] **NDM** Non-Dimming	**1C** 1 Circuit

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 Options [4]

NX Networked – Wired

NXE NX Wired Dual RJ45 SmartPORTS, without Sensor [12, 13]

NXERM NX Wired Dual RJ45 SmartPORTS and Integral NXSMP2-LMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming [12, 13]

NX Networked – Wireless

NXWRM NX Networked Wireless Enabled Integral NXSMP2-LMI 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

SZ1 Zigbee Radio Module Required. Enter quantity. 2SZ1=2 radio modules/row. Radio controls up to 10 drivers. Must be ordered with D00.

Notes:

1 Not Available with Patterns.
2 Must be ordered with WCAD.
3 Visit currentlighting.com/litecontrol for details.
4 Additional lead time may be applicable. Contact factory.
5 Must be ordered with D05 Driver option; excludes 2' lengths and patterns.
6 Specifiable in 50 lumen increments. Reference the Performance Data Table for full performance offering and exceptions.
7 Must be ordered with 2230TD or 2765T option
8 Excludes Emergency Battery Pack 'EF' Option. Excludes DALI, DALIP and Lutron (LEC) Dimming Drivers
9 EF - 10W battery powered driver. Provides a minimum of 90 minutes of emergency lighting. Inverter-Compatible. Provided by others.
10 Only applicable when specified with Emergency/Nightlight.
11 Contact Factory for pattern configurations. Approval drawings required.

NX In-Fixture Control Options:

12 Not available for row mounting. Only available with 0–10V Driver options. Contact factory for Length restrictions.
13 Refer to NX Integrated Controls Reference Table for Functionality of Options.

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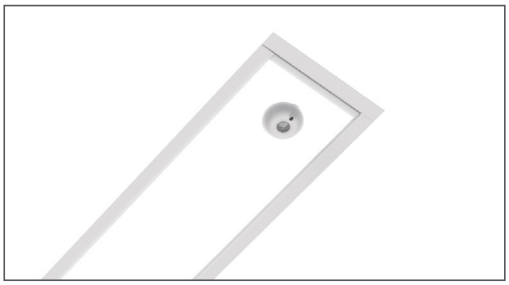
CONTROLS OPTIONS AND FUNCTIONALITY

	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
NX Wired	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
NX Wireless	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

3L-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)

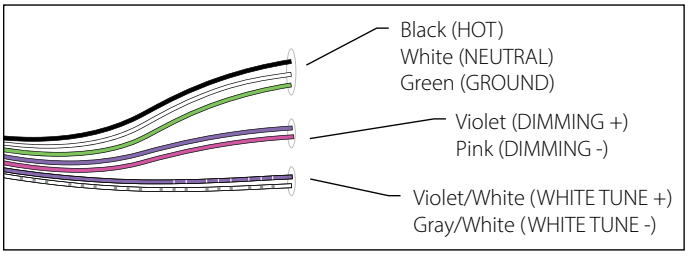
SpectraSync™ Color Tuning Technology:

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.

SPECTRASYNC 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.

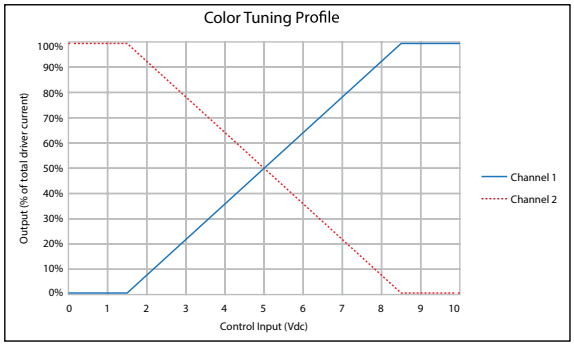


SpectraSync Tunable White luminaires are provided with two 0–10V circuits. The violet and pink circuit is for wiring to any qualified 0–10V controller for dimming. The violet/white and gray/white circuit is for wiring to any qualified 0–10V controller for Tunable White CCT control.

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: DVTV, DVSTV, and NFTV dimmers
- Wattstopper: ADF120277 and CD4BL (Titan) dimmers



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3L-RW-D

MOD™ 3 LED RECESSED WALL DIRECT

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	2.6	114
D050	500	4.3	116
D075	750	6.6	113
D125	1250	10.9	115

(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
LPAD	0.80	0.86	0.90	0.90	0.89

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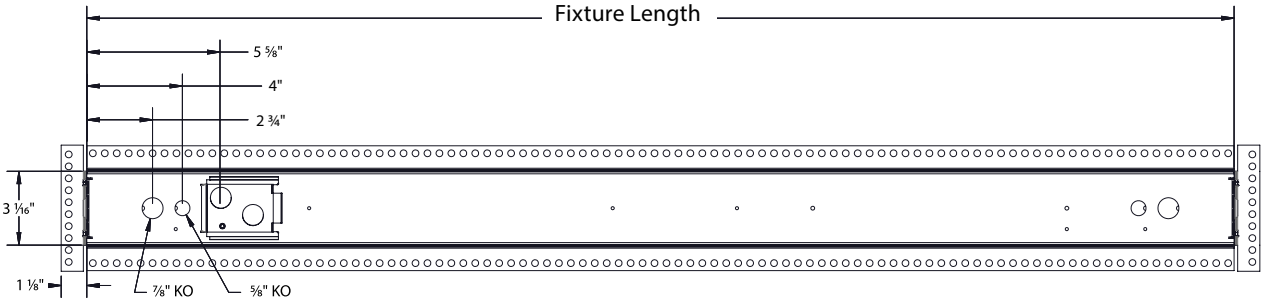
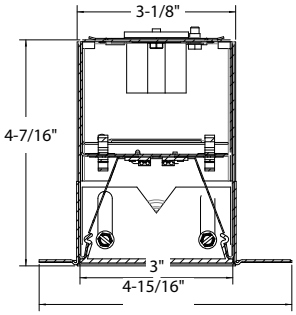
3L-RW-D

MOD™ 3 LED RECESSED WALL DIRECT

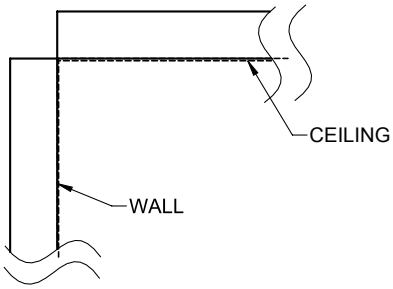
DIMENSIONS



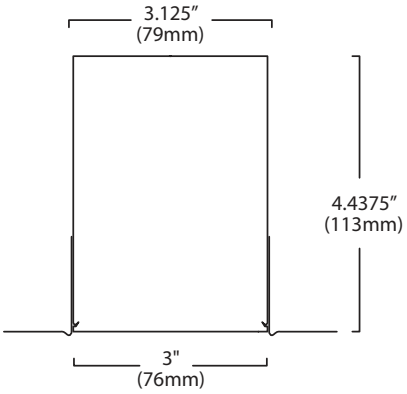


3L-PT

INDIVIDUAL MOUNTING



PATTERNS



END CAP VIEW

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3L-RW-D

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PHOTOMETRY

3L-R-D-4-SOF-CX-35K9-D075

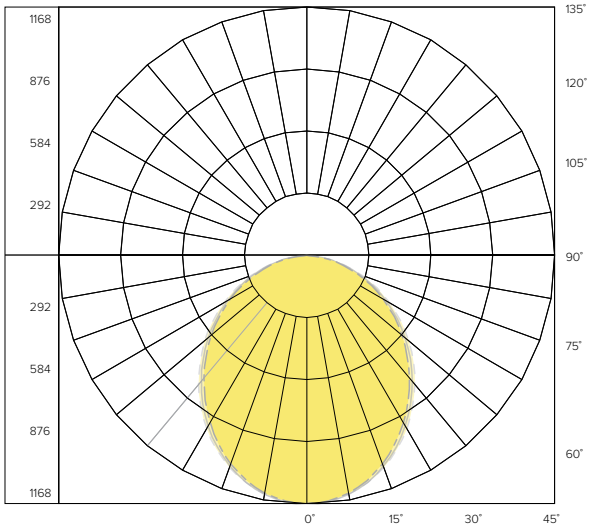
LUMINAIRE DATA

Description	**MOD 4L Recessed Wall Direct**
Delivered Lumens	**3000**
Watts	**26.5**
Efficacy	**113**
Mounting	**Recessed**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0–40	1408.15	46.90
0–60	2406.05	80.20
0–90	2999.83	100.00
0–180	2999.83	100.00

POLAR GRAPH



Vertical Plane Through Horizontal Angles (0° - 180°)
Vertical Plane Through Horizontal Angles (45° - 225°)
Vertical Plane Through Horizontal Angles (90° - 270°)

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3L-RW-D

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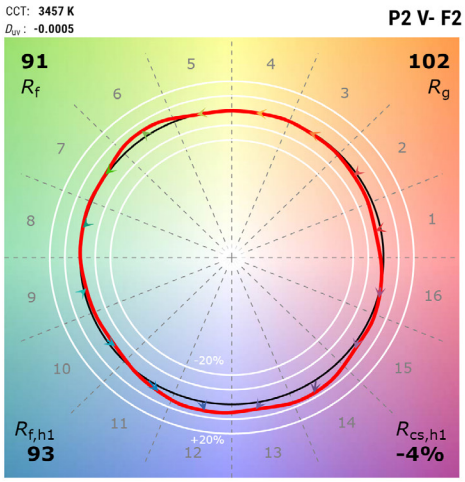
TM-30 DATA

COLOR VECTOR GRAPHIC



*Graphics shown are at 35K

Reference Illuminant — Test Source

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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

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