

FEATURES

- Variable Intensity technology provides a range of specifiable outputs and resulting fixture wattages
- 2 SDCM color consistency
- Perimeter mount with 4 regression depths



CONTROLS



SPECIFICATIONS

CONSTRUCTION

- Housing contructed 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 elimate gaps and LED visibility

OPTICAL PERFORMANCE

- 2 SDCM color consistency, 80 or 90 CRI
- SOF: Soft diffuse acrylic lens
- NRW: Highly transmissive diffuse acrylic lens with linear prisms
- ASYM: Asymmetric Highly transmissive diffuse acrylic lens with linear prisms

INSTALLATION

- Finish of wall should extend 7" above ceiling. Continuous Fixture Support Rail is provided for ease of installation. Ceiling construction must be supported independently of the lighting. Installations with straight extensions must be specified with wall-to-wall lengths. For optimal spacing from the wall, the amount of light provided will be rounded down to the nearest foot, unless this results in the fixture being < 2" away from the wall
- Ex. A 20'-4" through 21'-3" wall-to-wall length will result in 20' of light. A wall-to-wall length of 20'-3" will produce 19' of light. For recommended wall uniformity, fixture should be between 2-4" from wall. For more precise lighting, 3" increment fixtures are available.
- LG/NG/SS Mounting: Plenum cover to rest on t-bar
- DW Mounting: Trimless appearance with fixture resting on back of drywall. For non-SE rows, drywall must be "finished" to close off fixture

INSTALLATION (CONTINU	ED)

- Patterns: End of row straight extensions allow for adjustability of fixture to be 0.5"-8.5" away from wall. For NRW diffuser option, fixture is recommended to be no less than 2" away from wall. Field cut corner pieces allow for 85-160° inside corners and 70-160° outside corners. See image for further clarification
- · Fixture weight: 3lbs/ft

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 6' & 8' fixtures. Available with SOF, NRW, ASYM downlight diffusers

CONTROLS

- Sensors install between diffusers
- NX Distributed Intelligence[™]: Supports indoor and outdoor applications, wired, wireless and hybrid networked NX lighting control deployments and enabled emerging applications, such as Hubbell Lighting's SpectraSync[™] Color Tuning Technology
- SpectraSync[™] Color Tuning Technology: Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	





8 <u>2L-WS-D</u> 8 <u>4L-WS-D</u> 8 <u>6L-WS-D</u>

CERTIFICATIONS

- DLC[®] (DesignLights Consortium) Qualified see www.designlights.org
- CSA listed for damp location
- IBEW
- AF of L
- UL924
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction. Materials under Trade Agreements effective 8/14/2020. See <u>Buy American Solutions</u>. Contact factory for configurations including SpectraSync, NX, or sensors.

WARRANTY

- LED boards 5 years
- LED drivers (standard) 5 years
- LED drivers (Lutron) 3 years
- · See www.litecontrol.com for details

KEY DATA	
Lumen Range Per Foot	D: 300–1100
Wattage Range Per Foot	2.6–10.1
Efficacy Range (LPW)	109–116
Rated Life (Hours)	L70: >61,000 L90: >61,000





ORDERING GUIDE

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

Example: 3L-WSO-DW-ID-8-.3-08-SOF-C1-27K-D030-D01-1C-UNV-EC

ATALOG #								30-010-10-83-08-	-30F-CI-27K-D030-D01-IC-011V
ATALOG # L eries L MOD	WS3 Wall/Slov mounter regresse WS4 Wall/Slov mounter	t perimeter d, flush t perimeter d, 2" ed depth t perimeter d, 3" ed depth t perimeter	Ceiling Type ¹ DW Drywall (trimless finish) LG 15/16 Grid NG 9/16 Grid SS 9/16 Screw Slot	Fixture Distribution D Direct AD Asymmetric Direct	Row Leng	in .3 ments .6 .9	w Length adder Row Length +3" Row Length +6" Row Length +9" easured in Inches	Max Length in Row 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 SOF Soft Diffuse Lens NRW Narrow Beam Grazer Lens (WS2, WS3, WS4 only) ASYM Asymmetric Diffuse Lens ^{2,3}
C2 Texture C3 Light Sil C4 Machin C5 Carbon	White (Default) ed Matte White Iver ed Aluminum n Black d Camera Black	27K 30K 35K 40K 50K 27K9 30K9 35K9 40K9 50K9 2230TD 2750T 2750T	2700K-5000K Spect	raSync [™] Dim-to-Warm ⁶ raSync [™] Tunable White ⁶ raSync [™] Tunable White ⁶	D030	- Output/ft? 300 (min) ⁸ <i>to</i> 1250 (max)	D001% Dim-1D05Spectra DimminDS11% Dimr Soft StaDS01% Dimr		ting Voltage UNV Universal Voltage (120V through 277V) 347 347 Volt ^{5,10}
EC End Cap 2 End Ca SE Straight	Extension, 0.5"–8.5 Jantity. 2SE = 2 St	5"	Nightlight NL Nightlight Circuit Required. Enter quantity. 2NL = 2 nightlight circuits/row	Emergency EF 10W Emergency Battery Pack. Ente quantity. 2EF = 2 emergency batteries/row. ¹¹	r W2 Pr Ni	o Thru Wire ovide Normal a ghtlight Thru W	and Emergency/ Tiring ¹² Thru Wiring Only	Chicago Enviromental CCEA Chicago Envi Modification	
NX Networl NXE N NXES N NX Networl NXSW N NXSW N	one X, PIR BT Occupa ked – Wired X, Dual SmartPort X, PIR BT Occupa ked – Wireless	s ^{14, 15} ncy/Dayligh 「Occupano ss Enabled	cy/Daylight Sensor ^{14, 15}	Dual SmartPORTs ^{14, 15}	N 1 2 3 4 5 6 7 8 9 10	Not availabl Only availabl Visit <u>www.lit</u> Additional le Must be orc Specifiable and excepti D030 not av Must be orc	lered with D05 Drive in 50 lumen increme ons. vailable in 2' lered with 2230TD, 2	i for details. licable. Contact factory. option; excludes 2' lengt nts. Reference the Perform 750T or 2765T Option	ths and patterns. nance Data Table for full performance off ALI, DALIP and Lutron (LEC) Dimming Driv

NX Networked – Wired/Wireless

NXSWD NX Wireless, PIR BT Occupancy/Daylight Sensor, Dual SmartPORTs 14, 15, 16

NXWD NX Wireless, Dual Smart Ports 14, 15

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. Only available in 4+, WS0 option
- 10 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:
- 14 Not available for row mounting. Only available with 0-10V Driver options. Contact factory for Length restrictions.
- 15 Refer to <u>NX Integrated Controls Reference Table</u> for Functionality of Options.
- 16 NX Sensors with Bluetooth, BLE, provides remote commission only.





CONTROLS

NX Distributed Intelligence[™] Lighting Controls:

Supports both indoor and outdoor applications in a variety of deployment options- wired, wireless, hybrid. Integrates with and enables a wide array of luminaires including those with SpectraSync Color Tuning Technology.

	NX INTEGRATED CONTROLS REFERENCE									
NX Option	Sensor	Networkable	Scheduling	Occupancy	Daylight Harvesting	0–10V Dimming	On/off Control	Bluetooth® App Programming		
NX Standalone	NX Standalone									
NXS	NXSMP-SMI	No	Yes	Yes	Yes	Yes	Yes	Yes		
NX Networked	NX Networked – Wired									
NXE	N/A	Yes	Yes	No	No	Yes	Yes	Requires <u>NXBTC/R</u> ¹		
NXES	NXSMP-SMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
NX Networked	I – Wireless									
NXSW	NXSMP-SMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
NXWE ²	N/A	Yes	Yes	No	No	Yes	Yes	No ³		
NX Networked	NX Networked – Wired/Wireless									
NXSWD	NXSMP-SMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
NXWD	N/A	Yes	Yes	No	No	Yes	Yes	Requires <u>NXBTC/R</u> ^{1,3}		

DATE:

TYPE:

CATALOG #:

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

Programming via App requires factory assistance 2

To program NXWE option, need to consult factory. If connected to an area controller, programming can be done from that 3

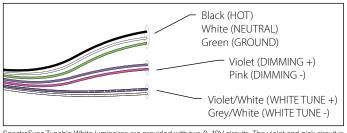
SpectraSync[™] Color Tuning Technology:

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-5000K 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-5000K 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 two options: 2750T (2700K–5000K) or 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 grey/white circuit is for wiring to any qualified 0–10V controller for Tunable White CCT control.

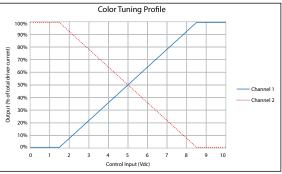
Controller Manufacturer Data

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

- Hubbell Control Solutions (HCS): NX Distributed Intelligence™ Room Controllers (NXRC) and In-fixture Controllers (NXFM)
- Lutron: DVTV, DVSTV, and NFTV dimmers
- Wattstopper: ADF120277 and CD4BL (Titan) dimmers

LOCATION:

PROJECT:



SpectraSync

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LITECONTROL	DATE:	LOCATION:
making light work"	TYPE:	PROJECT:
3L-WS-D	CATALOG #:	
MOD™ 3 LED WALL/SLOT 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	116								
D035	350	3.0	116								
D040	400	3.4	116								
D045	450	3.9	116								
D050	500	4.3	116								
D055	550	4.8	115								
D060	600	5.2	115								
D065	650	5.7	113								
D070	700	6.2	113								
D075	750	6.6	112								
D080	800	7.1	112								
D85	850	7.6	111								
D090	900	8.1	111								
D095	950	8.6	110								
D100	1000	9.1	110								
D105	1050	9.6	109								
D110	1100	10.1	109								

(wattage may vary up to 5% from published)

Output Restrictions

Driver options listed below are not available for the output and length as shown.

Restrictions - Direct		Output LPA						
		300	350	400	450	500		
L = = = = (6 = = 4)	2	LEC, DALI, 347V	LEC, DALI, 347V	DALI, 347V	DALI, 347V	DALI, 347V		
Length (feet)	3	DALI, 347V	DALI, 347V					

Output Multiplier Table

Photometrics for the 4L 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.

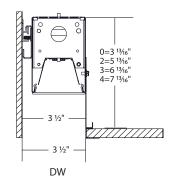
Option	2700K	3000K	3500K	4000K	5000K	2700K 90 CRI	3000K 90 CRI	3500K 90 CRI	4000K 90 CRI	5000K 90 CRI
SOF	0.95	0.98	1.00	1.03	1.05	0.83	0.85	0.88	0.90	0.93
REG	0.73	0.75	0.77	0.79	0.81	0.64	0.65	0.68	0.69	0.72
ASYM	0.95	0.98	1.00	1.03	1.05	0.83	0.85	0.88	0.90	0.93
BAT	0.95	0.98	1.00	1.03	1.05	0.83	0.85	0.88	0.90	0.93
DRP	0.95	0.98	1.00	1.03	1.05	0.83	0.85	0.88	0.90	0.93
LPAD	0.86	0.88	0.90	0.93	0.95	0.75	0.77	0.79	0.81	0.84

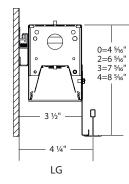


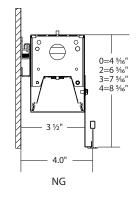


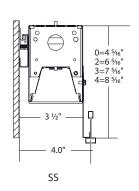
DIMENSIONS

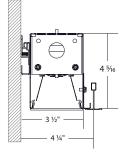
DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	





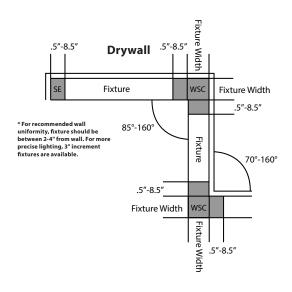






LG Flush

INDIVIDUAL MOUNTING



PATTERNS





PHOTOMETRY

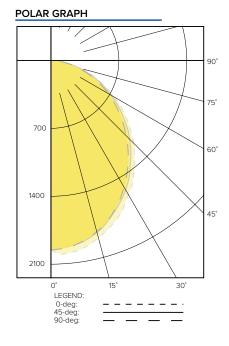
3L-R-D-04-SOF-X-CX-35K-D100

LUMINAIRE DATA

Description	3L Wall/Slot Direct, Soft Diffuse Lens, 3500K
Delivered Lumens	4000
Watts	
Efficacy	111
Mounting	Wall

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1885.80	47.1
0-60	3214.60	80.4
0-90	4000.00	100.0
0–180	4000.00	100.0



3L-R-AD-XX-XX-ASYM-CX-35K-D050

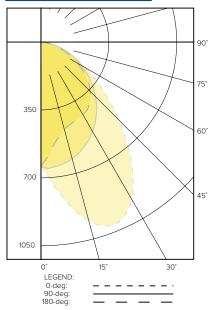
LUMINAIRE DATA

Description	3L Wall/Slot Direct, Soft Diffuse Lens, 3500K
Delivered Lumens	2000
Watts	
Efficacy	116
Mounting	Wall

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	921.00	48.2
0–60	1575.00	70.4
0–90	1911.00	100.0
0–180	1911.00	100.0

POLAR GRAPH



DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	





PHOTOMETRY

3L-X-D-04-NRW-CX-35K-D100

LUMINAIRE DATA

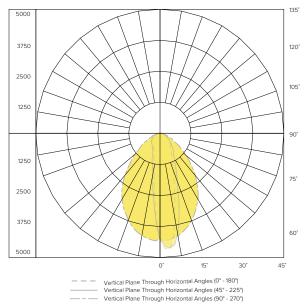
Description	3L Wall/Slot Direct, Soft Diffuse Lens, 3500K
Delivered Lumens	4000
Watts	
Efficacy	111
Mounting	Wall

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	2417.55	60.44
0-60	3487.41	87.18
0-90	4000.08	100.0
0–180	4000.08	100.0



POLAR GRAPH



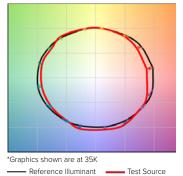




DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

TM-30 DATA

COLOR VECTOR GRAPHIC



COLOR DISTORTION GRAPHIC

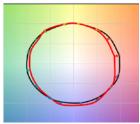


TEST RESULTS - 3500K				
Value 80+ CRI				
CCT (K)	3494			
CIE R _a	83			
D _{uv}	-0.0004			
R _f	82			
R _q	96			
X	0.4052			
у	0.3898			

COLOR CHARACTERISTICS:

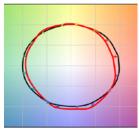
	Ordering Code							
Value	30K	35K	40K					
Rf	83	82	82					
Rg	96	96	96					
CCT (K)	3009	3494	3975					
Duv	-0.0009	-0.0004	-0.0003					
х	0.435	0.4052	0.3814					
У	0.4012	0.3898	0.3768					
CIE Ra	83	83	84					

COLOR VECTOR GRAPHIC: 30K





35K



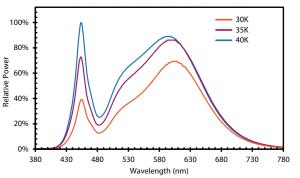




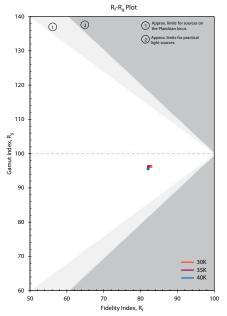




SPECTRAL DISTRIBUTION:



COLOR GAMUT/FIDELITY PLOT:



CRI: 80 MINIMUM

сст	CRI	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
30K	83	82	91	97	81	82	89	84	62	13	79	79	69	84	99
35K	83	81	89	95	81	81	85	86	65	13	73	79	62	83	97
40K	84	82	90	94	82	82	85	87	68	17	74	80	60	84	97

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ADDITIONAL INFORMATION

<u>Driver</u>

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

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

