

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
- BWO: White blade baffle with softglo lens overlay. Output multiplier (.70)
- 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

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	



RELATED PRODUCTS

8	<u>2L-WS-D</u>	8 <u>3L-WS-D</u>	8 <u>6L-WS-D</u>
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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	2.6–10.0						
Efficacy Range (LPW)	110–118						
Rated Life (Hours)	L70: >61,000 L90: >61,000						

INSTALLATION (CONTINUED)

clarification

ELECTRICAL

specified

replaced

CONTROLS

downlight diffusers

· Fixture weight: 3lbs/ft

· Patterns: End of row straight extensions

allow for adjustability of fixture to be 0.5"-

fixture is recommended to be no less than

2" away from wall. Field cut corner pieces

160° outside corners. See image for further

allow for 85-160° inside corners and 70-

Variable Intensity (VI) technology allows

precise specification of fixture output/

wattage. Fixture will be programmed

and labeled to specification. Indirect and

LED boards and drivers can be accessed

and removed from fixture, while installed

• 1C (1 Circuit) Fixture wired for a single circuit

• Emergency Battery: 10W battery powered

Provided by others. Available in 6' & 8'

Sensors install between diffusers

NX Distributed Intelligence[™]: Supports

indoor and outdoor applications, wired,

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

wireless and hybrid networked NX lighting

control deployments and enabled emerging

fixtures. Available with SOF, NRW, ASYM

driver. Provides a minimum of 90 minutes

of emergency lighting. Inverter-Compatible.

· Entire LED module can be removed and

direct hemispheres can be independently

8.5" away from wall. For NRW diffuser option,



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ORDERING GUIDE

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

Example: 4L-WSO-DW-D-8-.3-08-SOF-C1-27K-D030-D01-1C-UNV-EC

-						
	—	-	—			
ries Regressed De	epth Ceiling Type ¹	Fixture Distribution	Row Length (In Feet) Row	w Length adder	Max Length in Row	Direct Optical Distribution
MOD WS0 Wall/Slo		D Direct		Row Length +3" C	2 ', 609 mm	SOF Soft Diffuse Lens
mounter WS2 Wall/Slo	finiala)	AD Asymmetric Direct	increments	Ŭ	3 3', 914 mm	NRW Narrow Beam Grazer Lens (WS2, WS3, WS4 only)
mounte	d, 2" LG 15/16 Grid	Direct		J J	14 4', 1219 mm	BWO Blade Baffle with Overlay
ws3 Wall/Slo	ed depth NG 9/16 Grid		Mea		5 5', 1524 mm	ASYM Asymmetric Diffuse
mounte					06 6', 1829 mm 08 8', 2438 mm	Lens ^{2,3}
÷	ed depth Slot				0,2430	
WS4 Wall/Slo mounter						
regresse	ed depth					
	_	-	_	-	_	_
ish/Color⁴	Color Temperature		Direct Output/ft ⁷	Driver	Circuitir	ng Voltage
Matte White (Default)	27K 2700K ⁵		D030 300 (min) ⁸	D01 1% Dimming		
Textured Matte White	30K 3000K		to	D00 1% Dim-to-C		Voltage (120V
Light Silver	35K 3500K		D125 1250 (max)	D05 SpectraSyr		through 277V)
Machined Aluminum	40K 4000K			Dimming, C		347 347 Volt ^{5, 10}
Carbon Black	50K 5000K ⁵			DS1 1% Dimming Soft Start, 0		
Textured Camera Black	27K9 2700K, 90 CRI 5			DS0 1% Dim-to-0		
Custom Color	30K9 3000K, 90 CRI			Soft Start, C		
	35K9 3500K, 90 CRI			LEC Hi-lume 1% Ecosystem		
	40K9 4000K, 90 CRI 50K9 5000K, 90 CRI ⁵			LED Driver		
	2230TD 2200K-3000K Spe	ctraSvnc™ Dim-to-Warm ⁶		DALI DALI ⁵		
		ctraSync™ Tunable White ⁶		DALIP Powered b DALI (2.0) ⁵		
	2765T 2700K-6500K Spe	ctraSync™ Tunable White ⁶		NDM Non-Dimm		
I	OPTIONAL	I	1 1	I	5 I	
			-			
aight Run Termination	Nightlight	Emergency	Thru-wiring		hicago Enviromental A	
 End CapEnter quantity. 2EC 2 End Caps 	C = NL Nightlight Circuit Required. Enter	EF 10W Emergency Battery Pack. Enter	W1 No Thru Wire W2 Provide Normal ar		CEA Chicago Enviro Modification	omental Air WSC Wall/Slo Corner,
Straight Extension, 0.5"–8.	5" quantity. 2NL =	quantity. 2EF = 2	Nightlight Thru Wi			0.5"-8.
Enter quantity. 2SE = 2 St Extensions	raight 2 nightlight circuits/row	emergency batteries/row. ¹¹	W3 Provide Normal T	hru Wiring Only		
				1 1		
ntrol Options ⁵			Notes:			
<u>Standalone</u>		. 14 15 16	5 ,1	cannot be retrofitted in e with Patterns.	the field	
	ncy/Daylight Sensor, Slide Mou	ס ו ,כו ,יי י זן		le with WS0 & AD		
<u> Networked – Wired</u>	DTe 14, 15			econtrol.com/finishes fo		
F NX Dual SmartDOE			5 Additional le	ad time may be applica	ble. Contact factory.	
,		nt Dual SmartPORTs ^{14, 15}				and patterns.
,	ancy/Daylight Sensor, Slide Mou	nt, Dual SmartPORTs ^{14, 15}	6 Must be orde	ered with D05 Driver op n 50 lumen increments.	tion; excludes 2' lengths	and patterns. nce Data Table for full performance of

- 9 Must be ordered with 2230TD, 2750T or 2765T Option
- 10 Excludes Emergency Battery Pack 'EF' Option. Excludes DALI, DALIP and Lutron (LEC) Dimming Drivers
- 11 EF 10W battery powered driver. Provides a minimum of 90 minutes of emergency lighting. Inverter-Compatible. Provided by others.
- 12 Only applicable when specified with Emergency/Nightlight. 13 Contact Eactory for pattern configurations. Approval drawings re
 - 3 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.



NXWE NX Wireless Wireless Enabled ^{14, 15}

NX Networked – Wired/Wireless

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

NXWD NX Wireless, Dual SmartPORTs 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



4L-WS-D

MOD[™] 4 LED WALL/SLOT DIRECT

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	<u>5</u>								
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

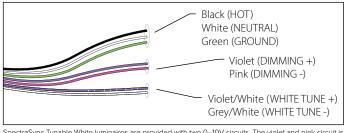
SpectraSync[™] Color Tuning Technology:

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.

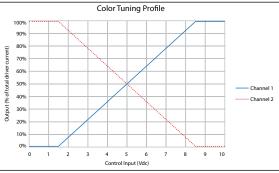
Controller Manufacturer Data

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

DISTRIBUTED



LITECONTROL	DATE:	LOCATION:
making light work"	TYPE:	PROJECT:
4L-WS-D	CATALOG #:	
MOD™ 4 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	118					
D035	350	3.0	118					
D040	400	3.4	118					
D045	450	3.8	118					
D050	500	4.2	118					
D055	550	4.7	117					
D060	600	4.8	117					
D065	650	5.6	116					
D070	700	6.1	116					
D075	750	6.5	115					
D080	800	7.0	113					
D85	850	7.5	113					
D090	900	7.9	113					
D095	950	8.5	112					
D100	1000	9.0	112					
D105	1050	9.4	111					
D110	1100	10.0	110					

(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	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.

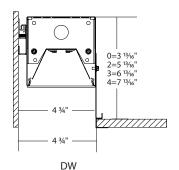
Option	2700K	3000K	3500K	4000K	5000K	2700K 90 CRI	3000K 90 CRI	3500K 90 CRI	4000K 90 CRI	5000K 90 CRI
SOF	0.95	0.98	1.00	1.03	1.05	0.83	0.85	0.88	0.90	0.93
REG	0.73	0.75	0.77	0.79	0.81	0.64	0.65	0.68	0.69	0.72
BWO	0.67	0.69	0.70	0.72	0.76	0.63	0.53	0.47	0.42	0.39
ASYM	0.95	0.98	1.00	1.03	1.05	0.83	0.85	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

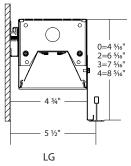


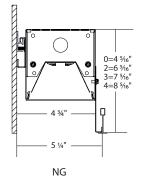


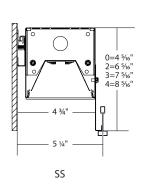
DIMENSIONS

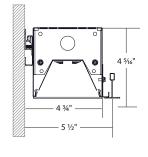
DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	





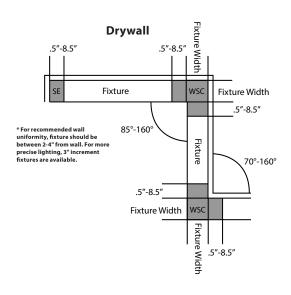






LG Flush

INDIVIDUAL MOUNTING



PATTERNS

Page 5/9 Rev. 12/23/21 4L-WS-D





PHOTOMETRY

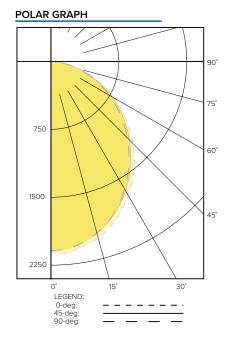
4L-R-D-04-SOF-X-CX-35K-D100

LUMINAIRE DATA

Description	4L Wall/Slot Direct, Soft Diffuse Lens, 3500K
Delivered Lumens	4000
Watts	
Efficacy	112
Mounting	Wall

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1885.80	47.1
0–60	3214.60	80.4
0-90	4000.10	100.0
0–180	4000.10	100.0



4L-R-AD-XX-XX-ASYM-CX-35K-D050

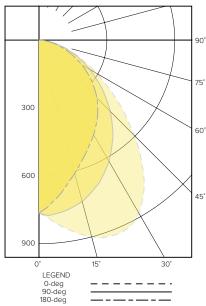
LUMINAIRE DATA

Description	4L Wall/Slot Direct, Asymmetric Lens, 3500K
Delivered Lumens	2000
Watts	
Efficacy	124
Mounting	Wall

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	982.00	48.7
0–60	1658.00	82.3
0–90	2016.00	100.0
0–180	2016.00	100.0

POLAR GRAPH



DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	





PHOTOMETRY

4L-X-D-04-NRW-CX-35K-D100

LUMINAIRE DATA

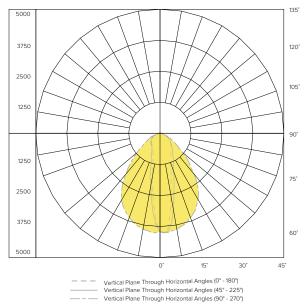
Description	4L Wall/Slot Direct, Narrow Lens, 3500K
Delivered Lumens	4000
Watts	
Efficacy	111
Mounting	Wall

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1625.84	40.64
0-60	3056.77	76.42
0-90	3948.20	98.70
0–180	4000.17	100.0



POLAR GRAPH

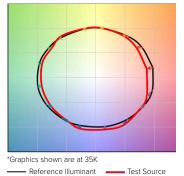






TM-30 DATA

COLOR VECTOR GRAPHIC



COLOR DISTORTION GRAPHIC

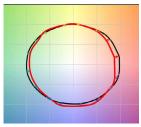


TEST RES	ULTS - 3500K
Value	80+ CRI
CCT (K)	3494
CIE R _a	83
D _{uv}	-0.0004
R _f	82
R _g	96
X	0.4052
у	0.3898

COLOR CHARACTERISTICS:

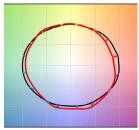
	Ordering Code						
Value	30K	35K	40K				
Rf	83	82	82				
Rg	96	96	96				
CCT (K)	3009	3494	3975				
Duv	• -0.0009 -0.0004		-0.0003				
х	0.435	0.4052	0.3814				
У	0.4012	0.3898	0.3768				
CIE Ra	83	83	84				

COLOR VECTOR GRAPHIC: 30K





35K



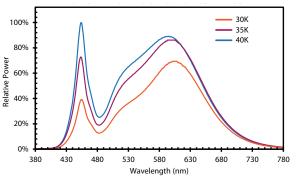




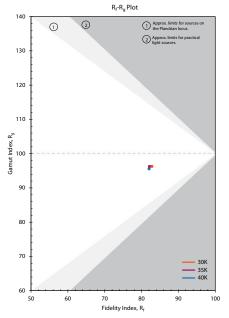




SPECTRAL DISTRIBUTION:



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





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 #:	

