

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



CONTROLS



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 climate gaps and LED visibility

OPTICAL PERFORMANCE

- 2 SDCM color consistency, 80 or 90 CRI
- SOF: Soft diffuse acrylic lens
- REG: 1/2" regressed softglo lens with painted steel inserts. Output multiplier (.77)
- BWO: White blade baffle with softglo lens overlay. Output multiplier (.70)
- ASYM: Asymmetric Highly transmissive diffuse acrylic lens with linear prisms
- BAT: "Batwing" distribution created created from highly transmissive diffuse acrylic lens with linear prisms
- DRP: 1/2" protruding soft diffuse "drop" lens

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
- LG/NG/SS Mounting: Side rails provide continuous mounting, lateral spacing between T-bars and allows clearance for T-bar supporting wire. For Tegular grid mount, fixture will sit level with the T-bar
- DW Mounting: Side rails allow installation into drywall slot. Visible flange is located on all 4 sides of fixture

INSTALLATION ((CONTINUED)

- Illuminated corners available in 90°, 120°, 135°. One piece construction, ready to install, with diffusers that match adjoining fixtures. Corner system connectors must be used to form patterns. The length of each outside or inside illuminated corner is 12"
- 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'- EF L or R: D030 through D085; 8'- EF Full: D030 through D055; 8'- EF L or R: D030 through D075. 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

CONTROLS

- Sensors install between diffusers
- NX Lighting Controls: Supports indoor and outdoor applications, wired, wireless and hybrid networked NX lighting control deployments and enabled emerging applications, such as Current Lighting's SpectraSync[™] Color Tuning Technology

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	



SERVICE PROGRAMS



CONTROLS (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

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. Contact factory for configurations including SpectraSync, NX, or sensors.

WARRANTY

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

KEY DATA					
Lumen Range Per Foot	D: 300–850				
Wattage Range Per Foot	2.9–8.6				
Efficacy Range (LPW)	99–102				
Rated Life (Hours)	L70: >61,000 L90: >61,000				

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CONTROL	DATE:	LOCATION:
making light work [∞]	TYPE:	PROJECT:
-R-D	CATALOG #:	
2 LED RECESSED DIRECT		
	= Servic	ce Program QS7
ERING GUIDE		
		Example: 2L-DW-D-83-08-SOF-C1-27K-D030-D01-1C
DG #		
Ceiling Type ¹ Fixture Distribution Row Length (Ir	Feet) Row Length Ad	dder Max Length in Row Direct Optical Distribution
OD DW Drywall D Direct ' Enter in 1		
PT Drywall with plaster trim AD Asymmetric increment	· · · ·	
(trimless finish) Direct	.9 Row length	Ender Blade Balle Wat Overlay
NG 9/16 Grid	Measured in in	Asymmetric Dinuse Lens
SS 9/16 Screw Slot		06 6, 1829 mm BAT Batwing Lens 08 8', 2438 mm DRP Drop Lens ^{2,4}
/Color ⁵ Color Temperature	Direct Output/ft ⁷ Di	river Circuiting Voltage
Matte White (Default) 27K 2700K ⁴	D030 300 (min) D	O1 1% Dimming, 0-10V 1C 1 Circuit UNV Universal
iextured Matte White 30K 3000K		00 1% Dim-to-Off, 0-10V Voltage (120 through 277'
ight Silver 35K 3500K Nachined Aluminum 40K 4000K	D085 850 (max) D	905 SpectraSync 5% 347 347 Volt 4,9 Dimming, 0-10V ⁸ 347 347 Volt 4,9
Carbon Black 50K 5000K ⁴	D	S1 1% Dimming w/
extured Camera Black 27K9 2700K, 90 CRI ⁴		Soft Start, 0-10V SO 1% Dim-to-Off w/
Sustom Color 30K9 3000K, 90 CRI		Soft Start, 0-10V
35K9 3500K, 90 CRI	LE	EC Hi-lume 1%
40K9 4000K, 90 CRI 50K9 5000K 90 CRI ⁴		Ecosystem LED Driver ⁴
50K9 5000K, 90 CRI ⁴ 2230TD 2200K-3000K SpectraSync [™] Dim-to-Warm ^{4,6}		ALI DALI ⁴
2750T 2700K-5000K SpectraSync [™] Tunable White ^{4,6}	D	ALIP Powered by DALI (2.0) ⁴
2765T 2700K-6500K SpectraSync [™] Tunable White ^{4,6}	N	IDM Non-Dimming
DNAL		
<u> </u>		
ight Emergency Thru-wiring Patterns ^{4, 12}		Chicago Environmental Air Modification
Detter (Deel)	inated 90° Corner C inated 120° Corner	CCEA Chicago Environmental Air Modification
nter quantity. Enter quantity. and Emergency/ C135L IIIun	inated 135° Corner	
ghtlight emergency Wiring 11		
cuits/row batteries/row. ¹⁰ W3 Provide Normal		
Thru Wiring Only		
ol Options ⁴	Notes:	
tworked – Wired		ot be retrofitted in the field.
	2 Not Available with 3 Must be ordered w	
NX Wired Dual RJ45 SmartPORTS, without Sensor ^{13, 14}		
NX Wired Dual RJ45 SmartPORTS, without Sensor ^{13, 14}		ne may be applicable. Contact factory.
NX Wired Dual RJ45 SmartPORTS, without Sensor ^{13, 14} NX Wired Dual RJ45 SmartPORTS and Integral NXSMP2-SMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{13, 14}	 Additional lead tim Visit currentlighting 	g.com/litecontrol for details.
NX Wired Dual RJ45 SmartPORTS, without Sensor ^{13, 14}	 Additional lead tim Visit currentlighting Must be ordered w 	

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- specifiable in 50 lumen increments. Reference the Performance Data Table for full performance offer and exceptions. / 8 Must be ordered with 2230TD, 2750T or 2765T Option
- 9 Excludes Emergency Battery Pack 'EF' Option. Excludes DALI, DALIP and Lutron (LEC) Dimming Drivers
- EF 10W battery powerd driver. Provides a minimum of 90 minutes of emergency lighting. Inverter-Compatible. Provided by others. 10
- 11 Only applicable when specified with Emergency/Nightlight.
- 12 Contact Factory for pattern configurations. Approval drawings required.

NX In-Fixture Control Options:

- 13 Not available for row mounting. Only available with 0-10V Driver options. Contact factory for Length restrictions.
- 14 Refer to NX Integrated Controls Reference Table for Functionality of Options.
- 15 NX Sensors with Bluetooth, BLE, provides remote commission only.

NXW

SD1

SO1

SZ1

Sensors

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NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor $^{\rm 13,\,14}$

Occupancy Sensor Required. Enter quantity. 2SO1 = 2 occupancy sensors/row

Zigbee Radio Module Required. Enter quantity. 2SZ1=2 radio modules/row. Radio

Daylight Sensor Required. Enter quantity. 2SD1 = 2 daylight sensors/row

controls up to 10 drivers. Must be ordered with D00.

CONTROLS

NX Lighting Controls:

Supports both indoor and outdoor applications in a variety of deployment options. 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 Networked	NX Networked – Wired							
NXE	N/A	Yes	Yes	No	No	Yes	Yes	Requires NXBTC dongle
NXESM	NXSMP2- SMI-XX	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NX Networked	NX Networked – Wireless							
NXWSM	NXSMP2- SMI-XX	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NXW ²	N/A	Yes	Yes	No	No	Yes	Yes	Yes ³

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

2 Programming via App requires factory assistance

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

SpectraSync[™] Color Tuning Technology:

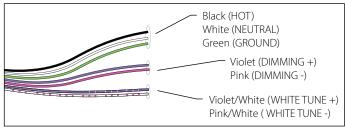
Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync[™] Color Tuning Technologies.



	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.

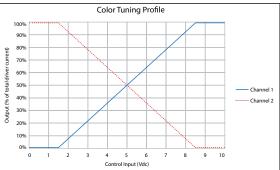


SpectraSync Tunable White luminaires are provided with two 0–10V circuits. The violet and pink circuit is for wiring to any qualified 0–10V controller for dimming. The violet/white and pink/white circuit is for wiring to any qualified 0–10V controller for Tunable White CCT control.

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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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	
	Down	light		
D030 (min)	300	2.9	102	
D050	500	5.2	96	
D085	850	8.6	99	

(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						
Restriction	ns - Direct	300	350	400	450	500		
	2	LEC, DALI, 347V	LEC, DALI, 347V	DALI, 347V	DALI, 347V	DALI, 347V		
Length (feet)	3	DALI, 347V	DALI, 347V					

Output Multiplier Table

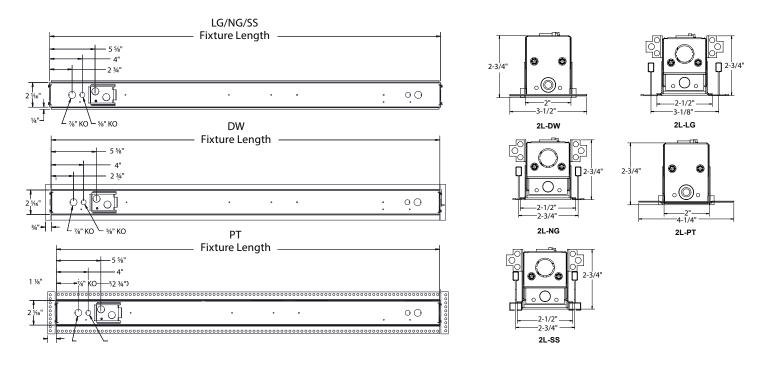
Photometrics for the 4L are published here at a nominal 3500K temperature. This table may be used to approximate the lumen values at different Kelvin temperatures. Power consumption would stay the same.

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

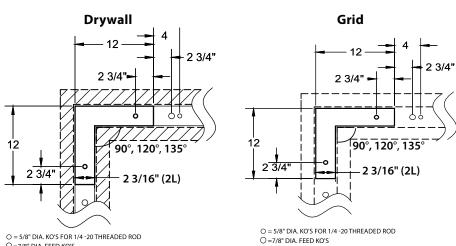


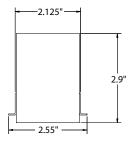
DIMENSIONS

LITECONTROL



INDIVIDUAL MOUNTING





○=7/8" DIA. FEED KO'S

PATTERNS

END CAP VIEW

Current

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PHOTOMETRY

LITECONTROL

2L-R-AD-4-XX-XX-ASYM-X-CX-35K-D050

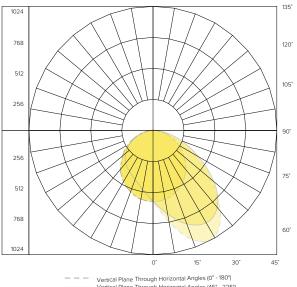
LUMINAIRE DATA

Description	2L Recessed, Soft Diffuse Lens, 3500K
Delivered Lumens	1999
Watts	20
Efficacy	82
Mounting	Recessed

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	896.16	44.8
0-60	1613.68	80.7
0–90	1999.5	100.0
0–180	1999.96	100.0

POLAR GRAPH



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

2L-X-D-04-DRP-CX-35K-D050

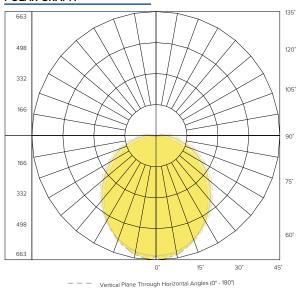
LUMINAIRE DATA

Description	2L Recessed, Drop Lens, 3500K
Delivered Lumens	1999.98
Watts	21
Efficacy	95
Mounting	Recessed

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	801.88	40.1
0-60	1408.37	70.4
0-90	1904.98	95.2
0–180	1999.98	100.0

POLAR GRAPH

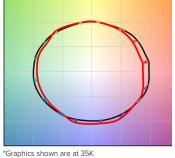


Vertical Plane Through Horizontal Angles (45° - 225°)
 Vertical Plane Through Horizontal Angles (90° - 270°)



TM-30 DATA

COLOR VECTOR GRAPHIC



Reference Illuminant _____ Test Source

COLOR CHARACTERISTICS:

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

COLOR VECTOR GRAPHIC: 30K



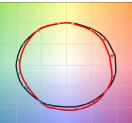


35K









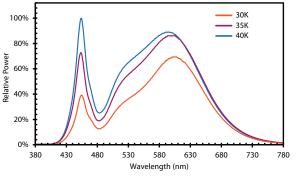


COLOR DISTORTION GRAPHIC

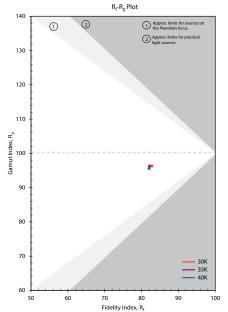


TEST RESULTS - 3500K							
Value	80+ CRI						
CCT (K)	3494						
CIE R _a	83						
D _{UV}	-0.0004						
R _f	82						
R _g	96						
X	0.4052						
У	0.3898						

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

Current 🗐

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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