

LINEAR WALL INDIRECT/DIRECT

FEATURES

- Up to 137 lumens/watt efficacy
- · Output range from 800 to 1875 lumens/ft
- SpectraSync™ Color Tuning Technology
- · Five light distribution options available
- 3 SDCM color variation
- 110 degree peak angle







CONTROL TECHNOLOGY









SPECIFICATIONS

CONSTRUCTION

- · Housing 20 gauge formed steel
- Lens acrylic
- End caps 5/16" Die-cast flat aluminum
- 80/20 indirect/direct distribution without downlight tray
- 60/40, 40/60, 20/80 and 0/100 distributions provided with downlight tray
- When selected, uplight is low peak angle (LPA) by default
- Dust Cover optional, clear acrylic

OPTICAL PERFORMANCE

- 3 SDCM color consistency
- Softglow (SOF) acrylic lens (shipped installed)

INSTALLATION

- Bracket locations at ends of rows (or individual fixtures) are 1-7/6" from fixture ends
- All fixture mounting hardware prepackaged and kitted per row
- Hardware kits ship separately
- Row Joining 10-32 machine screws and nuts (provided) are accessible without removal of any components

DATE: LOCATION:

TYPE: PROJECT:



ELECTRICAL

- 1C (1 Circuit) Uplight and downlight switched/ dimmed together
- 2C (2 Circuit) Uplight and downlight switched/dimmed separately
- LED boards and drivers can be accessed, removed, and replaced from installed fixture.
 Contact factory.
- Feed Cord 3-wire, 7 amps max; 4-wire, 7 amps max; 5-wire, 5 amps max

CONTROLS

- Optional SpectraSync™ offers two modes of Tunable White solutions and integrates seamlessly into a variety of control systems
- NX Lighting Controls provides options for standalone and networked integrated sensor with wired or wireless connectivity for NX system deployments
- NX Lighting Controls are available in U.S., Canada and Mexico. For other locations consult factory

	Weight
104-W-ID	3 lbs/ft

CERTIFICATIONS

- CSA listed for damp locations
- DLC V5.1 listed luminaire. Not all product variations listed in this document are DLC qualified. Refer to designlights.org for most up-to-date list.
- 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 <u>Buy America(n)</u> Solutions.
- Emergency Battery Backup options are California Energy Commission (CEC) Title 20 Compliant.

WARRANTY

- · LED boards 5 years
- LED drivers (standard)- 5 years

KEY DATA	4
Lumen Range Per Foot	800 - 1875
Wattage Range Per Foot	7.5 - 15.8
Efficacy Range (LPW)	107 - 127
Rated Life (Hours)	L70: >60,000 L90: up to 53,000





LINEAR WALL INDIRECT/DIRECT

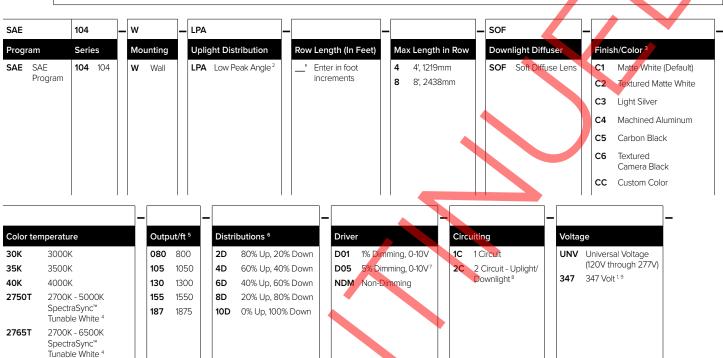
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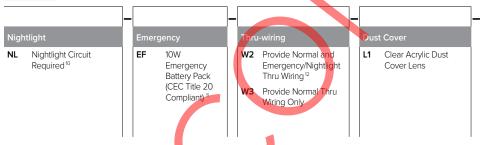
ORDERING GUIDE

Example: SAE104-W-LPA-2-4-SOF-C1-30K-080-2D-D01-1C-UNV-FA1

CATALOG #



OPTIONAL



Control Options

NX Networked - Wired

NXE NX Wired Dual RJ45 SmartPORTS,

NX Wired Dual RJ45 SmartPORTS and **NXERM**

Integral NXSMP2-LMI PIR Occupancy Sensor with

Automatic Dimming Photocell and

Bluetooth® Programming 13

NX Networked

NXWRM NX Networked Wireless Enabled Integral

NXSMP2-LMI PIR Occupancy Sensor with Automatic Dimming Photocell and

Bluetooth® Programming 13

NX Networked Wireless Radio Module NXRM2 NXW

nd Bluetooth® Programming, without Sensor

Sensors

Daylight Sensor Required SD1 Occupancy Sensor Required

Notes

- Additional lead time may be applicable. Contact factory.
- Not applicable for 10D distribution.
- Visit currentlighting.com/litecontrol for details 3
- 4 Must be ordered with D05 Driver option.
- Choose one output.
- Percentage above output.
- Must be ordered with 2750T or 2765T options
- Not available with 2D or 10D distribution
- Excludes Emergency Battery Option 9
- Enter quantity. 2NL = 2 nightlight circuits/row
- Enter quantity. 2EF = 2 Emergency batteries/row.
 Provides a minimum of 90 minutes of emergency lighting. Inverter-Compatible. Provided by others
- Only applicable when specified with emergency.

NX In-Fixture Control Options:

Refer to NX Integrated Controls Reference Table for Functionality of Options





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CONTROLS OPTIONS AND FUNCTIONALITY



	Cor	ntrol Option Ordering				C	Control Op	tion Funct	tionality				Cont	rol Option
	L	ogic & Description	Sensor	Networkable	Grouping	Scheduling	Occupancy/ Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth® App Programming	Sensor Height	Cor	nponents
7	NXE	NX Wired Dual RJ45 SmartPORTS, without Sensor	N/A	\	√	✓	_	_	√	V	Requires NXBTC dongle	-		NXDSP
NX Wire	NXERM	NX Wired Dual RJ45 SmartPORTS and Integral NXSMP2-LMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth* Programming	NXSMP2-LMI	√	√	✓	√	1	1	√	√	Max: 12'	8	NXSMP2-LMI NXDSP
ireless	NXWRM	NX Networked Wireless Enabled Integral NXSMP2-LMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming	NXSMP2-LMI	√	√	\	√	\	/	√	✓	Max: 12'	3	NXSMP2-LMI
NX Wir	NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth® Programming, without Sensor	N/A	√	√	✓	1	-	√	√	√	-	8	NXRM2-H

¹ NXBTC needs to be plugged into an available NX SmartPort $^{\mathtt{m}}$ on the fixture network

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:

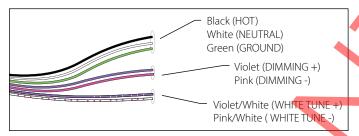
Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync™ Color Tuning Technologies.



SPECTRASYNC COLOR TUNING TECHNOLOGY					
Mode Kelvin Range Description					
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.

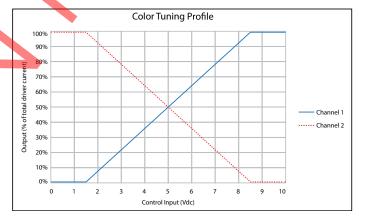


SpectraSync Tunable White luminaires are provided with two 0–10V circuits. The violet and pink circuit is for wiring to any qualified 0–10V controller for dimming. The violet/white and pink/white circuit is for wiring to any qualified 0–10V controller for Tunable White CCT control.

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 (NXRCFX2) and In-fixture Controllers (NXFM2)
- 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/unit	Efficacy
080	800	7.5	107
105	1050	9.3	114
130	1300	10.3	127
155	1550	13.3	117
187	1875	15.8	119

Values are averages of all distributions at 3500K. For each option, see IES files for most accurate performance measures.

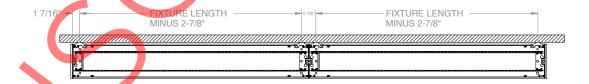
Output Multiplier Table

Photometrics for the SAE104-W 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	3000K	3500K	4000K
Multiplier	0.97	100	1.01

DIMENSIONS









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PHOTOMETRY

SAE104-W-LPA-4-SOF-35K-130-2D

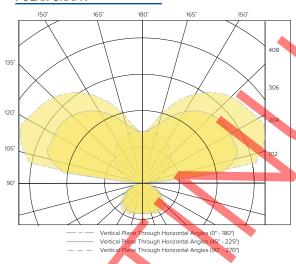
LUMINAIRE DATA

Test No.	16.03112
Description	7" X 2" deep LED rectilinear beam shape luminaire
Delivered Lumens	5210
Watts	38W
Efficacy	137
Mounting	Wall

ZONAL LUMEN SUMMARY

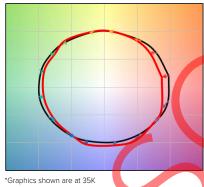
Zone	Lumens	% Luminaire
0-40	401	7.7
0–60	762	14.6
0-90	1003	19.2
0–180	5210	100.0

POLAR GRAPH



TM-30 DATA

COLOR VECTOR GRAPHIC



COLOR DISTORTION GRAPHIC



TEST RESULTS		
Value	35K	
CCT (K)	3441	
CIE R _a	83	
D_uv	-0.0002	
R_f	82	
R_g	97	
X	0.4084	
У	0.3918	





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ADDITIONAL INFORMATION

Sensor

SD1	Daylight sensor. Installs between light guide panels.
SO4	Occupancy sensor. Installs between light guide panels.
NX	NX sensors installs between light guide panels.

See separate LC-Controls spec sheet for additional details.

Driver:

D01	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.	
NDM	Non-dimming. Fixture will be wired for fixed light output.	

Fixture Weight:

3 lbs/ft

Rated Life:

Tested in accordance with the LM79-2008 and derived from EPA TM-21 calculator L70: 257,000 (calculated per TM-21 extrapolated curve) L70: >60,000 (reported per TM-21/LM80 6x's limitation) L90: 53,000 (calculated per TM-21 extrapolated curve)

