

LINEAR PENDANT 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

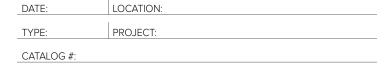
- · Housing 20 gauge formed steel
- Lens acrylic
- End caps 5/16" Die-cast flat aluminum
- 80/20 indirect/direct distribution without downlight tray
- 60/40, 40/60, 20/80 and 0/100 distributions provided with downlight tray
- When selected, uplight is low peak angle (LPA) by default
- Dust Cover optional,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

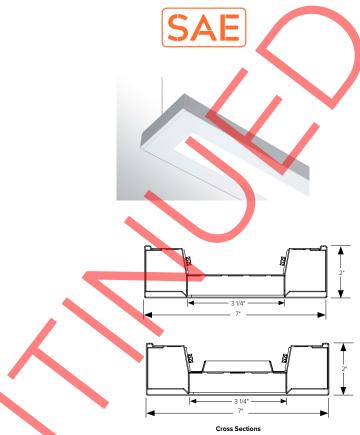
OPTICAL PERFORMANCE

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

INSTALLATION

- Pendant locations at ends of rows (or individual fixtures) are 3/8" from fixture ends
- Pendant attachment allows for horizontal adjustment to "fine-tune" side-to-side leveling
- 1/16" diameter field-adjustable aircraft cables
- · Suspension required at every row joint
- Suspension kits ships separately
- All fixture mounting hardware prepackaged and kitted per row





INSTALLATION (CONTINUED)

- · Hardware kits ship separately
- Row Joining 10-32 machine screws and nuts (provided) are accessible without removal of any components

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
- Canopy Covers Non-feed: 2" diameter (unless 5" non-feed is specified). Feed: 5" diameter

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-P-ID	2 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> <u>Solutions</u>.
- Emergency Battery Backup options are California Energy Commission (CEC) Title 20 Compliant.

WARRANTY

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

KEY DATA			
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 PENDANT INDIRECT/DIRECT

DATE:	LOCATION:
TYPE:	PROJECT:

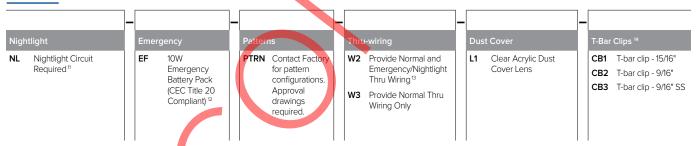
CATALOG #:

ORDERING GUIDE

Example: SAE104-P-LPA-2-4-SOF-C1-30K-080-2D-D01-1C-UNV-FA1 CATALOG # Р LPA SOF SAE 104 Program Series Mounting **Uplight Distribution** Row Length (In Feet) Max Length in Row **Downlight Diffuse** inish/Color ³ Enter in foot Matte White (Default) SAE SAE 104 104 Pendant LPA Low Peak Angle 2 SOF Diffuse Lens Program increments 8', 2438mm Textured Matte White C3 Light Silver Machined Aluminum C5 Carbon Black Textured Camera Black CC Custom Color Color temperature Output/ft 5 Distributions ⁶ Driver Circuiting Voltage Suspension Kit 10 **UNV** Universal 30K 3000k 080 800 2D 80% Up, 20% Down D01 1% Dimming, 0-10V 1C Suspension Voltage Kit, 51" 2 Circuit - Uplight/ 35K 3500K 105 1050 4D 60% Up, 40% Down D05 5% Dimming, 0-10V7 2C (120V Downlight⁸ FA2 Suspension 40K 4000K 130 1300 6D 40% Up, 60% Down NDM Non-Dimming through Kit, 87" 2750T 2700K-5000K 155 1550 8D 20% Up, 80% Down 277V) Suspension SpectraSync™ 187 1875 10D 0% Up, 100% Down 347 347 Volt 1,9 Kit, 219" Tunable White 4 FA4 Suspension 2700K - 6500K 2765T

OPTIONAL

SpectraSync™ T unable White ⁴



Control Options

NX Networked - Wired

NXE NX Wired Dual RJ45 SmartPORTS

without Sensor

NXERM NX Wired Dual RJ45 SmartPORTS and

Integral NXSMP2-LMI PIR Occupancy Sensor

with Automatic Dimming Photocell and

Bluetooth® Programming 15

NX Networked – Wireless

NX Networked Wireless Enabled Integral NXSMP2-LMI PIR Occupancy Sensor

with Automatic Dimming Photocell and

Bluetooth® Programming 15

NX Networked Wireless Radio Module NXRM2

and Bluetooth Programming, without Sensor 1

Sensors

SD1 Daylight Sensor RequiredSO4 Occupancy Sensor Required

Notes:

- 1 Additional lead time may be applicable. Contact factory.
- 2 Not applicable for 10D distribution.
- 3 Visit currentlighting.com/litecontrol for details.
- 4 Must be ordered with D05 Driver option.
- 5 Choose one output.
- 6 Percentage above output
- 7 Must be ordered with 2750T or 2765T options
- 8 Not available with 2D or 10D distribution
- 9 Excludes Emergency Battery Option
- 10 Add suffix N to replace all 2" non-feed canopy covers with 5" canopy covers. FA1/V = 51" suspension kit w/5" canopies; Canopies and feed cord are supplied in white regardless of fixture color unless otherwise specified. For dual feed contact factory.
- 11 Enter quantity. 2NL = 2 nightlight circuits/row
- 2 Enter quantity. 2EF = 2 Emergency batteries/row. Provides a minimum of 90 minutes of emergency lighting. Inverter-Compatible. Provided by others.
- 13 Only applicable when specified with emergency.
- 14 To be ordered with Luminaire Canopy Box.

NX In-Fixture Control Options:

15 Refer to NX Integrated Controls Reference Table for Functionality of Options



Kit, 363"



LINEAR PENDANT INDIRECT/DIRECT

DATE:	LOCATION:	
TYPE:	PROJECT:	
CATALOG #		

CONTROLS OPTIONS AND FUNCTIONALITY



		Control Option Ordering		ntrol Option Ordering Control Option Functionality						Control Option					
		Lo	ogic & Description	Sensor	Networkable	Grouping	Scheduling	Occupancy/ Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth® App Programming	Sensor Height	Cor	nponents
,	NX	XE	NX Wired Dual RJ45 SmartPORTS, without Sensor	N/A	\checkmark	\checkmark	\checkmark	-	- 4	\	\checkmark	Requires 1 NXBTC dongle	-		NXDSP
	NX	XERM	NX Wired Dual RJ45 SmartPORTS and Integral NXSMP2-LMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming	NXSMP2-LMI	√	✓	✓	✓	>	1	V	√	Max: 12'	8	NXSMP2-LMI NXDSP
1 4	8	XWRM	NX Networked Wireless Enabled Integral NXSMP2-LMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming	NXSMP2-LMI	√	√	√	7		\	/	√	Max: 12'	8	NXSMP2-LMI
200	NX	×w	NX Networked Wireless Radio Module NXRM2 and Bluetooth® Programming, without Sensor	N/A	√	√	Y	1	-	√	√	√	-	6	NXRM2-H

¹ NXBTC needs to be plugged into an available NX SmartPort™ 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



LINEAR PENDANT INDIRECT/DIRECT

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

CONTROLS OPTIONS AND FUNCTIONALITY (CONTINUED)

SpectraSync™ Color Tuning Technology:

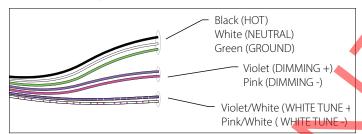
Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync™ Color Tuning Technologies.

SpectraSync) ⁿ
Color Tuning Technology	

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 color 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.

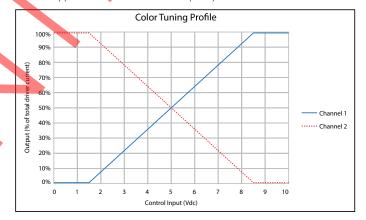


SpectraSync Tunable White luminaires are provided with two 0–10V circuits. The violet and pink circuit is for wiring to any qualified 0–10V controller for dimming. The violet/white and pink/white circuit is for wiring to any qualified 0–10V controller for Tunable White CCT control.

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







LINEAR PENDANT INDIRECT/DIRECT

DATE:	LOCATION:
TYPF·	PRO IFCT:

CATALOG #:

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

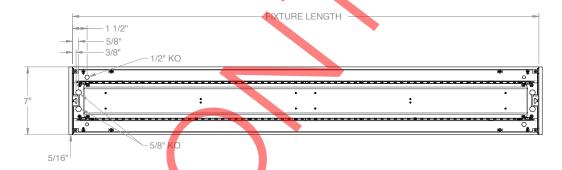
Photometrics for the SAE104-P are published here at a nominal 3500K temperature.

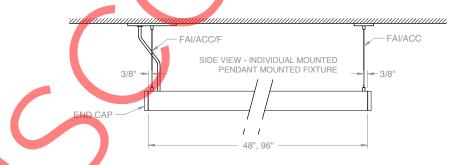
This table may be used to approximate the lumen values at different Kelvin temperatures.

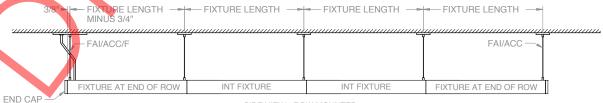
Power consumption would stay the same.

Option	3000K	3500K	4000K
Multiplier	0.97	1.00	1.01

DIMENSIONS







SIDE VIEW - ROW MOUNTED PENDANT MOUNTED FIXTURES





LINEAR PENDANT INDIRECT/DIRECT

DATE: LOCATION:

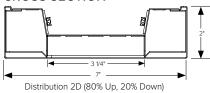
PROJECT:

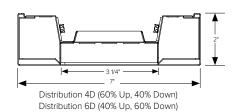
TYPE:

CATALOG #:

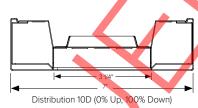
DIMENSIONS CONTINUED

CROSS SECTION





Distribution 8D (20% Up, 80% Down)



PHOTOMETRY

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

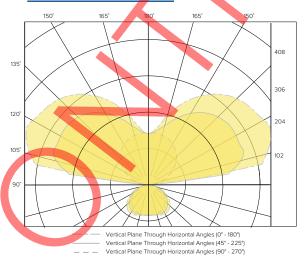
LUMINAIRE DATA

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

ZONAL LUMEN SUMMARY

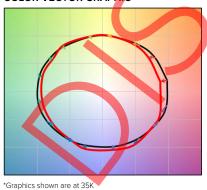
Zone	Lumens	% Luminaire
0-40	401	7.7
0-60	762	14.6
0-90	1003	19.2
0–180	5210	100.0

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	
R _g	97 0.4084	





LINEAR PENDANT INDIRECT/DIRECT

DATE:	LOCATION:
TYPE:	PROJECT:

CATALOG #:

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 volta 0-10V dimming control. Only applicable if either 2230TD, 2 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)

