

# LED Wall Indirect/Direct SAE 103

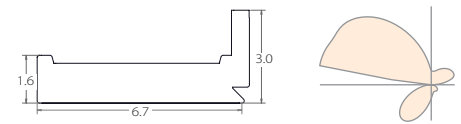
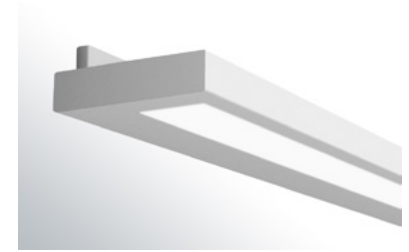
Fixture Type:

Project Name:

## Ordering Guide

Feature	Code	Options	Description
Program		SAE	SAE Program
Series		103	103 LED Wall Indirect/Direct
Mounting		W	Wall Mount
Fixture Distribution		ID	Indirect/Direct
Uplight Distribution		LPA	Low Peak Angle
		LPAD	Low Peak Angle with Diffuser
Row Length (in feet)		—'	Enter in foot increments. Note fixture lengths below
Max length in row		03	3'; 914mm
		04	4'; 1219mm
		06	6'; 1829mm
		08	8'; 2438mm
Downlight Diffuser		SGL	Soft Glow Lens
		BWO	Blade Baffle with Overlay
Finish/Color		C1	Matte White
		CC	Custom Color
Color Temperature		27K	2700K
		30K	3000K
		35K	3500K
		40K	4000K
		50K	5000K+
		27K9	2700K, 90 CRI
		30K9	3000K, 90 CRI
		35K9	3500K, 90 CRI
		40K9	4000K, 90 CRI
		50K9	5000K, 90 CRI+
		2230TD	2200K-3000K SpectraSync™ Dim to Warm*
		2750T	2700K-5000K SpectraSync™ Tunable White*
		2765T	2700K-6500K SpectraSync™ Tunable White*
			*Must be ordered with D05 Driver option; excludes 2' and 3' lengths
Output/ft (specifiable in 50 lumens/ft increments)		ID055	550 (min)
		ID140	1400 (max)

\* Additional lead time may be applicable. Contact factory.



## Key Features:

- Variable Intensity technology provides a range of specifiable outputs and resulting fixture wattages
- Asymmetric uplight distribution
- 2 SDCM color variation
- 120 degree peak angle
- DesignLights Consortium (DLC) qualified, see [www.designlights.org](http://www.designlights.org) for specific product offerings
- **Stance 65L is now SAE103**

## Performance

Nomenclature	Lumens/ft	W/ft	Efficacy
ID055 (min)	550	4.3	127
ID060	600	4.7	130
ID065	650	5.0	129
ID070	700	5.5	127
ID075	750	5.9	127
ID080	800	6.4	124
ID085	850	7.0	121
ID090	900	7.5	121
ID095	950	7.8	121
ID100	1000	8.2	122

(wattage may vary up to 5% from published)



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**SAE 103**

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## Ordering Guide (continued)

Driver		NDM	Non Dimming
		D05	5% Dimming, 0-10V*
		D01	1% Dimming, 0-10V
		DS1	Soft-Start 1% Dimming, 0-10V
		D00	Dim-to-off (1%), 0-10V
		DS0	Soft-Start Dim-to-off (1%), 0-10V
		LEC	Hi-lume 1% EcoSystem LED driver
		DALI	DALI*
		DALIP	Powered DALI (2.0)* *Must be ordered with 2230TD, 2750T or 2765T option
Circuiting		1C	1 Circuit
Voltage		UNV	Universal Voltage (120V through 277V)
		347	347 Volt** *Excludes Emergency Battery Pack 'EF' Option. Excludes DALI and DALIP Dimming Drivers
Optional Features	Code	Options	Description
Nightlight		NL	Nightlight Circuit Required. Enter quantity. 2NL = 2 nightlight circuits/row
Emergency		EF	10W Emergency Battery Backup. Enter quantity. 2EF = 2 Emergency batteries/row. See Details for restrictions.
Thru-wiring		W1	No Thru Wire
		W2	Provide Normal and Emergency Thru Wiring*
		W3	Provide Normal Thru Wiring Only *Only applicable when specified with emergency
Dust Cover		L1	Clear Acrylic Dust Cover Lens
Control Options	Code	Options	Description
NX**		NXE	NX Enabled, Dual SmartPorts
		NXWE	NX Wireless Enabled
		NXES	NX Enabled, Dual SmartPorts, PIR Occupancy Sensor, Dimming Daylight Harvesting
		NXS	NX Enabled, PIR Occupancy Sensor, Dimming Daylight Harvesting (standalone)
		NXSW	NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting
		NXWD	NX Wireless Enabled, Dual SmartPORTs
		NXSWD	NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, Dual SmartPORTs *Not available for row mounting; Only available with 0-10V Driver options; Contact factory for Length restrictions
Sensors*		_SD1	Daylight Sensor Required. Enter quantity. 2SD1 = 2 daylight sensors/row

\* Additional lead time may be applicable. Contact factory.

# LED Wall Indirect/Direct SAE 103

## Details

### Construction:

20 gauge formed steel housing. Adjustable for easy leveling (see instruction sheet for details).

### Distribution:

73/27 indirect/direct. Asymmetric uplight distribution.

### Downlight diffuser:

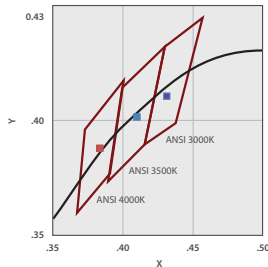
SGL-Soft diffuse acrylic lens  
BWO-White blade baffle with soft diffuse lens overlay.  
Decreases fixture efficacy by 2.5%.

### Finish/Color:

Click [here](#) for details.  
CC- Customer Colors may be subject to extended lead times.

### Color Temperature:

27K-2700K output multiplier (0.95)  
30K-3000K output multiplier (0.98)  
35K-3500K output multiplier (1.00)\*  
40K-4000K output multiplier (1.03)  
50K-5000K output multiplier (1.05)  
27K9-2700K 90 CRI output multiplier (0.83)  
30K9-3000K 90 CRI output multiplier (0.85)  
35K9-3500K 90 CRI output multiplier (0.88)  
40K9-4000K 90 CRI output multiplier (0.90)  
50K9-5000K 90 CRI output multiplier (0.93)  
\*Scale all values from 35K



### Color Variation:

2 step MacAdam ellipse

### Output (VI technology):

Variable Intensity (VI) technology allows precise specification of fixture output/wattage. Fixture will be programmed and labeled to specification. See output section for available increments.

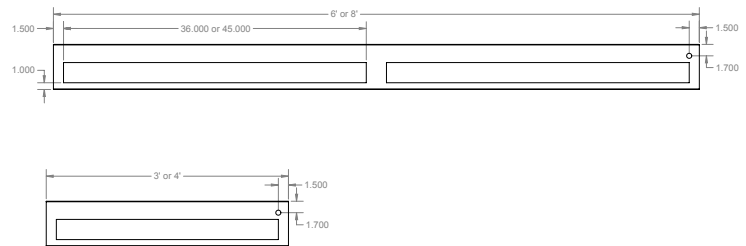
### Output:

Specify in 50 lumens increments/ft within the below range:

	Lumens/ft	Nomenclature
Min:	550	ID055
Max:	1400	ID140

### Driver:

NDM: Non-dimming. Fixture will be wired for fixed light output.  
D05: Osram 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.  
D01: 100%-1% dimming range. Fixture will be wired for low voltage 0-10V dimming control.  
DS1: Soft-Start 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.  
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. SR, DEXAL)



### Circuiting:

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

### Thru wiring:

See separate LC-Thruwire spec sheet for additional details.

### NX Distributed Intelligence: **NX DISTRIBUTED INTELLIGENCE**

Supports indoor and outdoor applications, wired, wireless and hybrid networked NX lighting control deployments and enables emerging applications such as Hubbell Lighting's SpectraSync™ color tuning technology.

See separate [NX™ Application Guide](#) for additional details.

See Hubbell Controls Solution [NX Brochure](#).

### Sensors:

SD1: Daylight sensor only (Wattstopper part# FD301). Installs between diffuser.

NX: NX Sensors installs between diffusers.

See separate [Control Options Guide](#) for additional details.

### SpectraSync™ Color Tuning Technology: **SpectraSync™**

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

Dim to Warm: Dim to Warm mimics the familiar warming effect that occurs with traditional incandescent sources as they are dimmed. (Available with 2200K-3000K).

Tunable White: Tunable White offers users the ability to tailor CCT to their personal preference, enhancing task visibility, material and colors or the aesthetics of the space. (Available with 2700K-5000K or 2700K-6500K).

See separate [SpectraSync™ Tech Sheet](#) for additional details.

See separate [NX™ Solutions Guide](#) for additional details.

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## Details

### Dust cover:

Available. Clear acrylic.

### Row joining:

Integral end headers with captive nuts and 1/4-20 machine screws (provided) are accessible without removal of any components.

### End caps:

Steel, flat-style. Attach with same method as row joining.

### Nightlight:

See separate LG-Nightlight spec sheet for additional details.

### Emergency:

EF - 10W battery powered driver.

Provides a minimum of 90 minutes of emergency lighting.

Inverter-Compatible. Provided by others.

### Field accessibility:

LED boards and drivers can be accessed, removed, and replaced from installed fixture. Contact factory.

### Fixture weight:

2.5 lbs/ft.

### Ratings:

CSA listed for damp locations. IBEW. AF of L. Non-ADA compliant.

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 [Buy American Solutions](#). Contact factory for configurations including NX or sensors.



### Warranty:

LED boards-5 years

LED drivers (standard)-5 years

LED drivers (Lutron)-3 years

CRI: 80 minimum

CCT	CRI	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
30K	83	81	90	96	81	81	86	84	62	12	75	80	68	83	98	75
35K	83	81	88	94	82	81	84	86	65	14	72	80	63	82	96	75
40K	83	82	90	95	81	81	85	87	66	14	75	79	59	84	97	76

### Rated Life (LED Board):

Tested in accordance to LM79-2008

L70: 287,000 (per TM-21 extrapolated curve)

L70: >61,000 (per TM-21/LM80 6x's limitation)

L90: 74,000 (per TM-21 extrapolated curve)

### Rated Life (Driver):

Standard = 100,000 hours

Lutron = 50,000 hours

# LED Wall Indirect/Direct SAE 103

## Photometry

**Fixture:** SAE103-W-ID-LPA-04-04-SGL-C1-35K-ID075

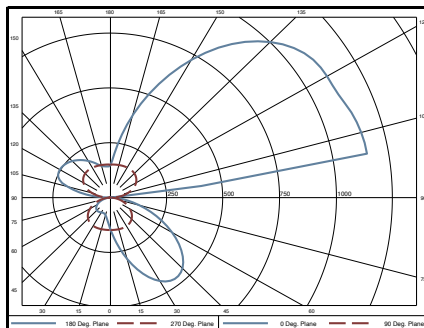
**CCT:** 3500K

**Output:** ID075

**Nominal lumens:** 750 lumens/ft

**Efficacy:** 133 lm/W

**Test report:** SAE103-W-ID-LPA-04-04-SOF-C1-35K-ID075



### Zonal Lumens

Zone	Lumens	Lamp %
0-40	286.1	9.2%
0-60	597.1	19.2%
0-90	809.1	26.1%
90-180	2295.4	73.9%
0-180	3104.5	100%