

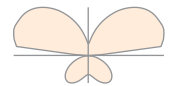
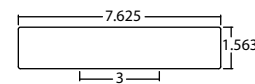
LED Pendant Indirect/Direct SAE 103

Fixture Type:

Project Name:

Ordering Guide

Feature	Code	Options	Description
Program		SAE	SAE Program
Series		103	103 LED Pendant Indirect/Direct
Mounting		P	Pendant
Fixture Distribution		ID	Indirect/Direct
Uplight Distribution		LPA	Low Peak Angle
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* *See page 3 for details
Color Temperature		30K	3000K
		35K	3500K
		40K	4000K
		2230TD	2200K-3000K SpectraSync™ Dim to Warm*
		2750T	2700K-5000K SpectraSync™ Tunable White*
Output/ft (specifiable in 50 lumens/ft increments)		ID055	550 (min)
		ID110	1100 (max output available with Lutron drivers)
		ID130	1300 (max)
Driver		NDM	Non Dimming
		D10	10% Dimming, 0-10V
		D01	1% Dimming, 0-10V
		D05	5% Dimming, 0-10V
		LEC	Hi-lume 1% EcoSystem LED driver
		LHI	Hi-lume 1% 3-wire LED driver
Circuiting		1C	1 Circuit
Voltage		UNV	Universal Voltage
		120	120 Volt
		277	277 volt
Suspension Kit		FA1	Suspension Kit, 51"
		FA2	Suspension Kit, 87"
		FA3	Suspension Kit, 219"
		FA4	Suspension Kit, 363"
			*Add suffix /V to replace all 2" non-feed canopy covers with 5" canopy covers. FA1/V=51" suspension kit w/5" canopies.



Key Features:

- Vi Technology for specifiable output/wattage
- SpectraSync™ Color Tuning Technology
- 73/27 indirect/direct distribution
- Maximum color variation of 2 SDCM
- 110 degree peak angle
- DesignLights Consortium (DLC) qualified, see www.designlights.org for specific product offerings
- **Stance 65L is now SAE103**

Performance

Nomenclature	Lumens/ft	W/ft	Efficacy
ID055 (min)	550	4.5	124
ID060	600	5.0	123
ID065	650	5.3	123
ID070	700	5.8	122
ID075	750	6.2	122
ID080	800	6.7	122
ID085	850	7.0	122
ID090	900	7.4	122
ID095	950	7.8	122
ID100	1000	8.4	120
ID105	1050	9.0	119
ID110	1100*	9.3	118
ID115	1150	9.8	118
ID120	1200	10.3	117
ID125	1250	10.8	117
ID130 (max)	1300	11.2	116

(wattage may vary up to 5% from published)
*Lutron not available above this level



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SAE 103

LED Pendant Indirect/Direct SAE 103

Ordering Guide (continued)

Optional Features	Code	Options	Description
Nightlight		_NL	Nightlight Circuit Required. Enter quantity. 2NL= 2 nightlight circuits/row
Emergency		_BLP1	Bodine BSL310LP. Indicate how many in the row. Example: 2BLP1 = 2 Emergency batteries/row.
Thru-wiring		W1 W2 W3	No Thru Wire Provide Normal and Emergency Thru Wiring* Provide Normal Thru Wiring Only *Only applicable when specified with emergency
Sensors		_SD1	Daylight Sensor Required. Enter quantity. 2SD1= 2 daylight sensors/row
Dust Cover		L1	Clear Acrylic Dust Cover Lens
T-Bar Clips		CB1 CB2 CB3	T-bar clip - 15/16" T-bar clip - 9/16" T-bar clip - 9/16" SS *All selections include Luminaire Canopy Box, see page 3 for details.

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Details

Construction:

20 gauge formed steel housing.

Distribution:

73/27 indirect/direct.

Downlight diffuser:

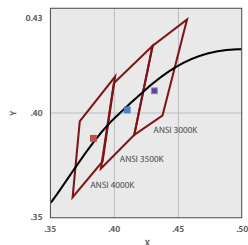
SGL-Soft diffuse acrylic lens. Ship installed.
BWO-White blade baffle with soft diffuse lens overlay. Decreases fixture efficacy by 2.5%. Ship installed.

Finish/Color:

Visit www.litecontrol.com/finishes for details.
CC- Customer Colors may be subject to extended lead times.

CCT:

30K-3000K output multiplier (.975)
35K-3500K output multiplier (1.0)
40K-4000K output multiplier (1.05)



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:	1300	ID130

Driver:

NDM: Non-dimming. Fixture will be wired for fixed light output.
D10: 100%-10% dimming range. Fixture will be wired for low voltage 0-10V dimming control.
D01: 100%-1% dimming range. Fixture will be wired for low voltage 0-10V dimming control.
D05: Osram 5% Dimming, 0-10V. Only option if either 2230TD, 2750T or 2765T is selected.
LEC: Lutron Ecosystem compatible using Lutron A-Series driver. 100%-1% dimming range.
LHI: Lutron Hi-Lume 3 wire dimming compatible using Lutron A-Series driver. 100%-1% dimming range.

*Lutron drivers have output limitations. Available range 550-1100 lumens/ft.

Circuiting:

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

Suspension Kit:

3/64" diameter field-adjustable aircraft cable. Ship separately. Suspension required at every row joint. Low profile yoke style limits visibility while providing maximum horizontal balance adjustment. Mounting points are exactly 36", 48", 72" & 96" (3',4',6',8' fixture lengths respectively).

Nightlight:

See separate LC-Nightlight spec sheet for additional details.

Emergency:

Integral-Bodine BSL310LP
Inverter-Compatible. Provided by others.

Thru wiring:

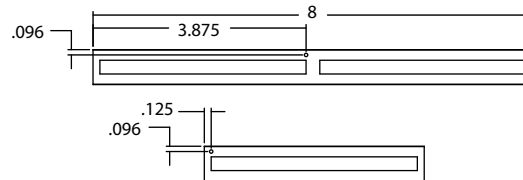
See separate LC-Thruwire spec sheet for additional details.

Canopy covers:

Non-feed-2" diameter (unless 5" non-feed cover is specified).
Feed-5" diameter.

Sensors:

Daylight sensor only (Wattstopper part# FD301). Installs between diffuser. See separate LC-Controls spec sheet for additional 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.

Feed cord:

3-wire, 5 amps max; 4-wire, 7 amps max; 5-wire, 5 amps max.

Field accessibility:

LED boards and drivers can be accessed and removed from above fixture, while installed. LED boards can be replaced either individually or as part of 4' module.

Luminaire Canopy Box:

See separate [LC instructions](#) for additional details
*For use with Grid Ceilings only

T-Bar Clips:

See separate [LC instructions](#) for additional details
*For use with Grid Ceilings only

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 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 (continued)

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

Fixture weight:

2.5 lbs/ft.

Ratings:

CSA listed for damp locations. IBEW. AF of L.

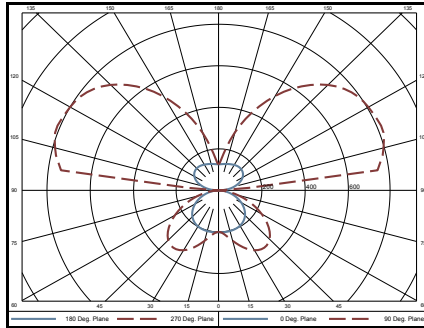
Warranty:

LED boards-5 years
 LED drivers (standard)-5 years
 LED drivers (Lutron)-3 years
 see www.litecontrol.com for details

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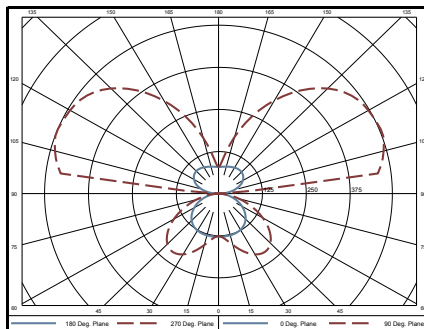
Photometry

Fixture: SAE103-P-ID-LPA-04-04-SGL-C1-30K-ID090
CCT: 3000K
Output: ID090
Nominal lumens: 900 lumens/ft
Efficacy: 118.7 lm/W
Test report: SAE103-P-ID-STD-04-04-SGL-C1-30K-ID090



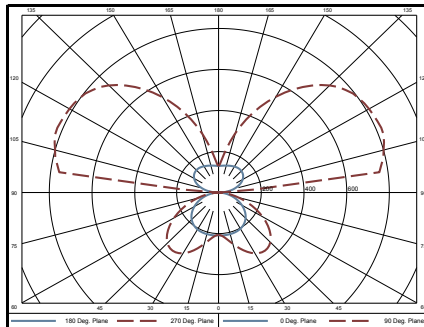
Zonal Lumens		
Zone	Lumens	Lamp %
0-40	374.0	10.1%
0-60	765.8	20.7%
0-90	1026.9	27.8%
90-180	2672.2	72.2%
0-180	3699.1	100%

Fixture: SAE103-P-ID-LPA-04-04-SGL-C1-35K-ID055
CCT: 3500K
Output: ID055
Nominal lumens: 550 lumens/ft
Efficacy: 122.9 lm/W
Test report: SAE103-P-ID-LPA-04-04-SGL-C1-35K-ID055



Zonal Lumens		
Zone	Lumens	Lamp %
0-40	235.2	10.2%
0-60	482.0	21.0%
0-90	650.1	28.3%
90-180	1646.7	71.7%
0-180	2296.8	100%

Fixture: SAE103-P-ID-LPA-04-04-SGL-C1-35K-ID090
CCT: 3500K
Output: ID090
Nominal lumens: 900 lumens/ft
Efficacy: 121.9 lm/W
Test report: SAE103-P-ID-LPA-04-04-SGL-C1-35K-ID090

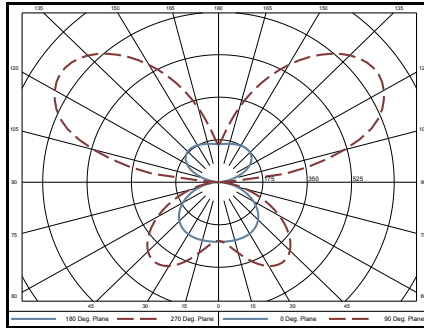


Zonal Lumens		
Zone	Lumens	Lamp %
0-40	385.5	10.1%
0-60	789.0	20.7%
0-90	1060.0	27.9%
90-180	2744.4	72.1%
0-180	3804.4	100%

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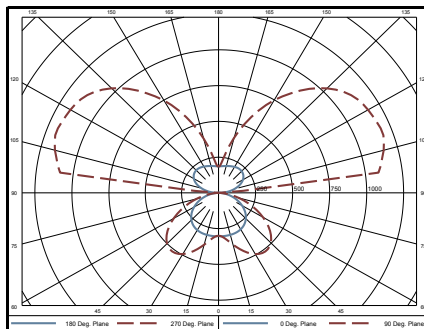
Photometry

Fixture: SAE103-P-ID-LPA-04-04-SGL-C1-35K-ID090-L1
CCT: 3500K
Output: ID090 (with dust cover)
Nominal lumens: 900 lumens/ft
Efficacy: 113.9 lm/W
Test report: SAE103-P-ID-LPA-04-04-SGL-C1-35K-ID090-L1



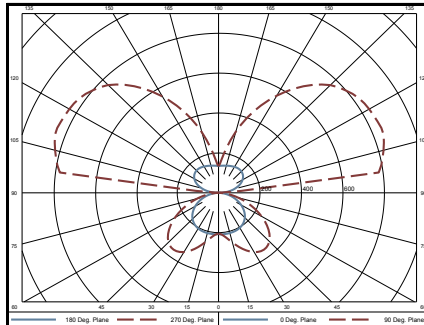
Zonal Lumens		
Zone	Lumens	Lamp %
0-40	452.7	12.7%
0-60	928.9	26.1%
0-90	1248.9	35.1%
90-180	2308.2	64.9%
0-180	3557.1	100%

Fixture: SAE103-P-ID-LPA-04-04-SGL-C1-35K-ID130
CCT: 3500K
Output: ID130
Nominal lumens: 1300 lumens/ft
Efficacy: 124.7 lm/W
Test report: SAE103-P-ID-LPA-04-04-SGL-C1-35K-ID130



Zonal Lumens		
Zone	Lumens	Lamp %
0-40	557.6	10.3%
0-60	1141.5	21.2%
0-90	1534.2	28.5%
90-180	3854.0	71.5%
0-180	5388.2	100%

Fixture: SAE103-P-ID-LPA-04-04-SGL-C1-40K-ID090
CCT: 4000K
Output: ID090
Nominal lumens: 900 lumens/ft
Efficacy: 124.7 lm/W
Test report: SAE103-P-ID-LPA-04-04-SGL-C1-40K-ID090



Zonal Lumens		
Zone	Lumens	Lamp %
0-40	385.7	9.9%
0-60	791.4	20.3%
0-90	1063.6	27.3%
90-180	2829.8	72.7%
0-180	3893.4	100%