

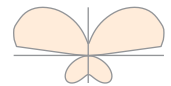
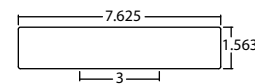
LED Pendant Indirect/Direct SAE 103

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 LPAD	Low Peak Angle 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

* Additional lead time may be applicable. Contact factory.



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	4.2	133
ID060	600	4.7	132
ID065	650	5.0	132
ID070	700	5.4	131
ID075	750	5.8	131
ID080	800	6.3	131
ID085	850	6.5	131
ID090	900	6.9	131
ID095	950	7.3	131
ID100	1000	7.8	129
ID105	1050	8.4	127
ID110	1100*	8.7	126
ID115	1150	9.2	126
ID120	1200	9.6	125
ID125	1250	10.1	125
ID130	1300	10.5	124

(wattage may vary up to 5% from published)



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SAE 103

LED Pendant Indirect/Direct SAE 103

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
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; Canopies and feed cord are supplied in white regardless of fixture color unless otherwise specified. For dual feed contact factory.
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
T-Bar Clips		CB1	T-bar clip - 15/16"
		CB2	T-bar clip - 9/16"
		CB3	T-bar clip - 9/16" SS *Includes Luminaire Canopy Box.

+ Additional lead time may be applicable. Contact factory.

LED Pendant Indirect/Direct SAE 103

Ordering Guide (continued)

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 Pendant Indirect/Direct SAE 103

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.

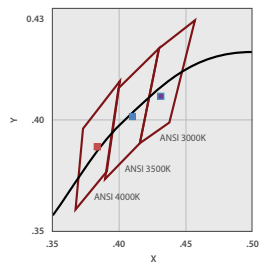
Finish/Color:

Click [here](#) for details.

CC- Customer Colors may be subject to extended lead times.

CCT:

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

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).

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)

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.

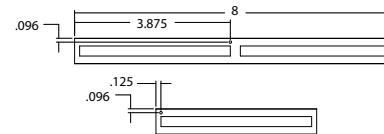
See Hubbell Controls Solution [NX Brochure](#).

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.

LED Pendant Indirect/Direct SAE 103

Details (continued)

Nightlight:

See separate LC-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.

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.

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, removed, and replaced from installed fixture. Contact factory.

Luminaire Canopy Box:

For use with Grid Ceilings only

T-Bar Clips:

For use with Grid Ceilings only

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

Ratings

CSA listed for damp locations. IBEW. AF of L
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 Act Solutions](#). Contact factory for configurations including NX or sensors.



Fixture weight:

2.5 lbs/ft.

Ratings:

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

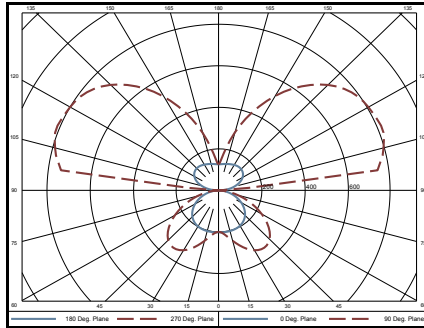
Warranty:

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

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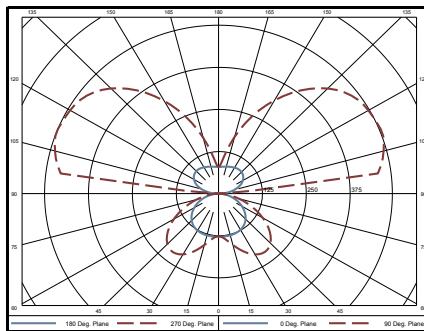
Photometry

Fixture: SAE103-P-ID-LPA-04-04-SGL-C1-30K-ID090
CCT: 3000K
Output: ID090
Nominal lumens: 900 lumens/ft
Efficacy: 127 lm/W
Test report: SAE103-P-ID-STD-04-04-SGL-C1-30K-ID090



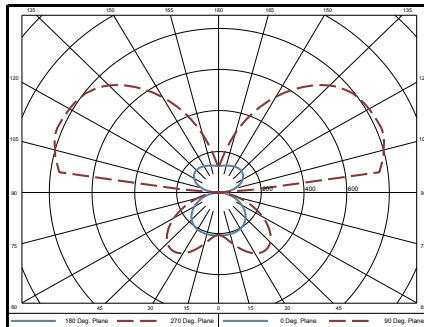
Zonal Lumens		
Zone	Lumens	Lamp %
0-40	374.0	10.1%
0-60	765.8	20.7%
0-90	1026.9	27.8%
90-180	2672.2	72.2%
0-180	3699.1	100%

Fixture: SAE103-P-ID-LPA-04-04-SGL-C1-35K-ID055
CCT: 3500K
Output: ID055
Nominal lumens: 550 lumens/ft
Efficacy: 132 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: 130 lm/W
Test report: SAE103-P-ID-LPA-04-04-SGL-C1-35K-ID090

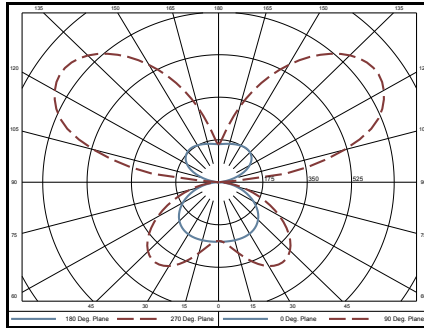


Zonal Lumens		
Zone	Lumens	Lamp %
0-40	385.5	10.1%
0-60	789.0	20.7%
0-90	1060.0	27.9%
90-180	2744.4	72.1%
0-180	3804.4	100%

LED Pendant Indirect/Direct SAE 103

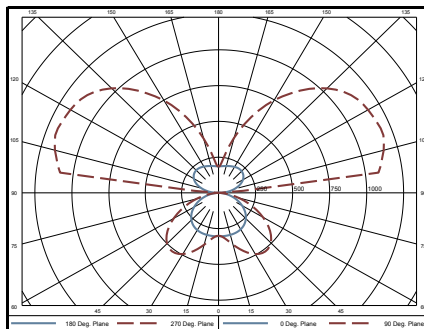
Photometry

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: 122 lm/W
Test report: SAE103-P-ID-LPA-04-04-SGL-C1-35K-ID090-L1



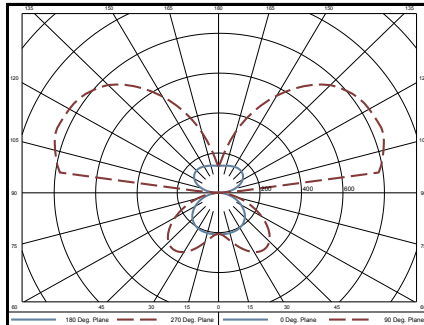
Zonal Lumens		
Zone	Lumens	Lamp %
0-40	452.7	12.7%
0-60	928.9	26.1%
0-90	1248.9	35.1%
90-180	2308.2	64.9%
0-180	3557.1	100%

Fixture: SAE103-P-ID-LPA-04-04-SGL-C1-35K-ID130
CCT: 3500K
Output: ID130
Nominal lumens: 1300 lumens/ft
Efficacy: 133 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: 133 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%