

SAE 103

LED PENDANT INDIRECT/DIRECT

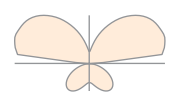
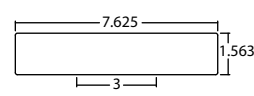
Fixture Type: _____

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 |
| | | 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 (Default) |
| | | C2 | Textured Matte White |
| | | C3 | Light Silver |
| | | C4 | Machined Aluminum |
| | | C5 | Carbon Black |
| | | C6 | Textured Camera Black |
| | | CC | Custom Color |
| Color Temperature | | 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 |



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
- 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.
- **Stance 65L is now SAE103**



10 DAY QUICK SHIP PROGRAM = Gray Highlighting

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)

* Additional lead time may be applicable. Contact factory.



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| DATE: | LOCATION: |
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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 |
| 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.

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| DATE: | LOCATION: |
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Ordering Guide (continued)

| Control Options | Code | Options | Description |
|-----------------|------|---------|---|
| NX** | | NXE | NX Wired Dual RJ45 SmartPORTS, without Sensor |
| | | NXW | NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor |
| | | NXERM | NX Wired Dual RJ45 SmartPORTS and Integral NXSMP2-LMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming |
| | | NXWRM | NX Networked Wireless Enabled Integral NXSMP2-LMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming |
| Sensors* | | _SD1 | Daylight Sensor Required. Enter quantity. 2SD1= 2 daylight sensors/row |

* Additional lead time may be applicable. Contact factory.

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Details

Construction:

20 gauge formed steel housing.

Distribution:

73/27 indirect/direct.

Downlight diffuser:

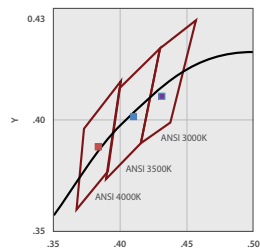
SGL-Soft diffuse acrylic lens. Ship installed.
BWO-White blade baffle with soft diffuse lens overlay. Decreases fixture efficacy by 2.5%. Ship installed.

Finish/Color:

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).

| | |
|------------|-----------|
| DATE: | LOCATION: |
| TYPE: | PROJECT: |
| CATALOG #: | |

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)

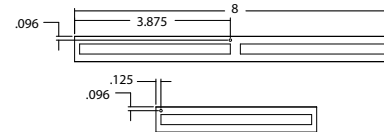
NX Lighting Controls:



Supports indoor and outdoor applications, wired, wireless and hybrid networked NX lighting control deployments and enables emerging applications such as Current Lighting's SpectraSync™ color tuning technology. See separate NX Application Guide for additional details. See 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:



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)

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

| | |
|------------|-----------|
| DATE: | LOCATION: |
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| CATALOG #: | |

Ratings

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

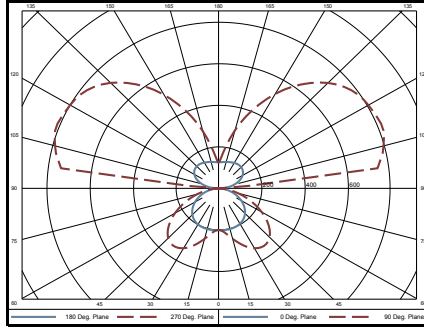
LED boards-5 years
LED drivers (standard)-5 years
LED drivers (Lutron)-3 years

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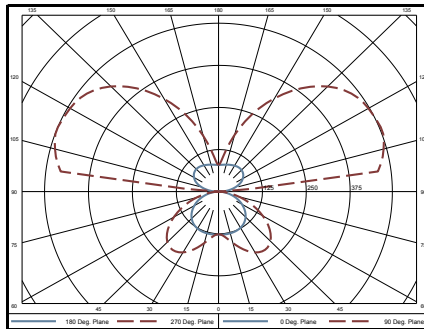
Photometry

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



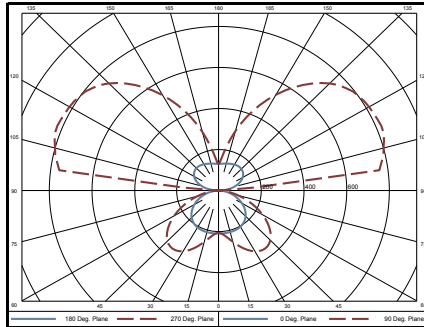
| Zonal Lumens | | |
|--------------|--------|--------|
| Zone | Lumens | Lamp % |
| 0-40 | 374.0 | 10.1% |
| 0-60 | 765.8 | 20.7% |
| 0-90 | 1026.9 | 27.8% |
| 90-180 | 2672.2 | 72.2% |
| 0-180 | 3699.1 | 100% |

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



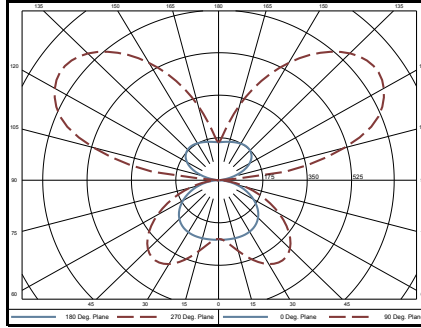
| Zonal Lumens | | |
|--------------|--------|--------|
| Zone | Lumens | Lamp % |
| 0-40 | 385.5 | 10.1% |
| 0-60 | 789.0 | 20.7% |
| 0-90 | 1060.0 | 27.9% |
| 90-180 | 2744.4 | 72.1% |
| 0-180 | 3804.4 | 100% |

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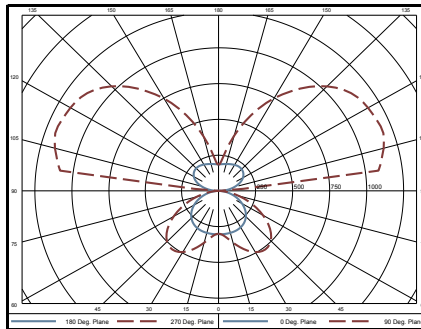
Photometry

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



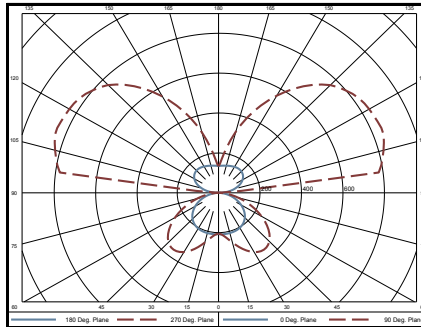
| Zonal Lumens | | |
|--------------|--------|--------|
| Zone | Lumens | Lamp % |
| 0-40 | 452.7 | 12.7% |
| 0-60 | 928.9 | 26.1% |
| 0-90 | 1248.9 | 35.1% |
| 90-180 | 2308.2 | 64.9% |
| 0-180 | 3557.1 | 100% |

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% |