

Project		Catalog #		Type	
Prepared by		Notes		Date	



Shaper

Shaper Sense™ Circle

Pendant Luminaire
Suspended Direct/Indirect

Typical Applications

- Office • Education • Healthcare • Hospitality • Retail
- Code-Compliance Areas • Co-working

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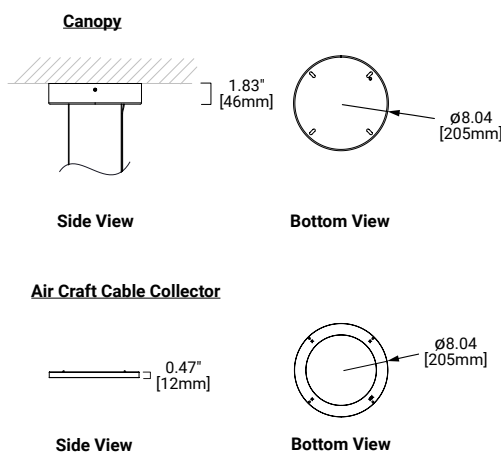
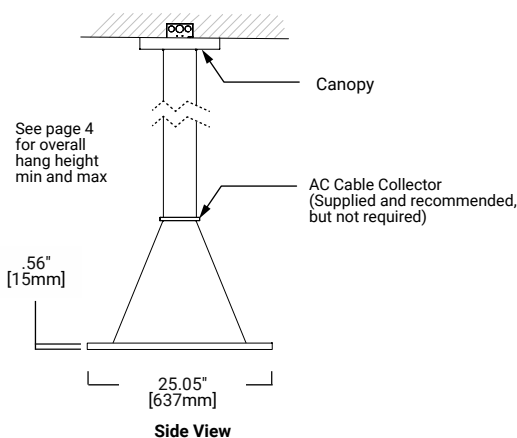
Compliance and Award Winning Family
Systems | Certification | Partnerships | Awards



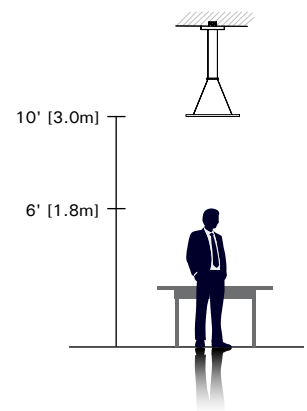
Top Product Features

- Shaper Sense is an award winning and patented acoustic lighting product series that merges the concepts of light and sound absorption. Shaper Sense Circle is the light engine for the acoustic products.
- Lighting is created by an edge-lit circle LED panel with an array of patterns that produce uniform visual distribution.
- Lumen levels range from 3200 to 8900+, with Lumens per Watt from 109 to 151LPW.
- Shaper Sense Circle has 3 CCTs (3000K, 3500K, and 4000K) in 80 CRI or 90 CRI.
- Light engine is ~0.5" in height and ~25" diameter.
- Options to meet Buy American Act requirements

Dimensions



Scale



Order Information

FIXTURE NUMBER SAMPLE: **ShSe-CIRCLE-1-L40-80-UNV-CW-STD**

Domestic Preferences	Series	Shape / Family	Light Level (Lumens Wattage)	Color Temp (CCT)	CRI	Voltage	Mounting	Driver / Dimming	Accessories (Optional)
Blank =Standard BAA =Buy American Act	ShSe = Shaper Sense	CIRCLE = Circle shaped light fixture	1 = 4563 lms/ 28W/ 161 LPW 2 = 6842 lms/ 46W/ 151 LPW 3 = 8991 lms/ 61W/ 149 LPW	L30 = 3000K L35 = 3500K L40 = 4000K	80 = 80 CRI 90 = 90 CRI	UNV = Universal Voltage (120-277V)	CW = Canopy mount - White (works for surface, open structure, and gypsum ceilings)	STD = 0-10V (1%) Dimming DCD = 0-10V (0.1%) Dimming LH1 = Lutron Hi-Lume 1% Eco System Dimming*	WTA = Wavelinx Tile Mount Sensor
Notes Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.	Notes	Notes	Notes	Notes	Notes	Notes	Notes Air craft cable Collector is same color as canopy mount	Notes 1. Not available for light level 3	Notes

Product Specifications

Construction

- Light Engine is 6063-T5 extruded aluminum and 20 gauge cold rolled steel frame
- Light Engine are supported with max load 132lb cable
- Weight: 7lbs fully assembled

Electrical

- Standard Drivers feature electronic universal voltage (120-277V/ 50-60 Hz), greater than 0.9 power factor
- 20% harmonic distortion, and features ambient temperature of 25°C (77°F). 0-10V dimming standard

LED Optics

- Light Engine is 85% transparent
- LPW 100+ in some 3500K and 4000K configurations
- Light Engine offered in 80 and 90 CRI, in 3000K, 3500K, and 4000K CCTs.

Mounting

- Light Engine supported by aircraft cable. 12ft adjustable AC cable supplied
- Recommended minimum height of 15' from AC

cable collector to Light Engine

- Driver box assembly can mount to any ceiling type, open structure, gyp., or acoustic tile
- Light Engine can be supported by junction box supporting 50lb load.
- Low voltage cable connects to remote driver box assembly.
- AC Cable Collector recommended but not required
- Canopy and collector available in white, black, or silver.

Finish

- Light Engine - Housing is white powder coat paint for superior protection against fade and wear

Compliance

- Light Engine components are UL recognized
- Light Engine are cULus listed for 25°C ambient environments, dry listed
- Light Engine tested per IESNA LM-79
- LM-80 data supplied by LED manufacturer and utilized in TM-21 lumen maintenance projections
- Light Engine is FCC compliant

Environment

- Indoor only, dry listing
- 25°C ambient temperature

Control

- 0-10V dimming standard
- Optional - WaveLinx and Lumawatt Pro wireless control systems

Warranty

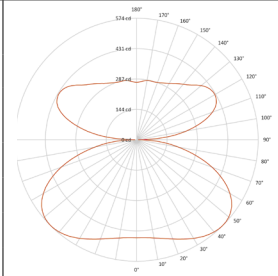
- Five year warranty standard

Lumen Maintenance

Ambient Temperature	Lumen Maintenance: TM-21 (60,000 Hours)	Theoretical L70 (Hrs)
25°C	> 80%	> 54,000

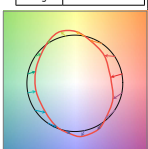
Photometric Data - Light Level 1

SHAPER SENSE - CIRCLE - LL1 @ 4000K / 80 CRI	
Filename	ShSe-CIR-1-L40-80-UNV-STD.ies
Test No.	P402537
Lumcat	ShSe-CIR-1-L40-80-UNV-STD
Lumens	4563 Lm
Watts	28.3 W
LPW	161.2 Lm/W
CCT	4000K
SC (0/90/45)	1.82 / 1.82 / 1.82



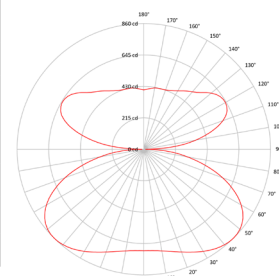
**Color Vector Graphic
TM-30-15**

R _f	70
R _g	86



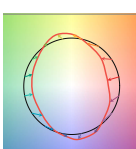
Photometric Data - Light Level 2

SHAPER SENSE - CIRCLE - LL3 @ 4000K / 80 CRI	
Filename	ShSe-CIR-2-L40-80-UNV-STD.ies
Test No.	P402543
Lumcat	ShSe-CIR-2-L40-80-UNV-STD
Lumens	6842 Lm
Watts	45.3 W
LPW	151 Lm/W
CCT	4000K
SC (0/90/45)	1.82 / 1.82 / 1.82



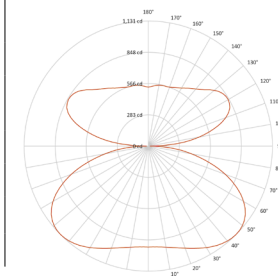
**Color Vector Graphic
TM-30-15**

R _f	70
R _g	86



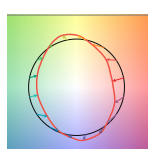
Photometric Data - Light Level 3

SHAPER SENSE - CIRCLE - LL3 @ 4000K / 80 CRI	
Filename	ShSe-CIR-3-L40-80-UNV-STD.ies
Test No.	P402548
Lumcat	ShSe-CIR-3-L40-80-UNV-STD
Lumens	8991.6 Lm
Watts	60.5 W
LPW	136 Lm/W
CCT	4000K
SC (0/90/45)	1.82 / 1.82 / 1.82



**Color Vector Graphic
TM-30-15**

R _f	70
R _g	86



Light Level - CCT - CRI | Lumen Levels - Wattage - Lumens/ Watt

CIRCLE	
Light Level-CCT-CRI	LUMENS
1-L30-80	4327
1-L35-80	4371
1-L40-80	4563
1-L30-90	3293
1-L35-90	3637
1-L40-90	3657
2-L30-80	6488
2-L35-80	6554
2-L40-80	6842
2-L30-90	4938
2-L35-90	5453
2-L40-90	5484
3-L30-80	8526
3-L35-80	8613
3-L40-80	8991
3-L30-90	6489
3-L35-90	7166
3-L40-90	7206

Color block denotes highest and lowest lumen levels

CIRCLE	
Light Level-CCT-CRI	WATTS
1-L30-80	29
1-L35-80	28
1-L40-80	28
1-L30-90	28
1-L35-90	28
1-L40-90	28
2-L30-80	45
2-L35-80	45
2-L40-80	45
2-L30-90	45
2-L35-90	45
2-L40-90	45
3-L30-80	61
3-L35-80	61
3-L40-80	61
3-L30-90	61
3-L35-90	61
3-L40-90	61

CIRCLE	
Light Level-CCT-CRI	LPW
1-L30-80	152
1-L35-80	155
1-L40-80	161
1-L30-90	119
1-L35-90	132
1-L40-90	133
2-L30-80	143
2-L35-80	145
2-L40-80	151
2-L30-90	109
2-L35-90	120
2-L40-90	121
3-L30-80	141
3-L35-80	142
3-L40-80	149
3-L30-90	107
3-L35-90	118
3-L40-90	119

44% up 56% down

Connected Control (Optional)

WaveLinX (SWPD1) Wireless Sensor LumaWatt Pro (LWIPD1) Ordering Information.

Product Family	Description
WTA = WaveLinX Wireless Sensor	<p>WTA =</p> <ul style="list-style-type: none"> WaveLinX wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with 0-10V driver (Refer to WaveLinX system specifications and guides for details). Field installed accessory WaveLinX Sensor Kit. Passive Infrared, Dimming Daylight Harvesting (Closed Loop), and for 144 sq ft coverage. The WTA WaveLinX kit includes control module that mounts on the luminaire electrical junction box via 1/2" knock-out, and tilemount sensor with direct-mount spring clips or for octagon ceiling box with included mounting bracket. (Field mount kit ordered and installed separately)
WTE = WaveLinX RTLS Tile Sensor	

WaveLinX

The WaveLinX Tilemount sensor option is an integral part of the WaveLinX Wireless Connected Lighting System and offers 3 amp relay control and continuous 0-10V dimming of Shaper Sense luminaires. The tilemount sensor provides daylight dimming and control for a single luminaire or can be daisy chained for group luminaire control. The sensor's control module allows simple electrical Junction Box mounting via 1/2" knock out or direct connection to the junction box attached to the Shaper luminaire. The WaveLinX Tilemount daylight sensor operates on a wireless mesh network based on IEEE 802.15.4 standards and is controlled by a WaveLinX Wireless Area Controller.

Sensor Mounting and Coverage

