

1400 and 1800

Architectural LED luminaires

Shaper





Aesthetic Functionality. Aesthetic Performance.

Introducing the Shaper 1400 and 1800 series of performance pendants, architecturally inspired and affordably positioned. This pendant series features superior optical performance, as well as connection to smart building systems. With a wide range of playful finishes and decorative options, the Shaper 1400 and 1800 series gives designers limitless options that will meet any lighting requirement and budget.

Shaper



Shaper 1400
"The Little Guy"



Shaper 1800
"The Big Guys"



WILD

TAME



FUN. BOLD. FUNCTIONAL.

The Shaper 1400 and 1800 Pendants

/ 'shay-per pendənts /

1. a light designed to hang from the ceiling that is both functional and pleasing. Sought after and used by many skilled lighting specifiers and professionals. The Shaper 1400 and 1800 series of pendants - simply, fun.

ONE FOR YOU, ONE FOR ME

Two tones of color
in one fixture!



Make thousands of combinations that speak loud and boldly or with quiet confidence. Select a shade color, select a trim color, (select a cord color on the 1400), and create countless options. These choices and color combinations make the 1400 and 1800 series of performance pendants, something worth talking about!

Select from the standard RAL / Pantone paint selections...or match your own custom two tone colors. Opportunities include, but are not limited to: education facilities, corporate offices, healthcare (children's hospitals or areas), national accounts, and many more! The applications are endless...



I WANT CANDY

A delectable assortment of colors and cords make the Shaper 1400 and 1800 a delight for the senses. For the 1400: the shade, the trim, and the color cord, can be designed to oppose or match each other. For the 1800: the shade can be different or the same as the trim. Select your favorite combination, time and time again.

10 paint colors and 2 metal finishes.

RR Real Red	OC Orange Crush	YE Yello?	AL Avocado Lime	BM Black Metal	BA Brushed Aluminum
SS Seafoam See	TT Total Turquoise	EB Earth Blue	CG Charcoal Gray	WL White Light	CS Copper Spun

See specification sheets for exact RAL and Pantone color numbers for your perfect match!

14 fun and playful Color Cord Selections to mix and match.

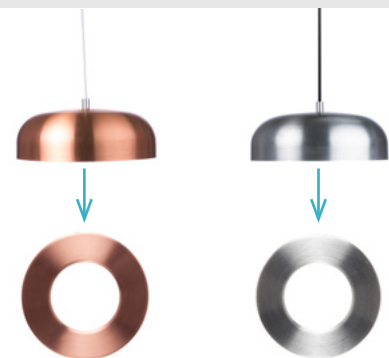
CC-031 Gray Tweed	CC-002 Black & White Zig Zag	CC-003 Black & White Houndstooth	CC-029 Gunmetal Silver	CC-001 Black	CC-119 Pearl	CC-229 Copper Penny	CC-510 Purple	CC-540 Magenta	CC-401 Cobalt Blue	CC-320 Lime Green	CC-710 Yellow Gold	CC-810 Orange	CC-620 Red
													

Ooh Lala!
So much color!
So much fun!

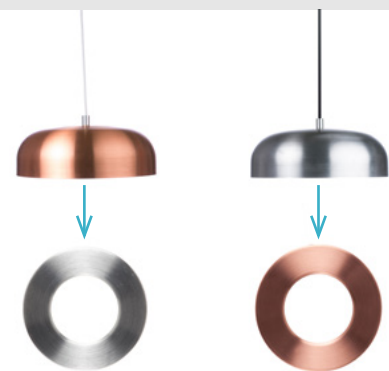


Shaper

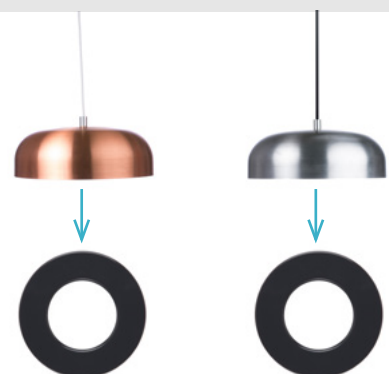
Metal finishes make the 1400 and 1800 series of pendants have a high end feel for an affordable price. These metals can mix and match with each other or with painted trims as well.



Match metals



Mix metals



Mix metals with paint

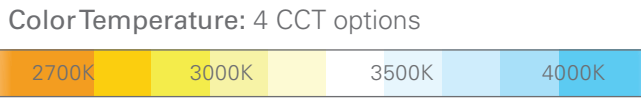
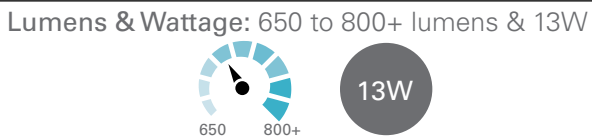
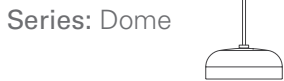


1400

The Little Guy

A simple and modern decorative pendant with performance optics and a multitude of color options create thousands of looks.

The Selections



Voltage: 120V

Dimming: ELV

Shades, Trims & Cords

12 Shade finishes



12 Trim finishes

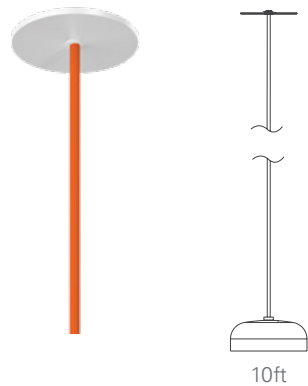


14 Color cords

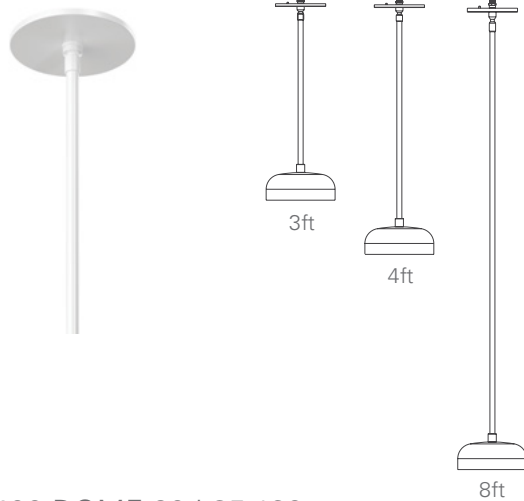


Mounting

Decorative Color Cord

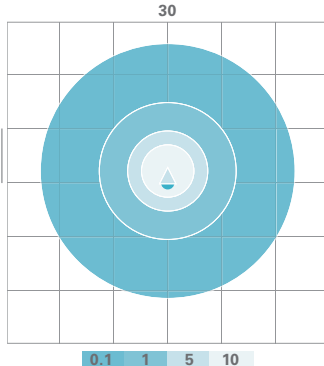
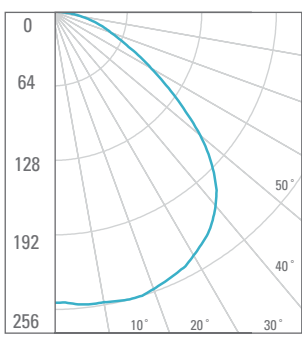


Rigid Stem

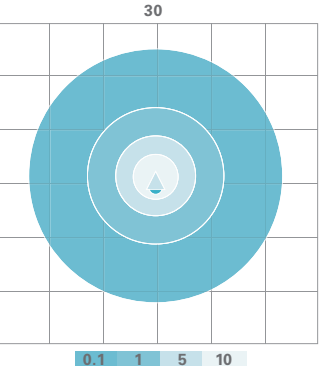
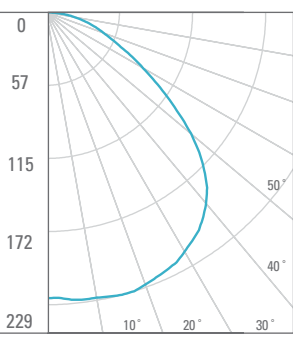


Photometrics

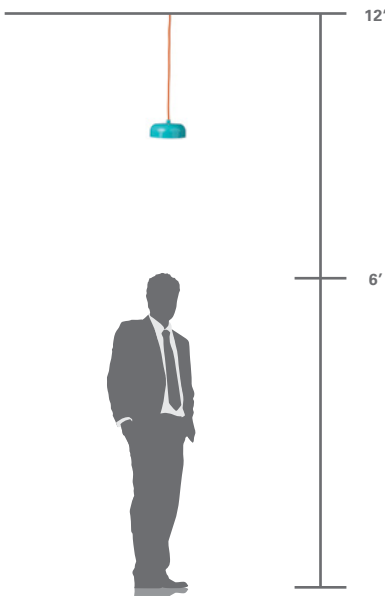
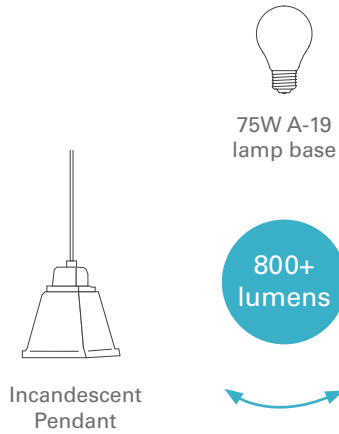
1400-DOME-80-L30-120



1400-DOME-90-L35-120



Scale and Comparison



1800

The Big Guys

A simple and modern decorative pendant with performance optics and a multitude of color options create thousands of looks.

The Selections

Series: 1800

Shaper: Dome
RLM



CRI: 80 or 90



Lumens & Wattage: 4600 to 7600+ lumens & 42W to 83W



Color Temperature: 4 CCT options



Voltage: UNV (120-277V), 347V

Dimming: 0-10V

Shades & Trims

12 Shade finishes

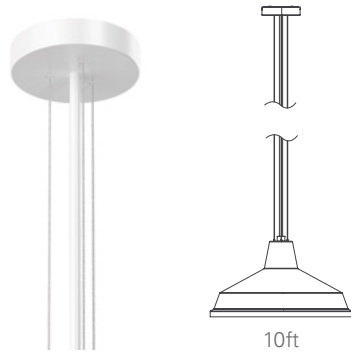


12 Trim finishes

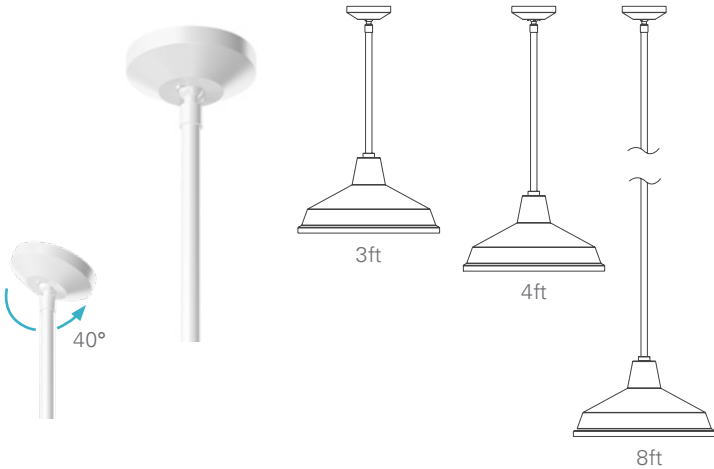


Mounting

Aircraft Cable

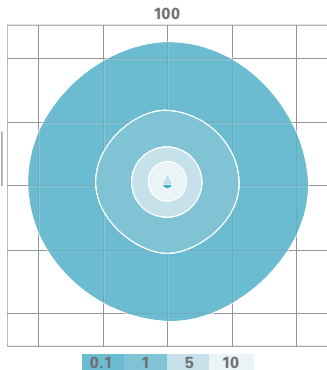
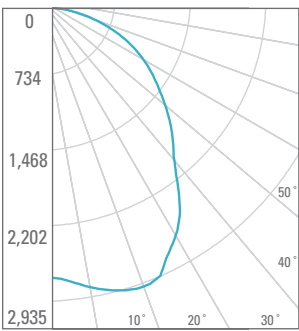


Rigid Stem

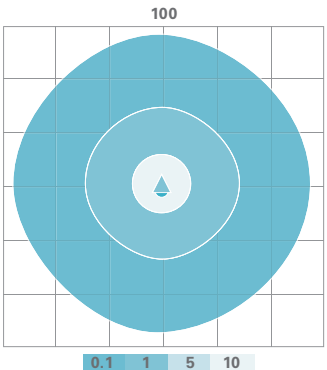
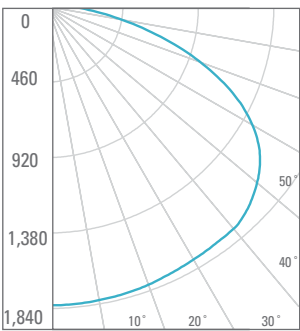


Photometrics

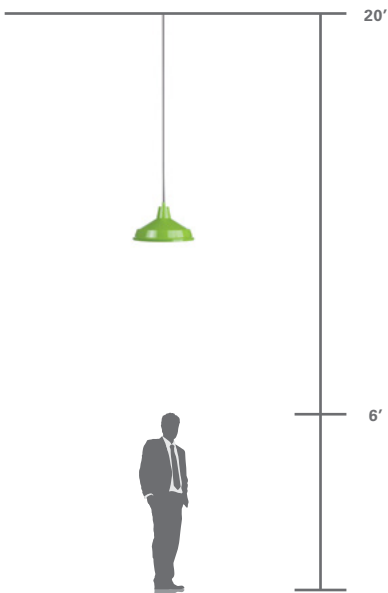
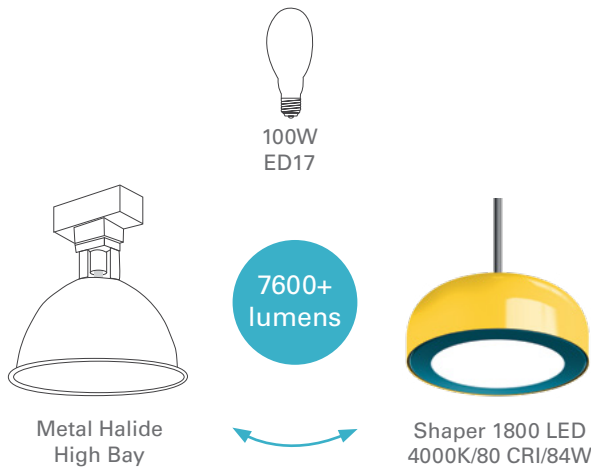
1800-X-80-L40-4-M-UNV-STD-X



1800-X-90-L40-4-W-UNV-STD-X-X



Scale and Comparison



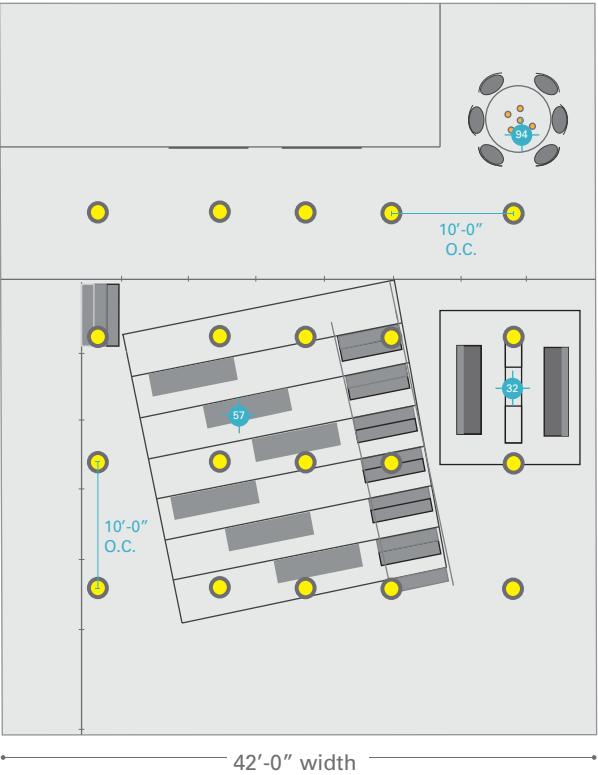
Shaper

Where modern taste meets elegant appeal, the sleek dome shape of the 1400 series can be suited for any occasion or location... Dress your environment up or dress it down, but the 1400 is always in style.



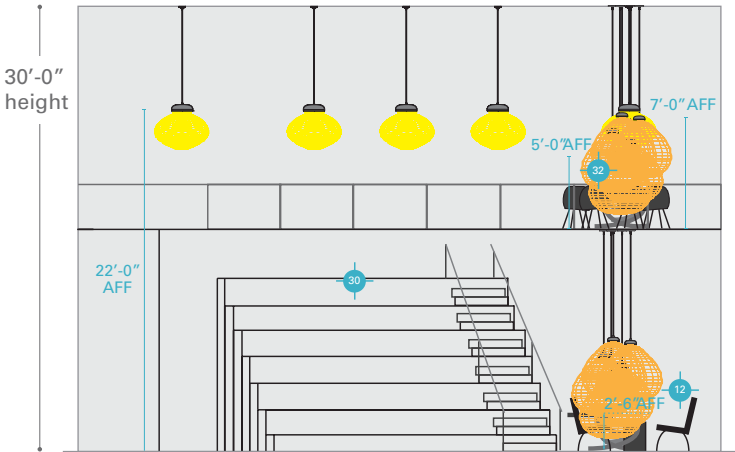
LAY IT ALL OUT

Illuminance values for general ambient, task and vertical lighting.



Reflectance: 80/50/20
max : min
2 : 1
23 fc avg @ floor
LPW: 0.7

1.9:1 for facial modeling at seating
Recommended vertical foot-candles
1.5:1
(IESNA Table 12.6)

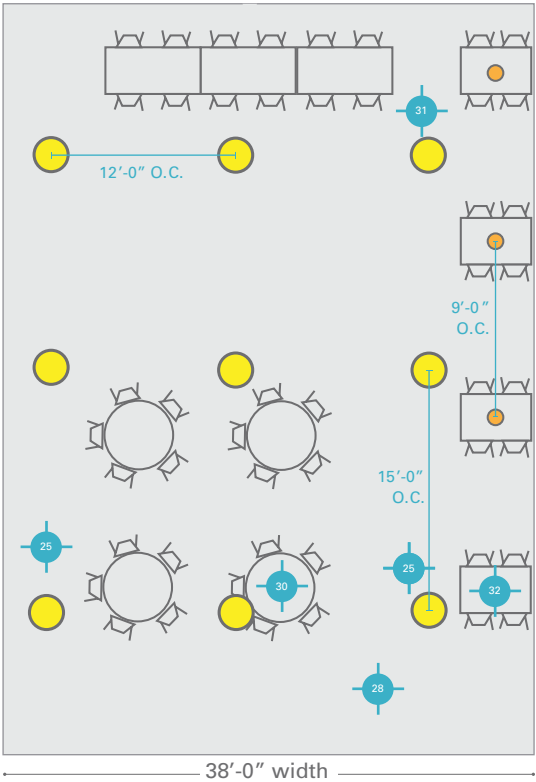
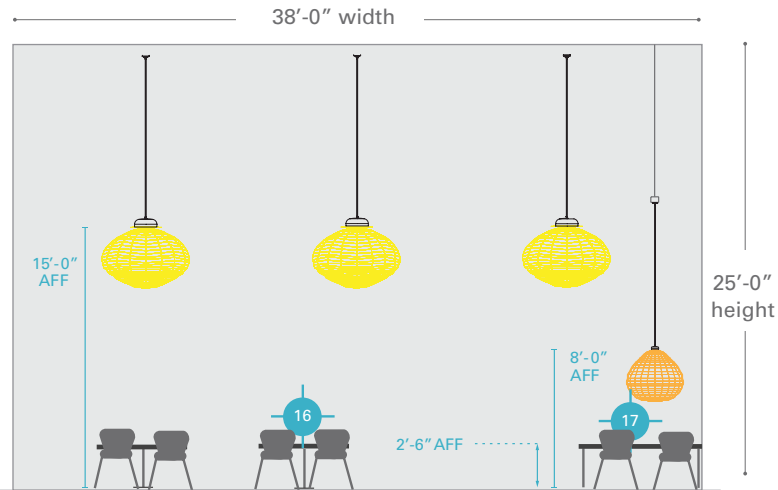


Illuminance values for visual tasks and computer screens using ambient light.



Reflectance: 80/50/20
max:min
1.4:1
28 fc avg @ floor
LPW: 0.5

32 fc avg @ table (2'-6" height)
high visual tasks with electronic displays
Recommended task illuminance: 30fc
(IESNA Table 32.2)



A CONFLUENCE OF LIGHT + TECHNOLOGY

Architecture is alive

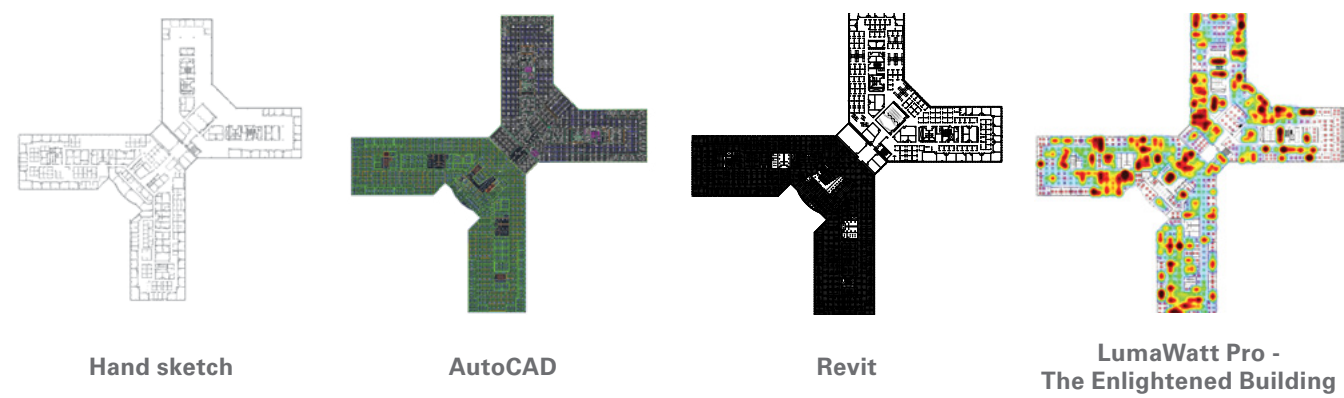
Architecture has entered into a new era that is challenging and changing the built space. The evolution of architectural design, is taking a static building to a state of dynamic movement, response, and reaction. This is possible today, with the most sophisticated and advanced system on the market.

Using digital sensors acting as data collection points, the system provides the end user analytical information about their built space unlike ever before. This data collection can provide many layers of solutions for whatever is happening in the space.

The sensor resides in the density spacing of a light fixture layout, creating a grid network. The LumaWatt Pro sensor and analytic system has been designed and built to handle large infrastructure enterprises. The Shaper 1800 can encompass this technology for retail and commercial spaces that want to better understand their environment.

LumaWatt Pro powered by Enlighted

Evolution of the built space and how we design



The new technology revolution is here. Buildings now have a pulse that can react to its inhabitants in real time, providing end user feedback on what their building is doing. End users pay for outcomes collected by devices positioned strategically, in their homes, retail, or commercial spaces. This outcome provides the services and response reactions to generate Return On Investment retention and monetization from the day it is installed. Whether through data collection or spacial analytics, the architectural space has now grown up.

Data is the new currency that provides end users with information about how their built space reacts to its inhabitants. End users pay for a service that tells them information about their space. Based on their interests, the App can maximize or streamline the efficiency of their space.

A few examples of this return on investment are:

Example 1: In a retail environment, being able to track customers’ “virtual paths” is key and critical in understanding how to maximize merchandising locations and for studying traffic flow.

Example 2: Occupants of a building space have “maximized” common spaces like conference rooms or hoteling work spaces, but in reality, the spaces are not being used correctly. The building facility managers can use the LWP system to monitor the occupied to unoccupied ratio, in real time to see if these spaces are truly being used to the buildings’ designed capacity levels. Facility managers can redirect the layout to meet maximum spatial efficiency by using the data

collected via the sensor system.

Example 3: Reducing expense with janitorial services that may not need to clean low traffic areas daily. By observing the daily traffic usage pattern in large spaces, the cleaning expense can be saved.

Example 4: Track high value equipment in a space. Medical equipment in hospitals are often stowed away by staff and nurses. They can spend more than an hour trying to locate high value equipment. With tracking devices attached to these high value pieces of equipment, they can now be located in real time. This translates into valuable time saved, and maximizing labor efficiency.

Example 5: Fork lifts that have a certain amount of battery life and need to be re-charged, regularly. An owner can see the locations of these fork lifts, and when they are low in battery life have them sent back to their charging stations. This prevents down time and profitability loss.

A MOVEMENT OF DATA AND INFORMATION

The LumaWatt Pro sensor is incorporated into the widest offering of light fixtures on the market under the Cooper Lighting Solutions platform. The sensor sends information back to a central location that stores this activity and information, which can the be analyzed. How this information can be used is endless. However, three market-ready solutions are available today: (Space) app - motion, frequency of occupation, and occupied or unoccupied observation through detection. (Where) app - real time location services of monitoring objects in motion. (Aire) app - energy management system.

Space

The movement of a path that defines a space is best explained by:

“...the perceptual thread that links the spaces of a building, to any series of interior or exterior spaces, together. We move through time, through a sequence of spaces, we experience a space in relation to where we’ve been, and where we anticipate going”

- F Ching

The LWP system of Space utilization app lets you know the frequency of people’s physical locations, paths taken through a spaces, and how often the space is used.

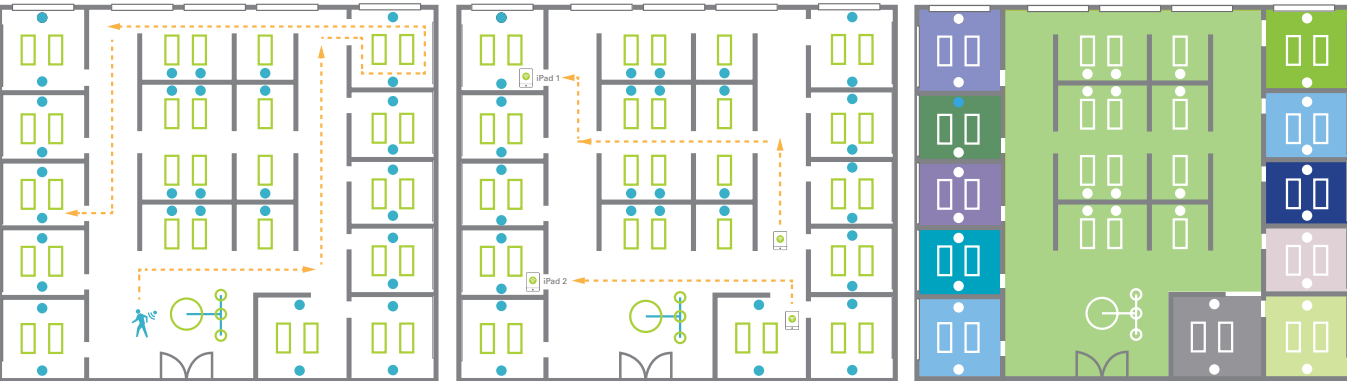
Where

Through the advancement of using devices that can be markers placed on people, places or things, the LumaWatt Pro system enables the end user to track the physical location of that object in real time. Owners of spaces can see how high valued objects are used and where they might be at any given time. This eliminates waste of time, losing high value objects, and time spent looking for these objects. The tracking of people, places, and things can now be observed in real time with the LWP system and the Where app.

Aire

The LumaWatt Pro system can save you energy by enabling demand-driven heating or cooling. LumaWatt Pro’s Aire integrates with your building management system (BMS) by using the data collected by LumaWatt Pro’s advanced distributed sensor network and occupancy application. Aire enables facility managers to direct cooling or heating in real-time to the space where occupants are working.

Visit the LumaWatt Pro pages on the CLS website for more information.



Analyze:
Motion...Usage...Trace

Track:
Assets...Places...Things

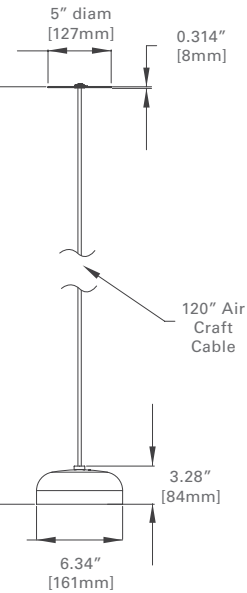
Manage:
Engage the data

Technical specifications

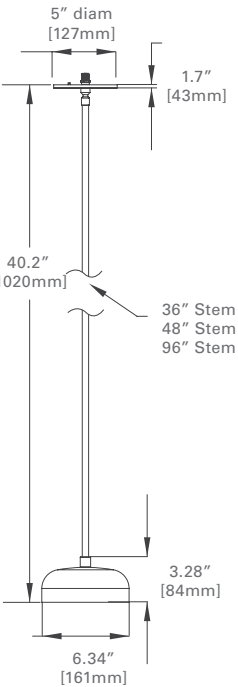
1400

Small decorative performance
LED Pendant

Color Power Cord



Rigid Stem



Series
1400

Family
Dome

CRI
80 - 80 CRI
90 - 90 CRI

Color Temperature (Lumens, CRI, wattage)
L27 - 720 lumens at 80CRI or 650 lumens at 90CRI at 2700K, 13W
L30 - 750 lumens at 80CRI or 670 lumens at 90CRI at 3000K, 13W
L35 - 780 lumens at 80CRI or 690 lumens at 90CRI at 3500K, 13W
L40 - 800 lumens at 80CRI or 710 lumens at 90CRI at 4000K, 13W

Voltage
120 - 120V

Shade Colors
SRR - Real Red
SOC - Orange Crush
SYE - Yello?
SAL - Avocado Lime
SSS - Seafoam See
STT - Totally Turquoise
SEB - Earth Blue
SBM - Black Metal
SWL - White Light
SCG - Charcoal Gray
SCS - Copper Spun
SBA - Brushed Aluminum
SCC - Custom Color

Trim Colors
TRR - Real Red
TOC - Orange Crush
TYE - Yello?
TAL - Avocado Lime
TSS - Seafoam See
TTT - Totally Turquoise
TEB - Earth Blue
TBM - Black Metal
TWL - White Light
TCG - Charcoal Gray
TCS - Copper Spun
TBA - Brushed Aluminum
TCC - Custom Color

Color Cord Options
CC-119 - Pearl
CC-001 - Black
CC-029 - Gunmetal Silver
CC-620 - Red
CC-810 - Orange
CC-710 - Yellow Gold
CC-320 - Lime Green
CC-401 - Cobalt Blue

CC-510 - Purple
CC-031 - Gray Tweed
CC-540 - Magenta
CC-002 - Black and White Zig Zag
CC-229 - Copper Penny
CC-003 - Black and White Houndstooth
CC-XXX - Custom Cord Color

Rigid Stem Options
RS-36-DOME - 36"Rigid Stem
RS-48-DOME - 48"Rigid Stem
RS-96-DOME - 96"Rigid Stem
RS-CL-DOME - Custom Length
WL - White Stem
BM - Black Stem
BA - Brushed Aluminum
CC - Custom Color

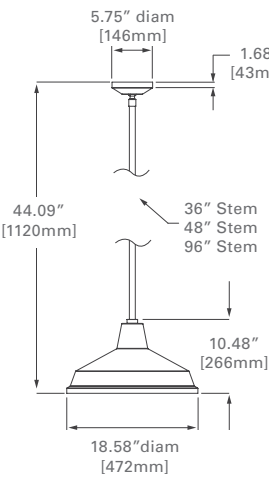
Technical specifications

1800

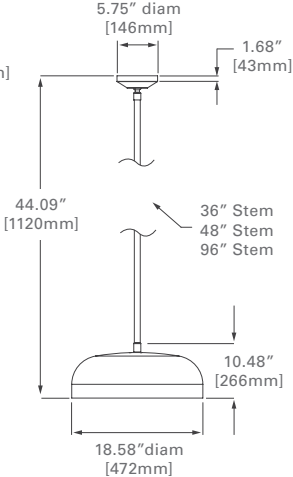
Large decorative performance
LED Pendant

Rigid Stem

RLM

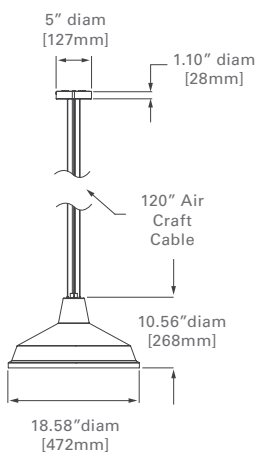


Dome

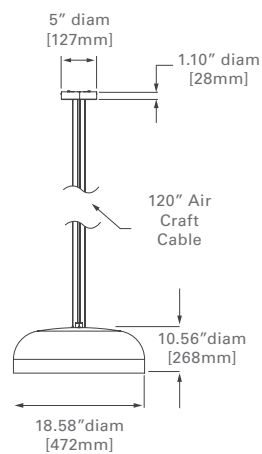


Air Craft Cable

RLM



Dome



Series
1800

Family
RLM
Dome

CRI
80 - 80 CRI
90 - 90 CRI

Color Temperature (Lumens, CRI, wattage)
L27 - 2700K
L30 - 3000K
L35 - 3500K
L40 - 4000K

Light Level (ex. @ 80 CRI/3500K)
1 - 4611 lumens, 42 watts
2 - 5638 lumens, 53 watts
3 - 6758 lumens, 71 watts
4 - 7676 lumens, 83 watts

Distribution
M - Medium
W - Wide

Voltage
UNV - Universal Voltage (120 - 277V)
347 - 347V

Driver
STD - 120 - 277V, 0-10V, 10% Dimming

Shade Paint Colors and Finishes		
SRR - Real Red	STT - Totally Turquoise	SCS - Copper Spun
SOC - Orange Crush	SEB - Earth Blue	SBA - Brushed Aluminum
SYE - Yello?	SBM - Black Metal	SCC - Custom Color
SAL - Avocado Lime	SWL - White Light	
SSS - Seafoam See	SCG - Charcoal Gray	

Trim Colors		
TRR - Real Red	TTT - Totally Turquoise	TCS - Copper Spun
TOC - Orange Crush	TEB - Earth Blue	TBA - Brushed Aluminum
TYE - Yello?	TBM - Black Metal	TCC - Custom Color
TAL - Avocado Lime	TWL - White Light	
TSS - Seafoam See	TCG - Charcoal Gray	

Air Craft Cable Options
AC-WL - Aircraft cable with white power cord (120" field cuttable)
AC-BM - Aircraft cable with black power cord (120" field cuttable)

Rigid Stem Options	
RS-36-DOME - 36"Rigid Stem	RS-96-RLM - 96"Rigid Stem
RS-48-DOME - 48"Rigid Stem	RS-CL-RLM - Custom Length
RS-96-DOME - 96"Rigid Stem	WL - White stem
RS-CL-DOME - Custom Length	BM - Black Stem
RS-36-RLM - 36"Rigid Stem	BA - Brushed Aluminum
RS-48-RLM - 48"Rigid Stem	CC - Custom Color

Controls Option
KIT-LWTPD1 - LumaWatt Pro wireless tile mount sensor kit (0-10V)

Lighting Product Lines

Ametrix
AtLite
Corelite
Ephesus
Fail-Safe
Halo
Halo Commercial
Invue
io
Iris
Lumark
Lumière
McGraw-Edison
Metalux
MWS
Neo-Ray
Portfolio
RSA
Shaper
Streetworks
Sure-Lites

Controls Product Lines

Fifth Light Technology
Greengate
iLight (International Only)
iLumin
Zero 88

Connected Lighting Systems

Distributed Low-Voltage Power
HALO Home
iLumin Plus
Enlighted
WaveLinx
Trellix

References

IESNA Handbook 10th Edition

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