

Shaper

DESCRIPTION

The Shaper 1800 is a series of large decorative pendants designed for use in architectural, hospitality, and commercial space, applications. The Shaper 1800 series uses performance optics providing high lumen outputs with low surface glare. Available in four light levels, four color temperatures, 80 or 90+ CRI, and two optic distributions. Ten standard RAL paint finishes are available and can be selected for the shade or trim, as well as two metal finishes. Mounting options include field cuttable air craft cable with power cords, or rigid stem options. The Shaper 1800 decorative pendant is a fun comprehensive solution where aesthetics and performance are well balanced.

Catalog #	Type
Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

Construction

The decorative shroud and trim, covers electronic components and driver. Aluminum shroud is made of 0.63" thick aluminum grade 1100-0. The copper shade and trim is made of a C11000 060 copper alloy. The stem and canopy are 6061 grade aluminum.

Weights:

1800 Air Craft Cable Pendant (total pendant weight)		
	RLM	DOME
Pendant + 120" of AC cable + canopy =	27 lbs	26 lbs
1800 Rigid Stem Pendant (total pendant weight)		
Brushed Aluminum and Painted Finish	RLM	DOME
Pendant + 36" rigid stem + canopy =	25 lbs	24 lbs
Pendant + 48" rigid stem + canopy =	25 lbs	25 lbs
Pendant + 96" rigid stem + canopy =	28 lbs	27 lbs
Copper Spun Finish	RLM	DOME
Pendant + 36" rigid stem + canopy =	29 lbs	28 lbs
Pendant + 48" rigid stem + canopy =	30 lbs	28 lbs
Pendant + 96" rigid stem + canopy =	32 lbs	31 lbs

Electrical

Standard 0-10V driver is located in fixture head (120-277V / 50-60Hz or 347V options available), and is suitable for ambient temperature of 25°C (77°F).

LED Optics

Wavestream™ technology enables patented AccuAim™ optics for an enhanced distribution pattern. Available in 2700K, 3000K, 3500K, and 4000K color temperatures 80 or 90+ CRI. Lumen outputs range from 4500 to over 8000 lumens dependent on color temperature.

Mounting

Mounting options include air craft cable or set rigid stem lengths. Air craft cable is 120" and field cuttable to desired lengths. Rigid pendant stem standard lengths are 36", 48", 96". The canopy mounting plate and cover, mounts to a standard 4-gang junction box. The rigid stem has a 40° swivel.

Finish

Ten mix and match paint colors are available to choose from for the shade and the trim. They are standard RAL colors in a high gloss sheen. In addition, two metal finishes are also available in natural brushed aluminum or brushed copper, which are spun metal and have a protective clear coat.

Compliance

Components are UL recognized and luminaires are cULus listed for 25°C ambient environments. Dry Location Listed.

Environment

Suited for 25° ambient. Dry location only.

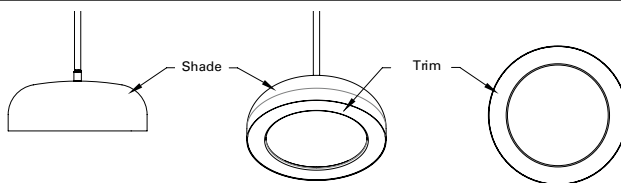
Driver

Standard offering is 0-10V with 10% dimming.

Life and Warranty

Standard five-year limited warranty on all parts.

Pendant Shade and Trim



1800

LED

Pendant
Direct

CERTIFICATION DATA

UL/cUL Damp Location Listed
LM79 / LM80 Compliant

ENERGY DATA

>0.9 Power Factor
<20% Total Harmonic Distortion
120V - 277V 50/60 Hz
25°C Ambient Temperature



For Adjustable Air Craft Cable Unit = Sample Catalog #: 1800-RLM-80-L40-3-M-UNV-STD-STT-TYE-AC-BM (two tone paint - shade and trim example)

For Rigid Stem Complete Unit = Sample Catalog #: 1800-DOME-90-L30-5-W-UNV-STD-SCG-TCG-RS-96-RLM-SL (uniform - shade and trim example)

ORDERING INFORMATION:

Series	Type (Shape)	CRI	ColorTemp	Light Level¹ (ex. @80 CRI 3500K)	Distribution	Voltage²	Driver	Shade Paint Colors and Finishes	Trim Paint Colors and Finishes
1800	RLM DOME	80 = 80 CRI 90 = 90 CRI	L27 = 2700K L30 = 3000K L35 = 3500K L40 = 4000K	1 = 4611 lumens, 42 watts 2 = 5638 lumens, 53 watts 3 = 6758 lumens, 71 watts 4 = 7676 lumens, 83 watts	M = Medium W = Wide	UNV = Universal Voltage (120 - 277V) 347 = 347V	STD = 120-277V 0-10V 10% Dimming	SRR = Real Red SOC = Orange Crush SYE = Yellow SAL = Avocado Lime SSS = Seafoam See STT = Totally Turquoise SEB = Eaton Blue SBM = Black Metal SWL = White Light SCG = Charcoal Gray SCS = Copper Spun SBA = Brushed Aluminum SCC = Custom Color	TRR = Real Red TOC = Orange Crush TYE = Yellow TAL = Avocado Lime TSS = Seafoam See TTT = Totally Turquoise TEB = Eaton Blue TBM = Black Metal TWL = White Light TCG = Charcoal Gray TCS = Copper Spun TBA = Brushed Aluminum TCC = Custom Color

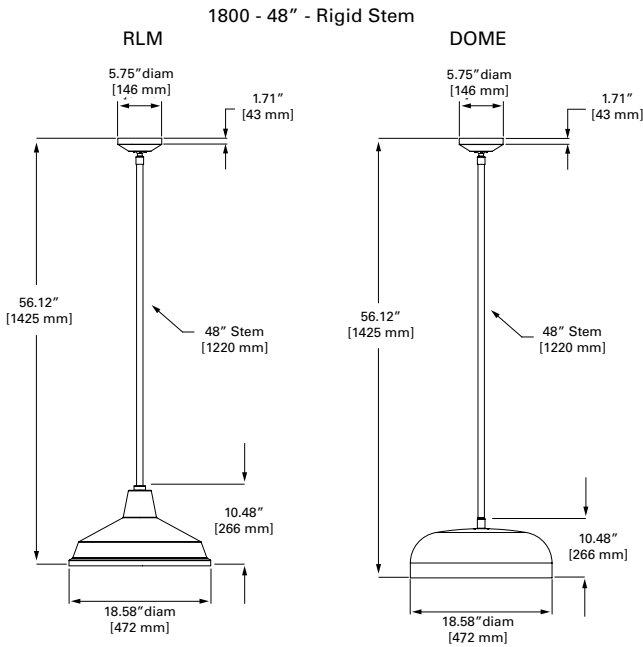
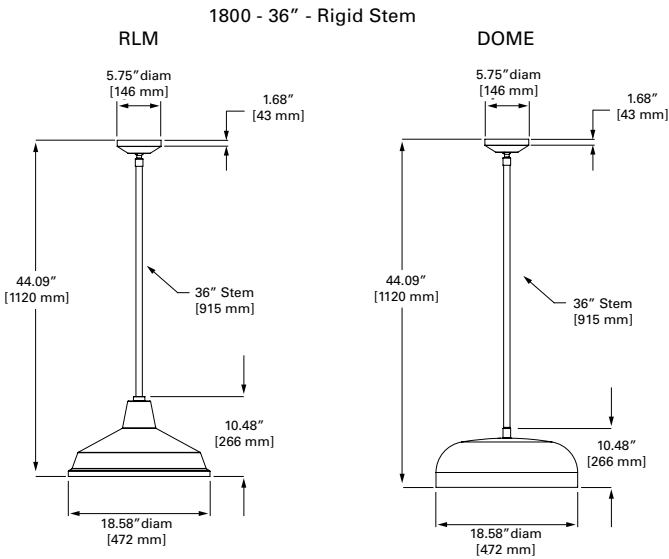
Mounting Options			Controls ² (Optional)
Air Craft Cable Options	Rigid Stem Options ⁴		
AC-WL = Aircraft cable with white power cord (120" field cuttable)	RS-36-DOME = 36" Rigid Stem RS-48-DOME = 48" Rigid Stem RS-96-DOME = 96" Rigid Stem RS-CL-DOME = Custom Length	WL = White stem BM = Black Stem SL = Silver Stem CC = Custom Color	KIT-LWTPD1 = LumaWatt Pro wireless tile mount sensor kit (0-10V)
AC-BM = Aircraft cable with black power cord (120" field cuttable)	RS-36-RLM = 36" Rigid Stem RS-48-RLM = 48" Rigid Stem RS-96-RLM = 96" Rigid Stem RS-CL-RLM = Custom Length		

Notes (3) Only product configurations with this designated prefix are built to be compliant with the Trade Agreements Act of 1979 (TAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. (4). Not available for installations in locations such as gymnasiums, arenas, sports complexes, multipurpose rooms, and any other locations where the fixture potentially will be subject to impacts from external sources. Please consult factory for those applications.

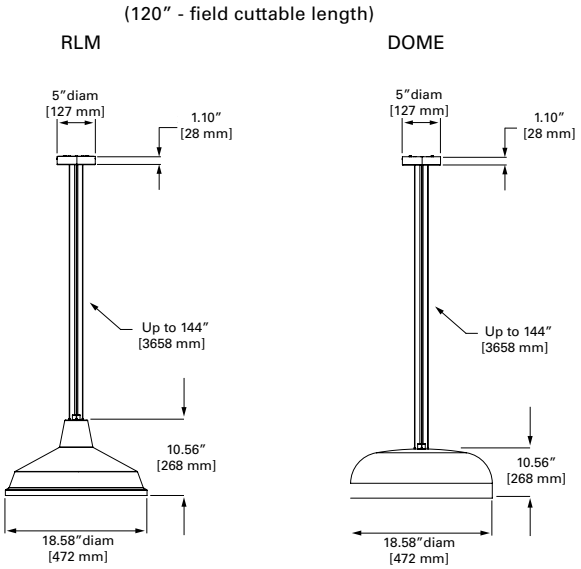
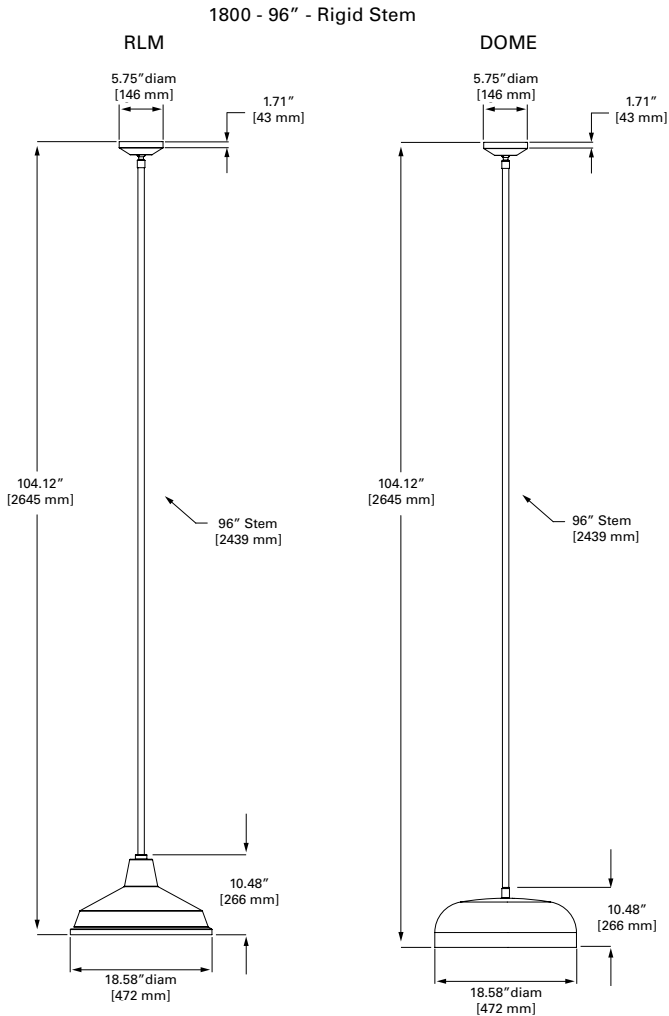
See page 2 for Technical Notes.

MOUNTING OPTIONS

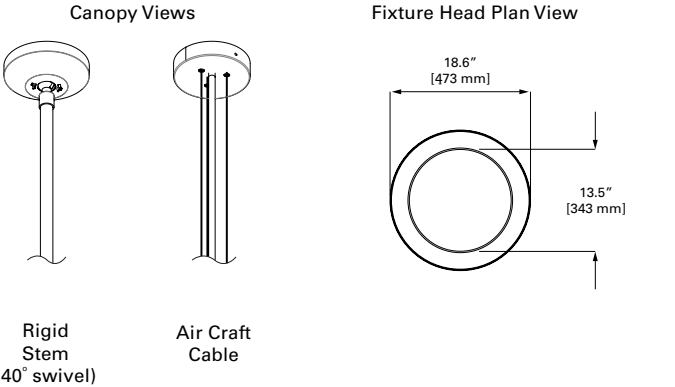
RIGID STEM



AIR CRAFT CABLE



VIEWS



FINISHES PAINTED AND METALS

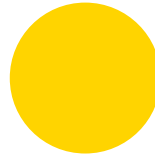
Painted finish is "High Gloss" sheen. A clear coat protectant is applied over the Copper Spun and Brushed Aluminum metal finishes. See ample case for exact colors and finishes.



RR
Real Red
RAL # 3020
Pantone 485
(Traffic Red)



OC
Orange Crush
RAL#: 2004
Pantone 1655
(Pure Orange)



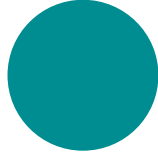
YE
Yello?
RAL#: 1018
Pantone 123
(Zinc Yellow)



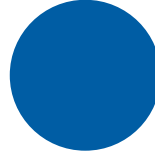
AL
Avocado Lime
RAL#: FGS860016
Pantone 15-0343
(GREENERY)



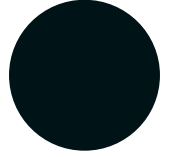
SS
Seafoam See
RAL#: 6027
Pantone 631
(Light Green)



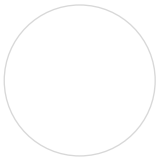
TT
Total Turquoise
RAL#: 5018
Pantone 3145
(Turquoise Blue)



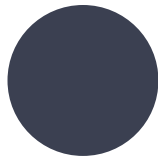
EB
Eaton Blue
RAL#: 5017
Pantone 2945
(Traffic Blue)



BM
Black Metal
RAL#: 9005
Pantone Black
(Jet Black)



WL
White Light
RAL#: 9003
Pantone 705
(Signal White)



CG
Charcoal Gray
RAL#: 7024
Pantone 432
(Graphite Grey)



CS
Copper Spun
(Authentic Copper
Metal with clear coat)

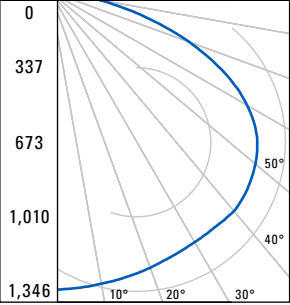
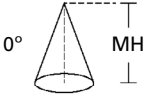


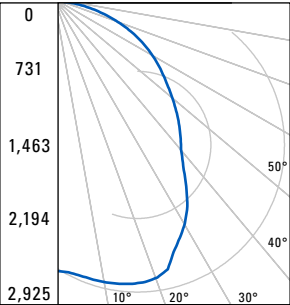
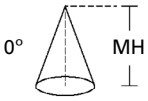
BA
Brushed Aluminum
(with clear coat)

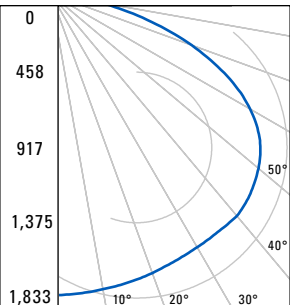
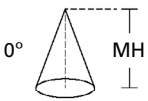
PHOTOMETRY

SHAPER 1800 LIGHT LEVEL 2 MEDIUM DISTRIBUTION, 3500K/80CRI			ZONAL LUMENS SUMMARY			LUMINANCE DATA				0° AIMING ANGLE HORIZONTAL ILLUMINANCE ON FLOOR			
Filename	1800-X-80-L35-2-M-UNV-STD-X-X.ies		Zone	Lumens	% Fixture	Angle	0°	45°	90°				
Test No.	P241228		0-30	1706	30.3	45	17946	17206	17887	MH	FC	L	W
Lumcat	1800-X-80-L35-2-M-UNV-STD-X-X		0-40	2700	47.9	55	16745	15394	16709	8'	31.2	10.4	10.6
Lumens	5638 Lm		0-60	4529	80.3	65	16104	14402	16053	12'	13.9	15.8	15.8
Watts	53.9 W		0-90	5638	100	75	13916	12593	13970	15'	8.9	19.8	19.8
LPW	104.6 Lm/W		90-180	0	0	85	10571	9208	10571	16'	7.8	21	21.2
CCT	3500K		0-180	5638	100					18'	6.2	23.8	23.8
SC (0/90/45)	1.34 / 1.34 / 1.33									20'	5	26.4	26.4
Beam Angle	102.4°												
CBCP	1967 cd												

PHOTOMETRY

SHAPER 1800 LIGHT LEVEL 2 WIDE DISTRIBUTION, 3500K/80CRI			ZONAL LUMENS SUMMARY			LUMINANCE DATA				0° AIMING ANGLE HORIZONTAL ILLUMINANCE ON FLOOR			
Filename	1800-X-80-L35-2-W-UNV-STD-X-X.ies		Zone	Lumens	% Fixture	Angle	0°	45°	90°				
Test No.	P241165		0-30	1112	21.5	45	17971	17347	18193	MH	FC	L	W
Lumcat	1800-X-80-L35-2-W-UNV-STD-X-X		0-40	1920	37.1	55	20042	18534	20234	8'	21	11.8	11.8
Lumens	5176 Lm		0-60	3860	74.6	65	20764	18010	20690	12'	9.3	17.6	17.6
Watts	53.9 W		0-90	5176	100	75	17316	14888	16892	15'	6	22.2	22
LPW	96 Lm/W		90-180	0	0	85	7036	5776	6678	16'	5.3	23.6	23.6
CCT	3500K		0-180	5176	100					18'	4.2	26.6	26.6
SC (0/90/45)	1.48 / 1.48 / 1.61									20'	3.4	29.6	29.4
Beam Angle	139.8°												
CBCP	1346 cd												

SHAPER 1800 LIGHT LEVEL 4 MEDIUM DISTRIBUTION, 3500K/80CRI			ZONAL LUMENS SUMMARY			LUMINANCE DATA				0° AIMING ANGLE HORIZONTAL ILLUMINANCE ON FLOOR			
Filename	1800-X-80-L35-4-M-UNV-STD-X-X.ies		Zone	Lumens	% Fixture	Angle	0°	45°	90°				
Test No.	P241244		0-30	2323	30.3	45	24435	23427	24354	MH	FC	L	W
Lumcat	1800-X-80-L35-4-M-UNV-STD-X-X		0-40	3676	47.9	55	22800	20960	22749	8'	42.5	10.4	10.6
Lumens	7676 Lm		0-60	6167	80.3	65	21926	19611	21860	12'	18.9	15.8	15.8
Watts	82.9 W		0-90	7676	100	75	18946	17149	19020	15'	12.1	19.8	19.8
LPW	92.6 Lm/W		90-180	0	0	85	14395	12535	14395	16'	10.6	21	21.2
CCT	3500K		0-180	7676	100					18'	8.4	23.8	23.8
SC (0/90/45)	1.34 / 1.34 / 1.33									20'	6.8	26.4	26.4
Beam Angle	102.4°												
CBCP	2678 cd												

SHAPER 1800 LIGHT LEVEL 4 WIDE DISTRIBUTION, 3500K/80CRI			ZONAL LUMENS SUMMARY			LUMINANCE DATA				0° AIMING ANGLE HORIZONTAL ILLUMINANCE ON FLOOR			
Filename	1800-X-80-L35-4-W-UNV-STD-X-X.ies		Zone	Lumens	% Fixture	Angle	0°	45°	90°				
Test No.	P241181		0-30	1514	21.5	45	24468	23621	24771	MH	FC	L	W
Lumcat	1800-X-80-L35-4-W-UNV-STD-X-X		0-40	2615	37.1	55	27291	25237	27550	8'	28.6	11.8	11.8
Lumens	7048 Lm		0-60	5255	74.6	65	28273	24523	28171	12'	12.7	17.6	17.6
Watts	82.9 W		0-90	7048	100	75	23580	20269	23000	15'	8.1	22.2	22
LPW	85 Lm/W		90-180	0	0	85	9577	7868	9092	16'	7.2	23.6	23.6
CCT	3500K		0-180	7048	100					18'	5.7	26.6	26.6
SC (0/90/45)	1.48 / 1.48 / 1.61									20'	4.6	29.6	29.4
Beam Angle	139.8°												
CBCP	1833 cd												

TECHNICAL NOTES:

1. Refer to specific Photometric files on the website for all available IES file options.
2. 347V not available with LumaWatt Pro sensor option.