

job name:

type:

kupola™ spec sheet 90CRI

material

housing
spun .064" aluminum housing available in two-tone powder coat paint finishes listed below.

diffuser
.125" Satinice WD855 light scattering, glare reduction acrylic. Colorless diffusion reduces CCT shift. 72% high light transmission. snaps in place with hidden hardware.

LED
custom LED board in 3000K, 3500K, or 4000K (90+ cri standard).i. LEDs are rated >50,000 hours L70 (10K) at 85°C per LM-80 test data, and 70,000 hours projected life per IES TM-21. power cord color options listed below.

driver
in canopy, constant current, class P, class 2 power unit, class A sound rating, universal input (120-277V) programmable driver, 1% minimum dimming level, PF >0.90. protections include short circuit, input/output isolation and surge protection (3KV). wired for 0-10v dimming.

mounting
spun aluminum canopy painted to match fixture. multiple options listed below.
cloth cord requires special stripping tool (link).

finish

outer
select from standard powder coat paint finishes or specify RAL# for custom colors.

inner
select from brass, matte white, or satin black powder coat paint.

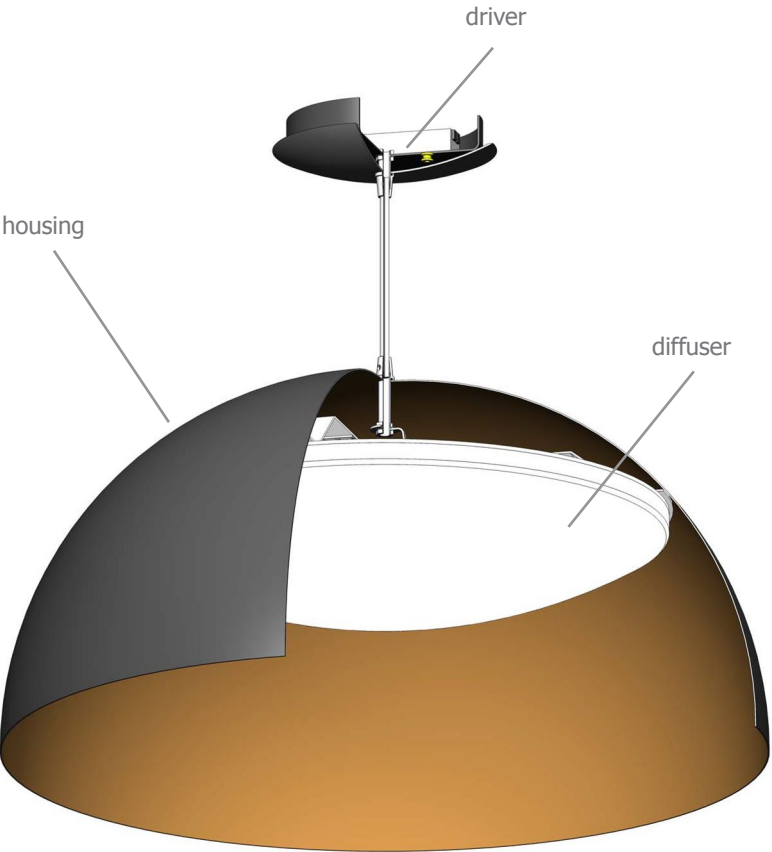
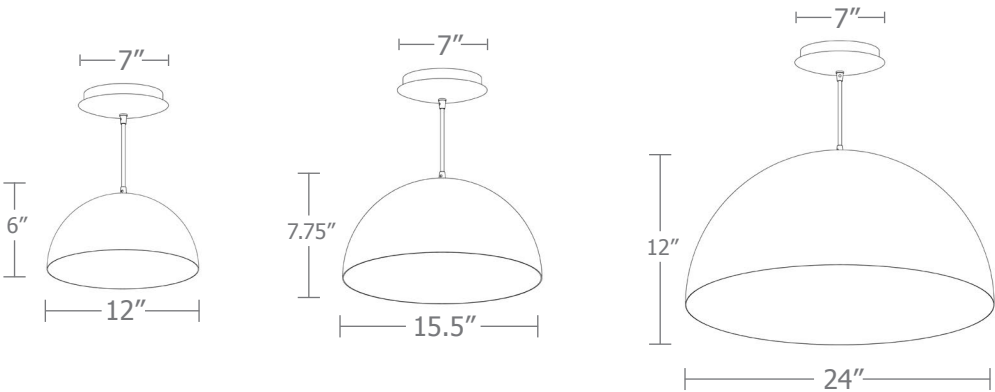
emergency
if required, recommend use of inverter (by other).



catalog number

size	CCT	lumens	outer finish	inner finish	power cord	options
P1612 12"dia X 6"ht	30 3000K 35 3500K 40 4000K	LO 1050 lm HI 2100 lm	AP anodized paint BS brass BU blue BZ bronze CP champagne FB flat black GM gun metal MB military blue MW matte white OR orange RD red SB satin black SS satin silver TG textured gray YO yellow	BS brass MW matte white SB satin black *consult factory for other options	BUPC blue cloth cord ORPC orange cloth cord PLPC purple cloth cord RDPC red cloth cord WGPC white & gray dot cloth cord WHPC white power cord and canopy BKPC black power cord and canopy	3FT 36" cord 6FT 72" cord 12FT 144" cord
P1616 15.5"dia X 7.75"ht	30 3000K 35 3500K 40 4000K	LO 1590 lm HI 3175 lm				
P1624 24"dia X 12"ht	30 3000K 35 3500K 40 4000K	LO 2125 lm HI 4450 lm				
premium finish RAL specify RAL#						





Calculation Table

The application of a Light Loss Factor is required to:

- match the lumen output for the power module specified
- incorporate the increased lumen output due to LED/Driver upgrades

Cat No	Delivered* Lumens	Watts 120V / 277V	IES File	LLF to be applied
P1612 LO	1050	12	L092311801	.33
P1612 HI	2100	23	L092311801	.66
P1616 LO	1590	17	L092311801	.50
P1616 HI	3175	35	L092311801	1.00
P1624 LO	2125	22	L092311803	.48
P1624 HI	4450	46	L092311803	1.00

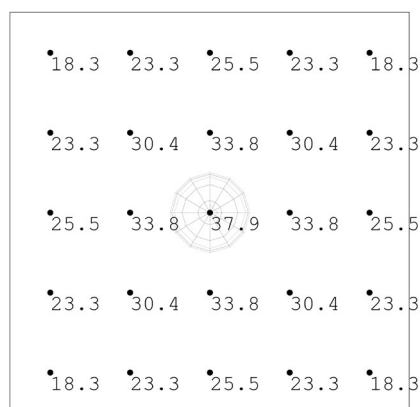
* delivered lumens based on 4000K, 90+ cri, matte white inner finish.
for brass inner finish use .75 multiplier.
for satin black inner finish use .72 multiplier.

Typical Lighting Layout

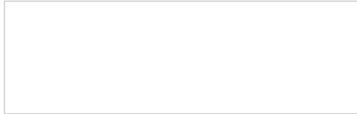
Schedule					
Quantity	Manufacturer	Catalog Number	Description	Lamp	Wattage
1	Impact Architectural Lighting	P1624 40HI	24" dia. pendant kupola	4000k 90cri LED	46

- 10' x 10' x 12'H space
- 80/50/20 reflectances
- fixture at 10' aff
- FC readings at 2.5' aff
- layout conducted using P1624 HI lumen 90 CRI package providing 4450 delivered lumens

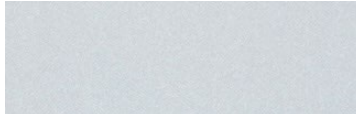
Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
kupola	+	26.25fc	37.9 fc	18.3 fc	2.1	1.4:1



Powder Coat Paint Finishes



MW matte white



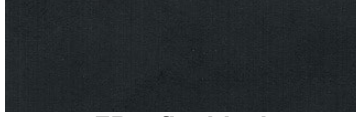
AP anodized paint



SS satin silver



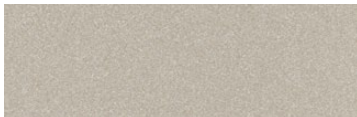
TG textured gray



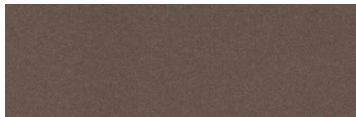
FB flat black



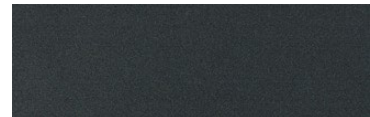
SB satin black



CP champagne



BZ bronze



GM gun metal



OR orange 2011



BU blue 5017



BS brass



RD red 3020



YO yellow 1018



MB military blue

For accurate color verification, actual finish samples are available upon request.

Premium Finishes*



RAL#

*Available on select series. Consult product submittal for availability.

