

job name:
 type:

18" mel.o iii™ spec sheet 90CRI

driver housing / power head

extruded aluminum with silver anodized or black anodized finish, acts as heat sink as well. also available in painted finishes listed below.

diffuser

parabolic Satinice optimum light diffusion acrylic with .125" matte white acrylic convex diffuser and .187" pattern 12 prismatic clear acrylic concave dome.

bottom lens (optional)

P95 frosted acrylic bottom lens solvent welded to bottom of parabolic diffuser.

LED module

COB array in 2700K, 3000K, 3500K, or 4000K. (call factory for 5000K) (90+ cri standard). under normal operating conditions, the LEDs employed are rated for >50,000hrs L70 (6.8K) per IES TM-21 from LM-80 test data.

driver

integral, programmable, UL class P, class 2, universal input (120-277v), constant current, 0-10v dimming, 1% minimum dimming level, PF >.9, THD <20%, protections include open and short circuit, overload and over temperature.

mounting

5" dia. spun steel canopy in satin white with single or dual stainless steel cables and field adjustable grippers that allow for exact AFF mounting heights.

premium mountings

colored cloth cord (optional)

extruded aluminum canopy painted to match fixture. ultrathin vertical stainless steel cable and field adjustable gripper that allow for exact AFF mounting heights. cloth-covered power cord color options listed below. cord requires special stripping tool (link).

power over cable (optional)

extruded aluminum canopy painted to match fixture. Class 2 LED powered suspension system that suspends and powers the fixture with thin stainless steel copper-core conductive cables, providing a clean look without the need for a separate power cord. powered suspension requires cable cutter (link) specifically designed to cut stainless steel aircraft cable from 1/32" to 1/8".

emergency

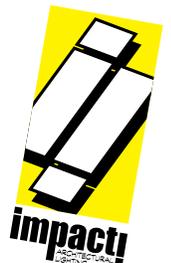
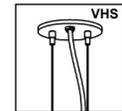
recommend use of inverter (by other). optional WREM: wired for remote EM battery (by other). if using WHPC, SBPC or BKPC cords, 2nd power cord required.



catalog number

| | | | | | | |
|--|--|--|--|--|--|--|
| | | | | | | |
|--|--|--|--|--|--|--|

| size | concave dome | CCT | lumens | anodized finishes | power cord | options |
|----------------------------------|--------------------|--|---|---|---|---|
| P8718 18" dia X 17" ht | P prismatic | 27 2700K 30 3000K 35 3500K 40 4000K | FX 1535 lm LO 2165 lm HI 2980 lm HX 3790 lm CL * xxxx lm <small>* custom lumens consult factory</small> | AN silver anodized ANB anodized black painting finish BS brass BU blue BZ bronze CP champagne GM gun metal MB military blue MW matte white OR orange RD red SS satin silver TG textured gray YO yellow premium finish RAL specify RAL# | WHPC white power cord and canopy BKPC black power cord and canopy SBPC silver braid power cord and white canopy premium (driver canopy required) (not available w/ 12ft option) BUPC blue cloth cord ORPC orange cloth cord PLPC purple cloth cord RDPC red cloth cord WGPC white & gray dot cloth cord POC power over cable | 3FT 36" cable 6FT 72" cable 12FT 144" cable* <small>*not available with premium power cords</small> BL frosted acrylic bottom lens VHS 2-point vertical hanging system WREM wired for remote EM battery pack (by other) (see note above) ELD EldoLED** LUT Lutron** <small>**consult factory</small> |



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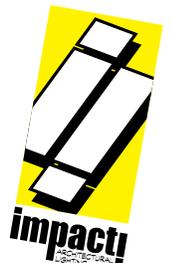
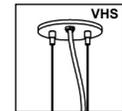
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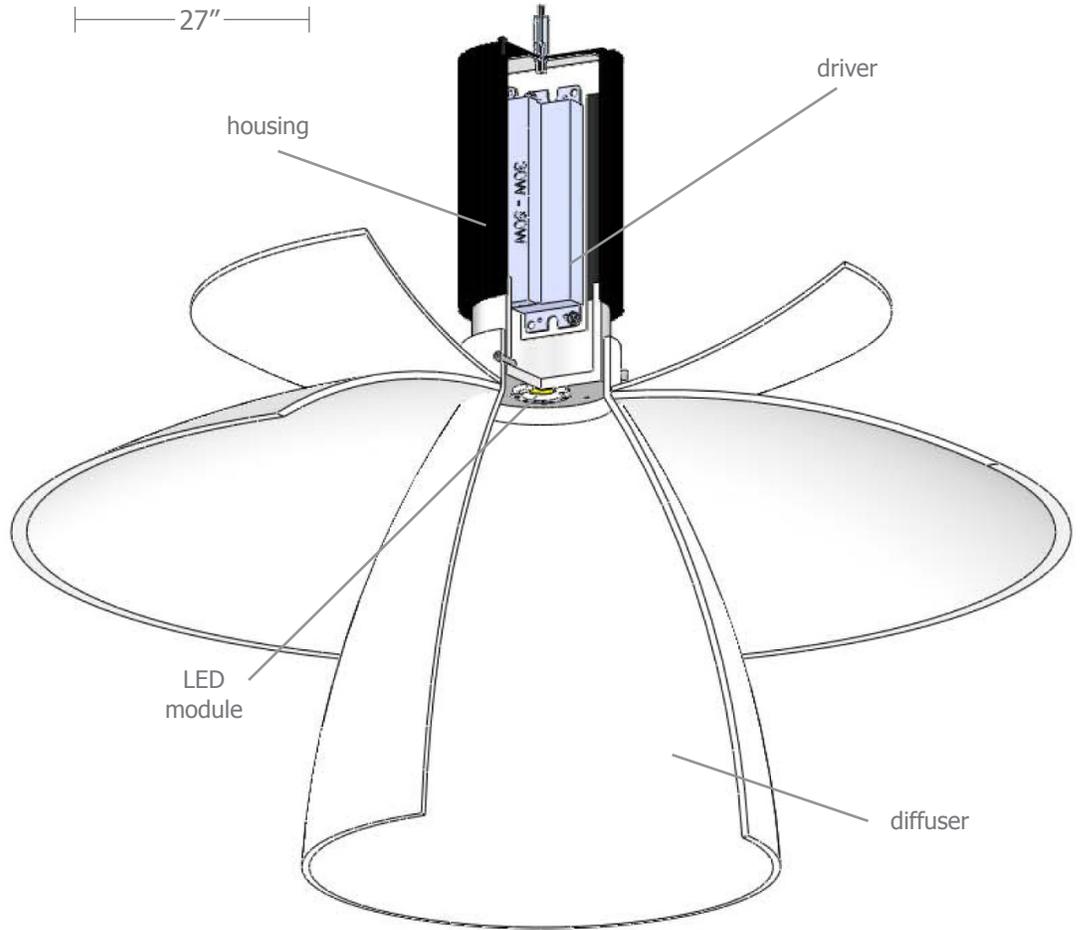
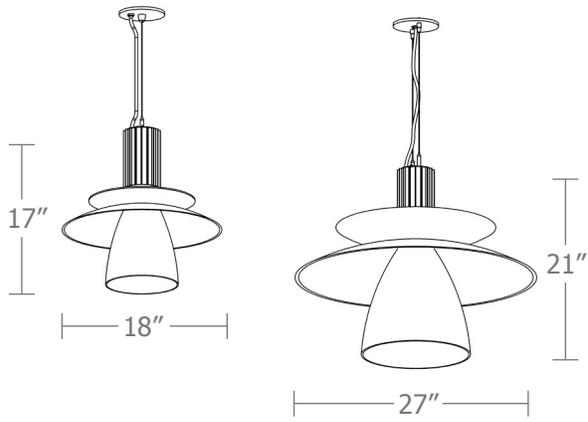
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|--------------------------------|--------------------|--|---|---|---|---|
| P8727 27"dia X 21"ht | P prismatic | 27 2700K 30 3000K 35 3500K 40 4000K | FX 1535 lm LO 2165 lm HI 2980 lm HX 3790 lm CL * xxxx lm <small>* custom lumens consult factory</small> | AN silver anodized ANB anodized black painting finish BS brass BU blue BZ bronze CP champagne GM gun metal MB military blue MW matte white OR orange RD red SS satin silver TG textured gray YO yellow | WHPC white power cord and canopy BKPC black power cord and canopy SBPC silver braid power cord and white canopy premium (driver canopy required) (not available w/ 12ft option) BUPC blue cloth cord ORPC orange cloth cord PLPC purple cloth cord RDPC red cloth cord WGPC white & gray dot cloth cord POC power over cable | 3FT 36" cable 6FT 72" cable 12FT 144" cable* <small>*not available with premium power cords</small> BL frosted acrylic bottom lens VHS 2-point vertical hanging system WREM wired for remote EM battery pack (by other) (see note above) ELD EldoLED** LUT Lutron** <small>**consult factory</small> |

premium finish

RAL specify RAL#





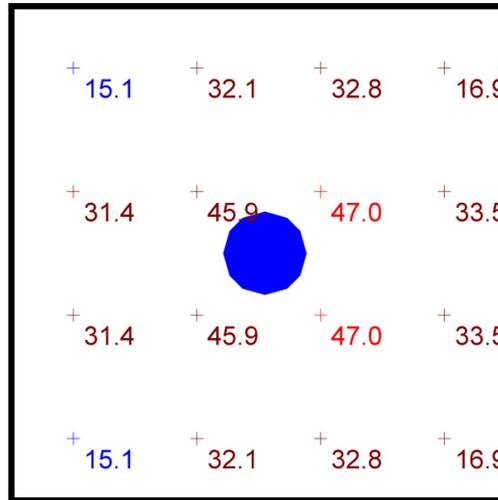
Typical Lighting Layout

| Schedule | | | | | | |
|---|-----|-------------------------------|----------------|---|-----------------|---------|
| Symbol | QTY | Manufacturer | Catalog Number | Description | Lamp | Wattage |
|  | 1 | Impact Architectural Lighting | P8727 40 HX | 12" dia. pendant mel.o.iii luminaire w/ open bottom | 4000k 90cri LED | 38 |

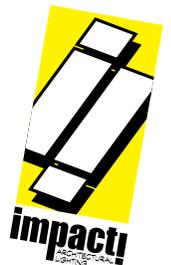
- 8' x 8' x 12'H space
- 80/50/20 reflectances
- bottom of fixture at 10' aff
- FC readings at 2.5' aff
- layout conducted using P8727 unit with HX lumen 90 CRI package providing 3790 delivered lumens

Statistics

| Description | Symbol | Avg | Max | Min | Max/Min | Avg/Min |
|-------------|--------|---------|---------|---------|---------|---------|
| mel.o.iii | + | 31.8 fc | 47.0 fc | 15.1 fc | 3.1:1 | 2.1:1 |



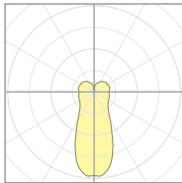
Plan View
Scale - 1" = 2ft



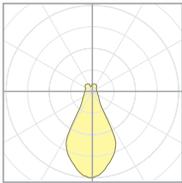
Calculation Table

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



17550
P3508-40LO-BL

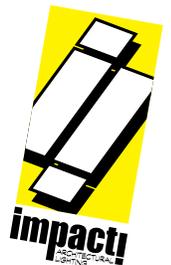


17555
P3512-40HI

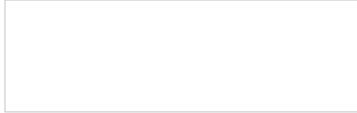
| Cat No | Delivered Lumens* | Watts 120V / 277V | IES File # | | LLF to be applied |
|-----------------|-------------------|-------------------|--------------|----------|-------------------|
| P8718 FX | 1535 | 14 | 17549 | open | .74 |
| | | | 17550 | lensed** | .68 |
| P8718 LO | 2165 | 20 | 17549 | open | 1.05 |
| | | | 17550 | lensed** | .96 |
| P8718 HI | 2980 | 29 | 19342 | open | .89 |
| | | | 19343 | lensed** | .80 |
| P8718 HX | 3790 | 38 | 19342 | open | 1.14 |
| | | | 19343 | lensed** | 1.02 |
| P8727 FX | 1535 | 14 | 19352 | open | .81 |
| | | | 19341 | lensed** | .41 |
| P8727 LO | 2165 | 20 | 19352 | open | 1.15 |
| | | | 19341 | lensed** | .58 |
| P8727 HI | 2980 | 29 | 17555 | open | .93 |
| | | | 19341 | lensed** | .79 |
| P8727 HX | 3790 | 38 | 17555 | open | 1.19 |
| | | | 19341 | lensed** | 1.01 |

*delivered lumens based on 4000K, 90+ cri

**includes optional bottom lens



Powder Coat Paint Finishes



MW matte white



SS satin silver



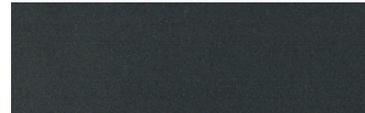
TG textured gray



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.

