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 difussion acrylic with .125" P95 white acrylic convex diffuser and .187" P95
clear acrylic (light, matte finish) 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.

optional VHS
hanging system

catalog number

P8718					

size	CCT	lumens	anodized finishes	power cord	options
P8718 18"dia X 17"ht See p.2 for info on P8727	**27** 2700K **30** 3000K **35** 3500K **40** 4000K	**FX** 1535 lm **LO** 2165 lm **HI** 2980 lm **HX** 3790 lm **CL** * xxxx lm *custom lumens consult factory	**AN** silver anodized **ANB** anodized black **painted 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* *not available with premium power cords **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** **consult factory

VHS

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specifications
subject
to change

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rev. 05/12/2025

job name:

type:

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 difussion acrylic with .125" P95 white acrylic convex diffuser and .187" P95 clear acrylic (light, matte finish) 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).
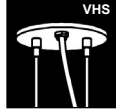### power over cable (optional)
extruded aluminum canopy painted to match fixture. Class 2 LED powered suspension system that suspends and powers the fixture with thin stainless steel copper-core conductive cables, providing a clean look without the need for a separate power cord. powered suspension requires cable cutter (link) specifically designed to cut stainless steel aircraft cable from 1/32" to 1/8".
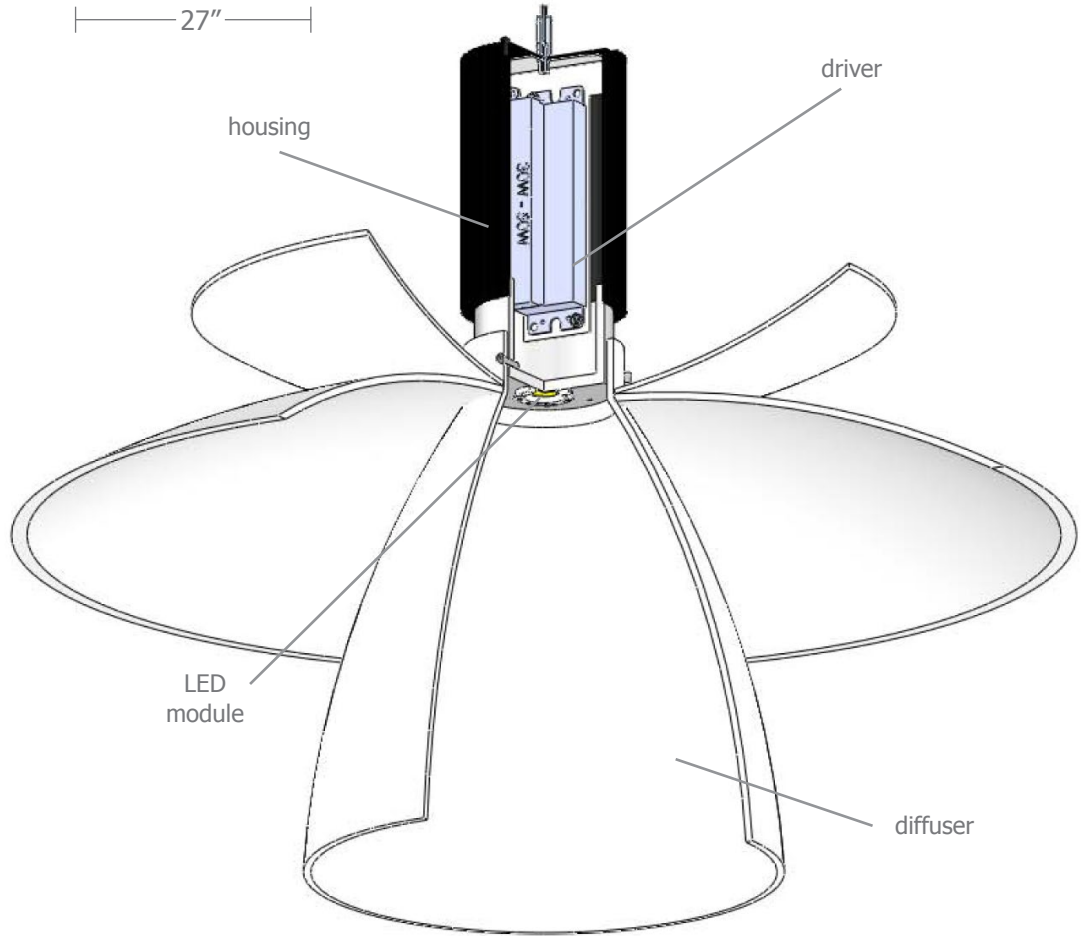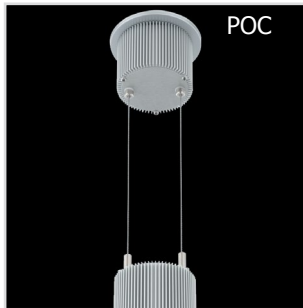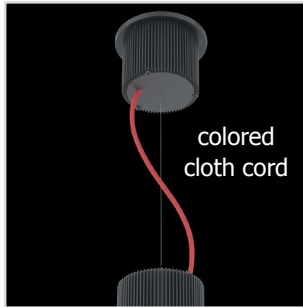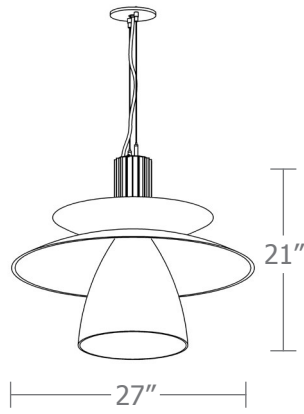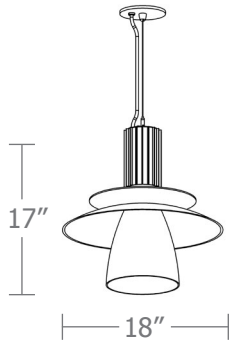
emergency
recommend use of inverter (by other). optional WREM: wired for remote EM battery (by other). if using WHPC, SBPC or BKPC cords, 2nd power cord required.

catalog number

| P8727 | | | | | |

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

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Intertek
DRY / DAMP

made in the USA!

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17"

18"

21"

27"

driver

housing

colored cloth cord

POC

LED module

diffuser

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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

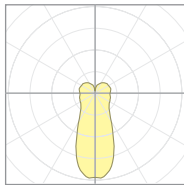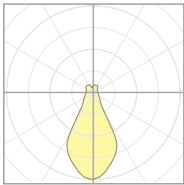| Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
mel.o.iii	+	31.8 fc	47.0 fc	15.1 fc	3.1:1	2.1:1
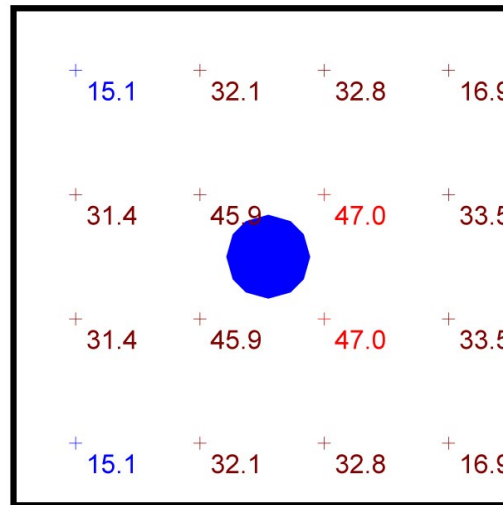
Plan View
Scale - 1" = 2ft

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

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Powder Coat Paint Finishes

MW matte white	**AP anodized paint** **AN silver anodized**	**SS satin silver**
TG textured gray	**FB flat black**	**SB satin black** **ANB anodized 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**
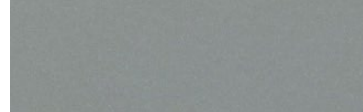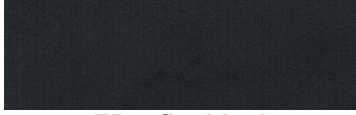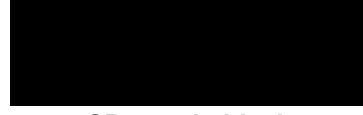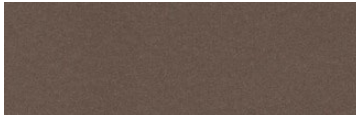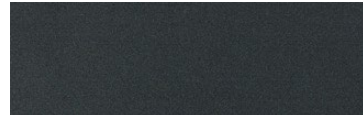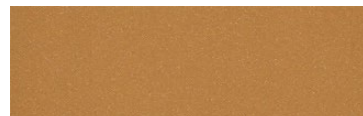
For accurate color verification, actual finish samples are available upon request.

Premium Finishes*

RAL#

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

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