

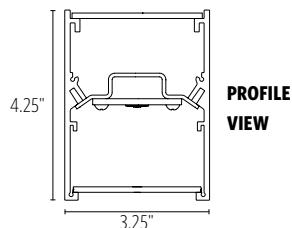


# Solo<sup>TM</sup>

## PENDANT/CEILING

### FEATURES

- SINGLE DIRECTION ILLUMINATION WITH FULLY ENCLOSED TOP SURFACE
- AVAILABLE IN 80+ CRI AND 90+ CRI (R9>50)
- FIXTURES CAN BE CLUSTERED TOGETHER TO CREATE LARGE SCALE INSTALLATIONS
- CUSTOMIZABLE SIZES AND SHAPES
- THICK WALL ALUMINUM EXTRUSION WITH MINIMAL FIXTURE CROSS SECTION SIZE
- INTEGRAL DRIVERS


**Declare.**


### CATALOG CODES

SL1	B	C	MW	E	/	UNV	H	J	I
SERIES	HANGING SYSTEM	SIZE	DIFFUSER	FINISH	LIGHT SOURCE	VOLTAGE	OAH	CONTROL	OPTIONS

### SPECIFY CATALOG CODE

A	B	C	D	E		
SERIES	HANGING SYSTEM	SIZE	DIFFUSER	FINISH*		
 <b>SL1</b> SOLO	<b>P1EM</b>	PENDANT WITH VERTICAL AIRCRAFT CABLES TO SEPARATE MOUNTING POINTS AND POWER CORD TO CANOPY	<b>24</b> <b>36</b> <b>48</b>	<b>MW</b> MATTE WHITE	<b>POWDER COAT FINISHES</b> <b>BKP</b> BLACK <b>BMP</b> BRASS METALLIC <b>BNP</b> BRONZE <b>BTP</b> BLACK TEXTURED <b>GRP</b> GRAPHITE <b>GLP</b> GOLDTASTIC	<b>MWP</b> MATTE WHITE <b>SGP</b> STEEL GRAY <b>SMP</b> SILVER METALLIC <b>SWP</b> SKY WHITE <b>WTP</b> WHITE TEXTURED
	<b>P1EE</b>	PENDANT WITH ANGLED AIRCRAFT CABLES AND POWER CORD TO COLLECTOR THEN SINGLE CENTER STEM TO CANOPY (NOTE: P1EE ONLY AVAILABLE ON 72" SIZE AND SMALLER)	<b>60</b> <b>72</b> <b>96</b> <b>120</b>			<b>PREMIUM METAL FINISHES</b> <b>BAL</b> BRUSHED ALUMINUM
	<b>C1NA</b>	SURFACE CEILING MOUNT				

F	LIGHT SOURCE		H	I	J	
LED OUTPUT		VOLTAGE	OAH*	CONTROL	OPTIONS	
<b>LED1</b>	<b>COLOR TEMP</b> (80+ CRI) <b>27K</b> <b>30K</b> <b>35K</b> <b>40K</b>	<b>COLOR TEMP</b> (90+ CRI) <b>927K</b> <b>930K</b> <b>935K</b> <b>940K</b>	<b>UNV</b> 120-277	<b>48</b> <b>100</b> <b>144</b>  <b>FOR P1EE:</b> SPECIFY IN INCHES  <b>NOTE:</b> LEAVE BLANK WITH <b>C1NA</b>	<b>DM1</b> 0-10V DIMMING 1%	<b>ULD</b> DAMP LABEL <b>BIOS</b> BIOS SKYBLUE™ OR BIOS SKYBLUE™ DYNAMIC LIGHT ENGINE**  <b>MOD</b> MODIFIED LUMINAIRE (CONTACT LOCAL REP)
<b>LED2</b>						

SAMPLE CODE: SL1-P1EM-24-MW-WTP-LED1/35K-UNV-48-DM1

\*For Minimum OAH, see hanging systems details. P1EM will ship with one of three standard OAH's (48", 100" or 144") field adjustable to the desired height.

\*\*Contact factory for BIOS SkyBlue® or BIOS SkyBlue® Dynamic light engine and control options.

Fixtures with P1EM hanging system, canopy will be MWP unless specified.

Fixtures with P1EE hanging system, canopy will match finish choice.

UP TO **86** LM/W

LUMENS AND WATTAGE CHART							
	24"	36"	48"	60"	72"	96"	120"
<b>LED1</b>	LUMENS DELIVERED	4300	7740	10320	12900	15480	21500
	SYSTEM WATTAGE	50	90	120	150	180	250
<b>LED2</b>	LUMENS DELIVERED	5160	10320	13760	17200	18920	28380
	SYSTEM WATTAGE	60	120	160	200	220	330

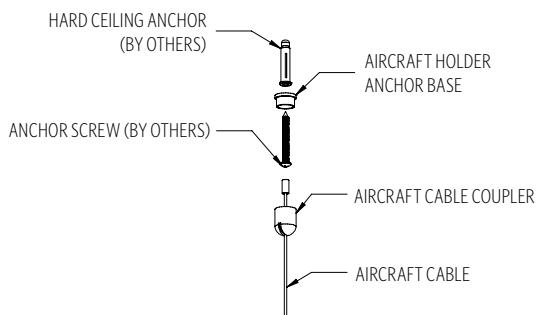
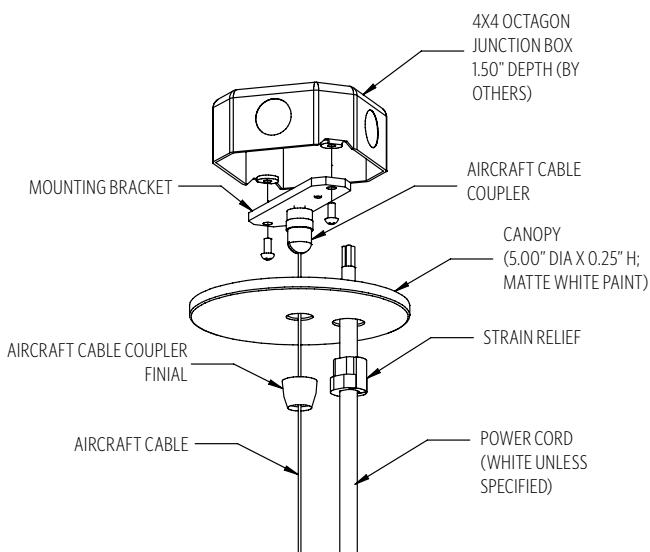
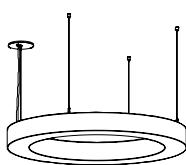
This chart was created for a 35K color temp. Multiply by 0.95 for 27k color temp, 0.97 for 30k color temp, and 1.03 for 40k color temp. Wattage and lumen data approx. pending LM-79 testing.

Values shown for 80+ CRI. For 90+ CRI lumens use 0.85 multiplier.

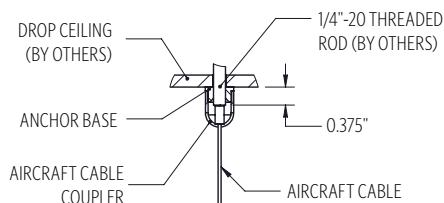
### MODS, NOTES, & COMMENTS

## HANGING SYSTEM

**PIEM** PENDANT WITH VERTICAL AIRCRAFT CABLES TO SEPARATE MOUNTING POINTS AND POWER CORD TO CANOPY (CANOPY MATTE WHITE PAINT) **NOTE:** POWER CORD WHITE UNLESS SPECIFIED



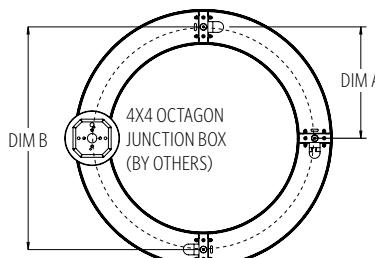
### HARD CEILING



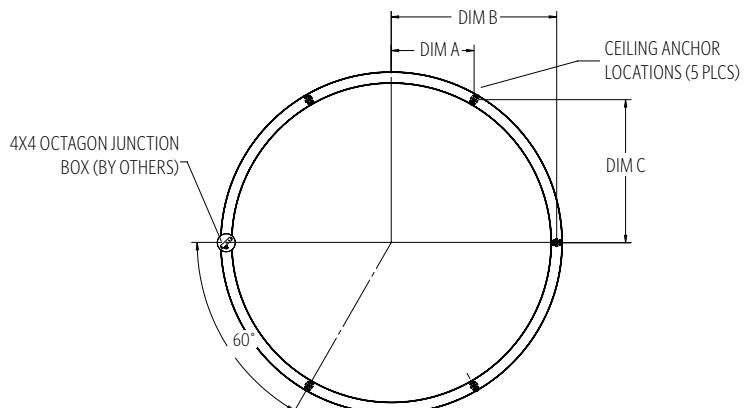
### DROP CEILING

MOUNTING INFORMATION CHART						
LUMINAIRE DIAMETER	LUMINAIRE WEIGHT	MOUNTING DIM A	MOUNTING DIM B	MOUNTING DIM C	MOUNTING POINTS	MIN/MAX OAH
24"	20 LBS	10.375"	Ø 20.75"	-	4	8/144"
36"	30 LBS	16.375"	Ø 32.75"	-	4	8/144"
48"	40 LBS	22.375"	Ø 44.75"	-	4	8/144"
60"	50 LBS	28.375"	Ø 56.75"	-	4	8/144"
72"	60 LBS	34.375"	Ø 68.75"	-	4	8/144"
96"	80 LBS	23.188"	46.375"	40.125"	6	8/144"
120"	100 LBS	41.25"	58.375"	116.75"	8	8/144"

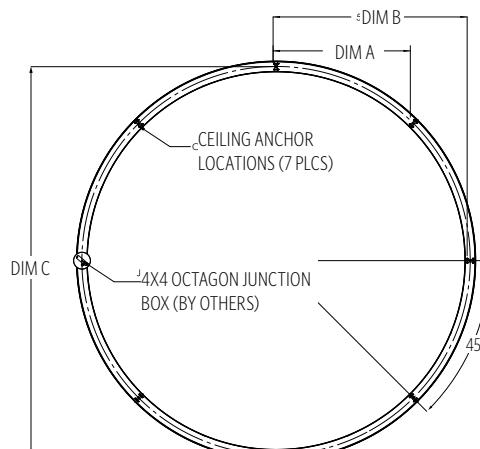
\* PIEM ships with one of three OAH's (48", 100" or 144") and is field adjustable to the desired height



### 24 - 72" MOUNT LOCATIONS

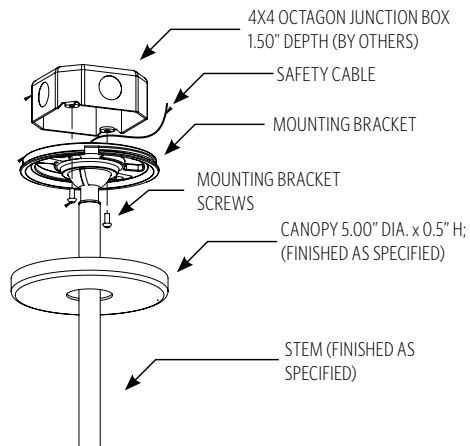


### 96" MOUNT LOCATIONS



### 120" MOUNT LOCATIONS

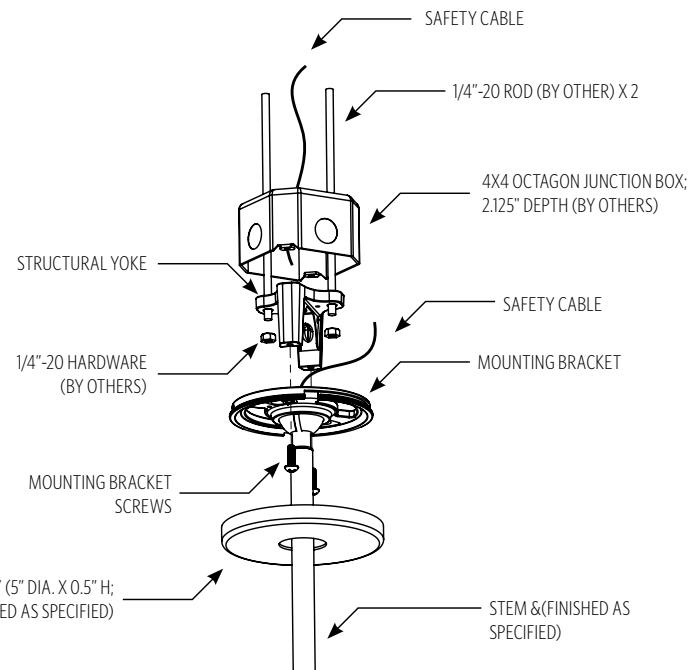
**P1EE** PENDANT WITH ANGLED AIRCRAFT CABLES AND POWER CORD TO COLLECTOR THEN SINGLE CENTER STEM TO CANOPY (CANOPY MATCHES FIXTURE FINISH) **NOTE:** POWER CORD WHITE UNLESS SPECIFIED



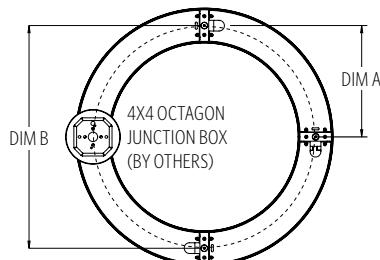
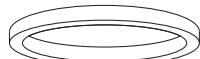
**STANDARD MOUNTING  
UNDER 55 LBS  
(24"- 60")**

MOUNTING INFORMATION CHART			
Fixture Diameter	Fixture Weight	Use Canopy Install Instructions:	Min/Max OAH
24"	20 LBS	SWIVEL CANOPY ASSEMBLY UNDER 55LBS	17/155"
36"	30 LBS	SWIVEL CANOPY ASSEMBLY UNDER 55LBS	21/159"
48"	40 LBS	SWIVEL CANOPY ASSEMBLY UNDER 55LBS	25/163"
60"	50 LBS	SWIVEL CANOPY ASSEMBLY UNDER 55LBS	28/166"
72"	60 LBS	SWIVEL CANOPY ASSEMBLY OVER 55LBS	33/171"

Structural mounting required for fixtures over 50 lbs.



**STRUCTURAL MOUNTING  
OVER 55 LBS  
(72")**



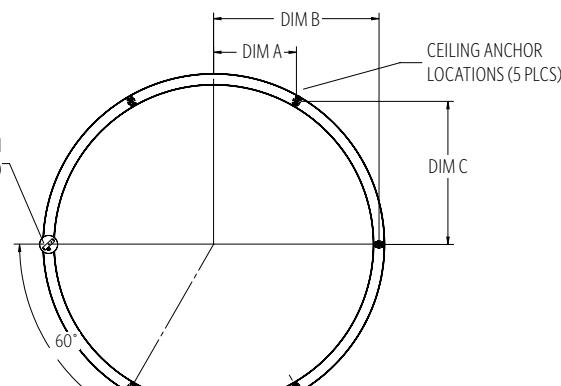
24 - 72" MOUNT LOCATIONS

MOUNTING INFORMATION CHART					
Fixture Diameter	Fixture Weight	Mounting Dim A	Mounting Dim B	Mounting Dim C	Mounting Points
24"	20 LBS	10.375"	Ø 20.75"	-	4
36"	30 LBS	16.375"	Ø 32.75"	-	4
48"	40 LBS	22.375"	Ø 44.75"	-	4
60"	50 LBS	28.375"	Ø 56.75"	-	4
72"	60 LBS	34.375"	Ø 68.75"	-	4
96"	80 LBS	23.188"	46.375"	40.125"	6
120"	100 LBS	41.25"	58.375"	116.75"	8

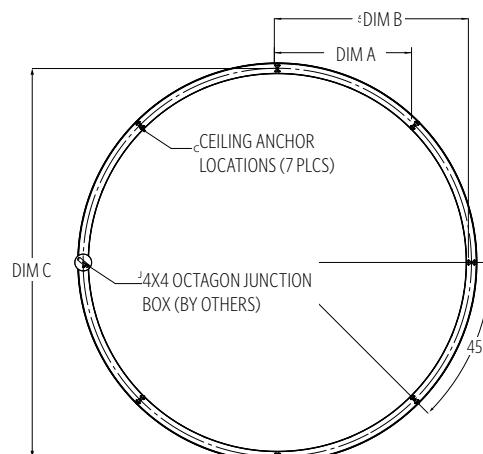
Fixture is provided with mounting accessories to mount to a 4x4 octagon junction box, 3" mud ring or conduit feed (all supplied by others).

For a completely flush to the ceiling appearance, conduit feed or 3" mud ring is recommended.

For 4x4 octagon junction box mounting, a .08" thick, 5" diameter matte white cover plate is provided as well as shimming washers in the anchor locations.

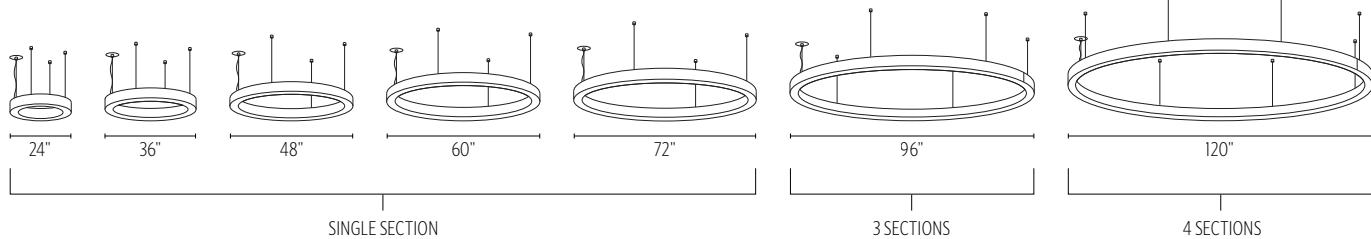


96" MOUNT LOCATIONS



120" MOUNT LOCATIONS

## SIZES



## DIFFUSER



**MW** MATTE WHITE

## FINISH

### METALLIC POWDER COAT FINISHES:



**SMP**  
SILVER



**GRP**  
GRAPHITE



**SGP**  
STEEL GRAY



**GLP**  
GOLDTASTIC



**BMP**  
BRASS



**BNP**  
BRONZE

### PREMIUM METAL FINISHES:



**BAL**  
BRUSHED  
ALUMINUM

### SOLID POWDER COAT FINISHES:



**SWP**  
SKY WHITE



**MWP**  
MATTE  
WHITE



**BKP**  
BLACK

### TEXTURED POWDER COAT FINISHES:



**BTP**  
BLACK  
TEXTURED



**WTP**  
WHITE  
TEXTURED

**RAL**<sup>®</sup>, **Pantone**<sup>®</sup> or custom finishes are also available.

These colors are for reference only. Please be aware that colors may vary per monitor. Contact your local rep for finish samples or with any questions.

## LIGHT SOURCE

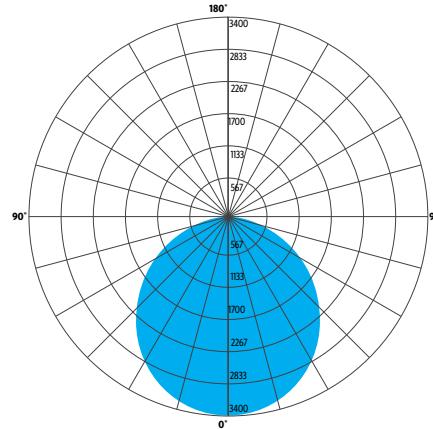
LUMENS AND WATTAGE CHART								
	24"	36"	48"	60"	72"	96"	120"	
<b>LED1</b>	LUMENS DELIVERED	4300	7740	10320	12900	15480	21500	26660
	SYSTEM WATTAGE	50	90	120	150	180	250	310
<b>LED2</b>	LUMENS DELIVERED	5160	10320	13760	17200	18920	28380	35690
	SYSTEM WATTAGE	60	120	160	200	220	330	415

This chart was created for a 35K color temp. Multiply by 0.95 for 27k color temp, 0.97 for 30k color temp, and 1.03 for 40k color temp. Wattage and lumen data approx. pending LM-79 testing.

Values shown for 80+ CRI. For 90+ CRI lumens use 0.85 multiplier.

### PHOTOMETRY:

LUMINAIRE: SL1-P1EE-36-GW-MWP-LED2/35K-UNV  
 COLOR TEMP #: 3500K  
 OUTPUT: 10320  
 EFFICACY: 86 LM/W  
 TEST REPORT: TEST NO. 19984.0



STANDARD COLOR TEMPERATURE OPTIONS	CRI (RA)	
2700K	80+	90+
3000K	80+	90+
3500K	80+	90+
4000K	80+	90+

### LUMEN MAINTENANCE

REPORTED:	L70 AT >60,000 HRS
CALCULATED:	L70 AT 181,000 HRS
REPORTED:	L90 AT 52,000 HRS
CALCULATED:	L90 AT 52,000 HRS

Derived from EPA TM-21 calculator. Based on typical conditions. Consult the factory for additional details.

ZONE	LUMENS	% OF LUMINAIRE
0-30	2890	28%
0-60	8360	81%
0-90	10320	100%
90-180	0	0%

## CONTROL

### DM1 0-10V DIMMING DOWN TO 1%

- 0-10V DIMMING
- 1% MINIMUM DIMMING LEVEL
- ELECTRONIC DRIVER
- POWER FACTOR >0.9
- THD <20%
- MIN AMBIENT OPERATING TEMPERATURE = -31°F
- FIELD REPLACEABLE

## OPTIONS

### MOD MODIFIED LUMINAIRE

- LUMINAIRE IS MODIFIED FROM STANDARD OPTIONS. CONTACT LOCAL REP FOR MORE INFORMATION

### ULD DAMP LABEL LUMINAIRE

- MAY BE USED IN A OUTDOOR AREA THAT IS PROTECTED FROM DIRECT CONTACT WITH WIND, RAIN, SNOW OR EXCESSIVE MOISTURE

### BIOS

- BIOS SKYBLUE™ DYNAMIC** LIGHT ENGINE IS DIMMABLE AND FEATURES A SIMPLE APPROACH TO CIRCADIAN LIGHTING CONTROLS.
- WHEN PAIRED WITH THE BIOS BIO-DIMMING MODULE, IT OPERATES USING ANY SINGLE CHANNEL CONSTANT CURRENT (CC) LED DRIVER AND CAN BE USED WITH ANY STANDARD DIMMING INTERFACE/PROTOCOL (0-10V, ELV, DMX, WIRELESS) AND COULD WORK WITH EXISTING TWO-CHANNEL CONTROL SYSTEMS AS WELL.
- VISIT [OCL.COM/BIOS](http://OCL.COM/BIOS) FOR MORE INFORMATION

## SPECIFICATIONS

### CONSTRUCTION

- EXTRUDED ALUMINUM PROFILE
- ACRYLIC DIFFUSER CUT WITH LAP JOINT TO ELIMINATE DIODE VIEW
- THICK GAUGE STEEL INTERNAL BRACKETS
- HANGING SYSTEMS USE STEEL OR ALUMINUM CANOPIES WITH AIRCRAFT CABLE SUPPORTS
- HARDWARE IS STEEL OR STAINLESS STEEL
- 98" & 120" PROVIDED WITH HARDWARE FOR BOLTING SECTIONS TOGETHER

### ELECTRICAL

- DIMMING ELECTRONIC DRIVER(S), COMES STANDARD WITH 0-10V DOWN TO 1%
- LUTRON (LDE1) ECOSYSTEM 1% ALSO AVAILABLE
- OCL PROPRIETARY LED ARRAYS USE NICHIA 757 DIODES
- 80+ CRI = 80 RA, R9 > 0 (10-15 TYP.)
- 90+ CRI = 90 RA, R9 > 50
- FOR INTEGRAL DRIVERS:** LUMINAIRE CONNECTS TO BUILDING SUPPLY (120V-277V 50/60HZ)
- FOR REMOTE DRIVERS:** LUMINAIRE WIRE LEADS ARE LOW-VOLTAGE. THE WIRES SHOULD BE CONNECTED TO OCL PROVIDED REMOTE DRIVER ENCLOSURE ONLY!

### LISTING

- ETL LISTED TO UL1598 FOR INDOOR, DRY LOCATION (DAMP LOCATION OPTIONAL)

### WARRANTY

- 5 YEAR; ALL ELECTRICAL COMPONENTS RETAIN THE MANUFACTURER'S WARRANTY

### BUILD AMERICA, BUY AMERICA (BABA)

- THIS PRODUCT MEETS THE GUIDELINES FOR THE BUILD AMERICA, BUY AMERICA ACT. **SOME EXCLUSIONS APPLY.** FOR MORE INFORMATION AND A FULL LIST OF ELIGIBLE SKUS, VISIT [OCL.COM/BABA](http://OCL.COM/BABA)

### SUSTAINABILITY

- DECLARE:** DECLARE IS AN INGREDIENT LABEL DISCLOSURE FOR BUILDING PRODUCTS THAT IS DESIGNED TO HELP SPECIFIERS QUICKLY IDENTIFY PRODUCTS THAT SUPPORT HUMAN AND ENVIRONMENTAL HEALTH. LEARN MORE AT [OCL.COM/DECLARE](http://OCL.COM/DECLARE)
- THIS PRODUCT MEETS THE MATERIAL RESTRICTIONS OF ARTICLE 4 OF THE **ROHS** DIRECTIVE (2011/65/EU), INCLUDING COMMISSION DELEGATED DIRECTIVE 2015/863
- BIOS** LIGHTING CONTRIBUTES TOWARD THE CIRCADIAN LIGHTING DESIGN FEATURE 54 UNDER THE **WELL BUILDING STANDARD™ V1** AND FEATURE L03 UNDER THE **WELL BUILDING STANDARD V2**

## DECLARE



### DECLARE: PRODUCT TRANSPARENCY IN MANUFACTURING

Declare is the only label that combines material transparency and the Red List. It distills complex chemical ingredient information into an easy to read label. Declare helps specifiers find Red List Free products, which are healthy for people, the environment, and communities.

A product's compliance with the LBC Red List is represented on the Declare® label by the product's Declaration Status. There are three Declaration Statuses:

- DECLARED (RLD)** products disclose 100% of ingredients present in the final product, but contain one or more Red List chemicals that are not covered by an approved exception.
- LBC RED LIST APPROVED (RLA)** products disclose a minimum of 99% of ingredients present in the final product and meet the LBC Red List Imperative requirements through one or more approved exceptions.
- LBC RED LIST FREE (RLF)** products disclose 100% of ingredients present at or above 100 ppm (0.01%) in the final product and do not contain any Red List chemicals.

Need more information? Visit [ocl.com/declare](http://ocl.com/declare) to learn more.

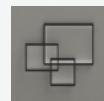
## COMMON MODIFICATIONS

### WE'RE BUILT FOR OUT-OF-THE-BOX THINKERS.

Nearly 50% of OCL fixtures we manufacture have some type of modification. Here is a list of common modifications we frequently produce. **Please contact the factory for modifications specific to your fixture or project.**

Need some help? Simply send your questions to us at  
**OCL-Quotes@ocl.com**

- BIOS, TUNABLE WHITE, WARM-DIM, & RGBW LIGHT SOURCES
- SPECIFIC LUMEN OUTPUT
- MODIFIED CLUSTERS OR CONFIGURATIONS / MULTI-DROP CANOPIES
- VARIOUS SHAPES, ARCS, AND CURVES FOR LINEAR PROFILES AND RINGS
- CEILING OR SURFACE MOUNTING
- LARGE SCALE MODIFICATIONS
- RAL, PANTONE, BRAND-SPECIFIC, RETIRED OCL COLOR, OR CUSTOM FINISHES



- EMERGENCY BATTERY BACKUP OR INVERTER OPTIONS
- REMOTE DRIVERS / EXTENDED DISTANCE REMOTE DRIVERS
- DIMMING TO 0.1% (DIM TO DARK)
- NON-STANDARD SIZES OR LENGTHS
- NON-STANDARD CANOPY, BODY AND/OR CORD COLORS
- SEISMIC AND/OR ANTI-SWAY SYSTEMS
- RIGID STEMS
- MODIFIED OVERALL HEIGHTS (LONGER OR SHORTER OAH)
- UPLIGHT ADDITIONS
- LASER ETCHING, ENGRAVING, AND CUTOUTS

The drawings and specifications and ideas, designs and arrangements represented on these drawings are and shall remain the property of The Original Cast Lighting (OCL Architectural Lighting) and no part thereof shall be copied, disclosed, to others or used in conjunction with any work or project other than the specified project for which they have been prepared and developed, without written consent of OCL. Visual contact with these plans or specifications shall constitute conclusive evidence of acceptance of these restrictions. All specifications and information subject to change without notice.