

# Duo™

## PENDANT


### FEATURES

- SIMPLE, LINEAR PROFILE WITH DUAL DIRECTION ILLUMINATION, ACRYLIC TOP AND BOTTOM LENSES
- FIELD REPLACEMENT OF LED ARRAYS AND DRIVERS IS SIMPLE AND REQUIRES MINIMAL EFFORT
- FULLY ILLUMINATED "L", "T" OR "X" JUNCTIONS AVAILABLE TO CREATE SPECIAL INSTALLATIONS
- EXTRUDED DIFFUSER IS FROSTED WHITE ACRYLIC
- 3 STEP COLOR BINNING



### CATALOG CODES

<b>DO1</b>	<b>PIEB</b>	<b>C</b>	<b>MW</b>	<b>E</b>	<b>f</b>	<b>UNV</b>	<b>H</b>	<b>DM1</b>	<b>J</b>
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	STANDARD FINISHES	PREMIUM FINISHES
 <b>DO1</b> DUO	<b>PIEB</b> PENDANT WITH AN AIRCRAFT CABLE ON EACH END OF THE FIXTURE AND A POWER CORD ON ONE END	<b>24</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>METAL FINISHES</b> <b>BAL</b> BRUSHED ALUMINUM  <b>EVERWOODS POWDER COAT FINISHES (BODY ONLY)</b> <b>WPDP</b> WHITE PINE <b>PNDP</b> PINE <b>CRDP</b> CHERRY <b>TKDP</b> TEAK <b>WLDP</b> WALNUT <b>DLDP</b> DARK WALNUT <b>LWDP</b> LIGHT BARNWOOD <b>DWDP</b> DARK BARNWOOD
		<b>36</b>			
		<b>48</b>			
		<b>60</b>			
		<b>89</b>			
		<b>XX*</b>			

F		G		H	I	J	
LIGHT SOURCE		VOLTAGE		OAH	CONTROL	OPTIONS	
<b>LED OUTPUT</b>	<b>COLOR TEMP</b>	<b>COLOR TEMP</b>	<b>UNV</b>	<b>48</b>	<b>DM1</b> 0-10V DIMMING 1%	<b>ULD</b>	DAMP LABEL
<b>2LED1</b>	(80+ CRI)	(90+ CRI)	120-277	<b>100</b>		<b>BIOS</b>	BIOS SKYBLUE™ OR BIOS SKLYBLUE™
<b>2LED2</b>	<b>27K</b>	<b>927K</b>		<b>144</b>			DYNAMIC LIGHT ENGINE*
	<b>30K</b>	<b>930K</b>					<b>FOR MODIFIED &amp; CUSTOM CONFIGURATIONS*</b>
	<b>35K</b>	<b>935K</b>				<b>IJL</b>	ILLUMINATED "L" JUNCTION
	<b>40K</b>	<b>940K</b>				<b>IJT</b>	ILLUMINATED "T" JUNCTION
						<b>IJX</b>	ILLUMINATED "X" JUNCTION
						<b>MOD</b>	MODIFIED LUMINAIRE (CONTACT LOCAL REP)

**SAMPLE CODE: DO1-PIEB-24-MW-WTP-2LED1/27K-UNV-48-DM1**

**PIEB** canopy is Matte White Paint (**MWP**) standard unless otherwise specified.

\*For a modified length, type in length of fixture in inches to the nearest 0.0625"; Min. 24". For lengths over 120", we may recommend a modified option. Please contact factory for assistance on your custom lengths or configurations.

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

### LUMENS AND WATTAGE CHART

		28"	36"	48"	60"	89"
<b>2LED1</b>	LUMENS DELIVERED	1760	2640	3520	4400	7040
	SYSTEM WATTAGE	28	42	56	70	102
<b>2LED2</b>	LUMENS DELIVERED	2650	3900	5290	6550	9700
	SYSTEM WATTAGE	42	62	84	104	154

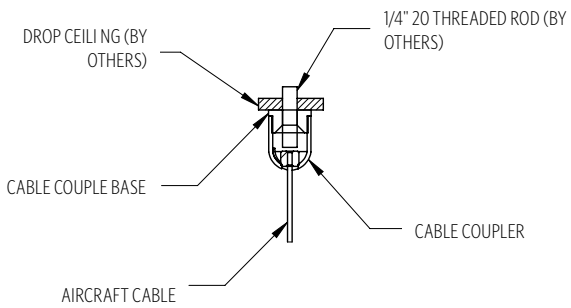
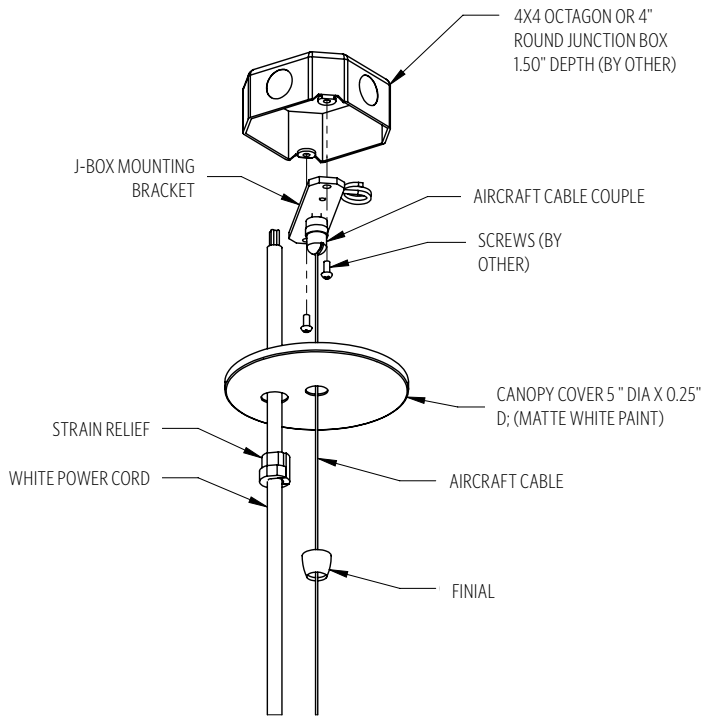
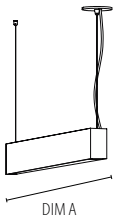
This chart was created for a 35K color temp. Multiply by 0.95 for 27k color temp, 0.97 for 30k color temp, and 1.03 for 40k color temp.

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

### MODS, NOTES, & COMMENTS

## HANGING SYSTEM

**P1EB** PENDANT WITH AN AIRCRAFT CABLE ON EACH END OF THE FIXTURE AND A POWER CORD ON ONE END

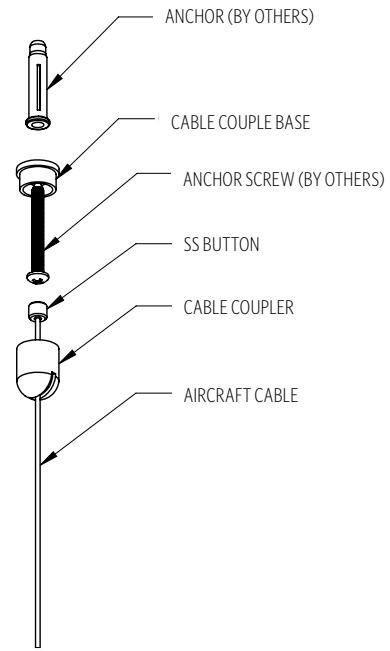


**DROP CEILING**

### MOUNTING INFORMATION CHART

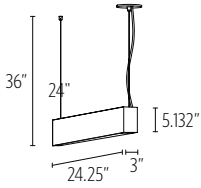
LUMINAIRE SIZE	LUMINAIRE WEIGHT	MOUNTING DISTANCE DIM A	MOUNTING POINTS	MIN/MAX OAH
24.25"	10 LBS	22.3125	2	8.5"/144"
36.25"	15 LBS	34.25	2	8.5"/144"
48.25"	20 LBS	46.25	2	8.5"/144"
60.25"	25 LBS	58.25	2	8.5"/144"
89.25"	37 LBS	57.25	2	8.5"/144"

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

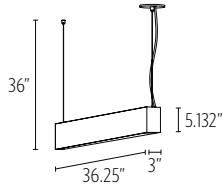


**HARD CEILING**

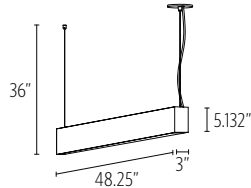
## SIZES



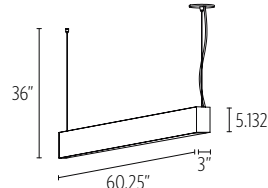
WT. 10 LBS



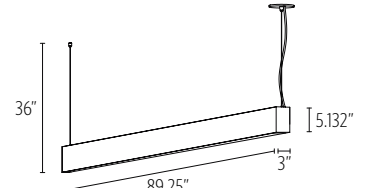
WT. 15 LBS



WT. 20 LBS



WT. 25 LBS



WT. 37 LBS

## DIFFUSER



MW MATTE WHITE

## FINISH

### METALLIC POWDER COAT FINISHES:



SMP SILVER



GRP GRAPHITE



SGP STEEL GRAY



GLP GOLD



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, Pantone® 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.

### EVERWOODS POWDER COAT COLLECTION:



WPDP WHITE PINE



PNDP PINE



CRDP CHERRY



TKDP TEAK



WLDP WALNUT



DLDP DARK WALNUT



LWDP LIGHT BARNWOOD



DWDP DARK BARNWOOD

## LIGHT SOURCE

### LUMENS AND WATTAGE CHART

		24"	36"	48"	60"	89"
<b>2LED1</b>	LUMENS DELIVERED	1760	2640	3520	4400	7040
	SYSTEM WATTAGE	25	40	56	65	95
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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.

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

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

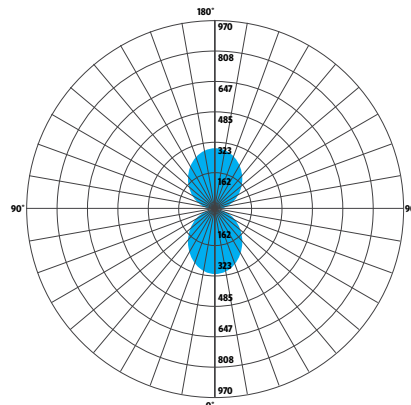
For 80+ CRI - 80 RA, R9 > 0 (10-15 TYP); For 90+ CRI - 90 RA, R9 > 50

ZONE	LUMENS	% OF LUMINAIRE
0-30	248	14%
0-60	666	38%
0-90	827	47%
90-180	933	53%
0-180	1760	100%

### PHOTOMETRY:

FIXTURE: DO1-P1EB-24-MW-PTD-LED1/35K-120-TMW  
 COLOR TEMP #: 3500K  
 OUTPUT: 1760  
 EFFICACY: 70 LM/W  
 TEST REPORT: TEST NO. 18334.0

For all available IES files, please visit our website at ocl.com.



## CONTROL

### DM1 0-10V DIMMING 1%

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

## OPTIONS

### ULD DAMP LABEL LUMINAIRE

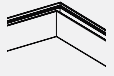
- MAY BE USED IN AN OUTDOOR AREA THAT IS PROTECTED FROM DIRECT CONTACT WITH WIND, RAIN, SNOW OR EXCESSIVE MOISTURE

### BIOS

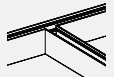
- **BIOS SKYBLUE™ DYNAMIC** LIGHT ENGINE IS DIMMABLE AND FEATURES A SIMPLE APPROACH TO CIRCADIAN LIGHTING CONTROLS.
- WHEN PAIRED WITH THE BIOS BIO-DIMMING MODULE, IT OPERATES USING ANY SINGLE CHANNEL CONSTANT CURRENT (CC) LED DRIVER AND CAN BE USED WITH ANY STANDARD DIMMING INTERFACE/PROTOCOL (0-10V, 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

### FOR MODIFIED & CUSTOM CONFIGURATIONS

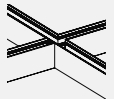
#### IJL ILLUMINATED "L" JUNCTION



#### IJT ILLUMINATED "T" JUNCTION



#### IJX ILLUMINATED "X" JUNCTION



#### MOD MODIFIED LUMINAIRE

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

## SPECIFICATIONS

### CONSTRUCTION

- HOUSING IS EXTRUDED AND WELDED ALUMINUM
- END CAPS ARE CAST ALUMINUM
- EXTRUDED DIFFUSER IS FROSTED WHITE ACRYLIC
- CANOPY IS FORMED ALUMINUM
- HARDWARE IS ZINC PLATED OR STAINLESS STEEL

### MOUNTING

- **PIEB** MOUNTS TO 4X4" OCTAGON OR 4" ROUND J-BOX (BY OTHERS)

### ELECTRICAL

- DIMMING ELECTRONIC DRIVER(S), COMES STANDARD WITH 0-10V DOWN TO 1% [STATIC WHITE]
- OCL PROPRIETARY LED ARRAYS USE NICHIA 757 DIODES
- **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

- 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**

## 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](mailto: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

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