PROJECT NAME:

QTY: _____



FEATURES

- FULLY LUMINOUS SHADE PROVIDES VISUAL PRESENCE WITH SOFT, UNIFORM ILLUMINATION, AND OPTIMAL 60/40 DISTRIBUTION
- SMOOTH AND ATTRACTIVE OPTICAL DESIGN SUPPLIES OUTSTANDING EFFICACY AND VISUAL COMFORT WITH MINIMAL GLARE (UGR - SEE PAGE 4 FOR DETAILS)
- SEAMLESS ONE PIECE MOLDED DIFFUSER IS FULLY ENCLOSED, ELIMINATING ACCUMULATION OF DUST AND DEBRIS
- IK10 IMPACT RATING: RUGGED & ROBUST DIFFUSER CONSTRUCTION WITHSTANDS BUMPS, HITS & STRIKES

- 18", 24", AND 36" DIAMETERS
- AVAILABLE IN 80+ CRI AND 90+ CRI
- FIELD REPLACEABLE LEDS AND DRIVERS
- 3 STEP LED BINNING
- SURFACE LUMINANCE OF < 1600 CD M/2 CAN CONTRIBUTE TO WELL AND LEED SPECIFICATIONS
- **ETL LISTED TO UL STANDARDS FOR DAMP** LOCATION (ULD OPTION)











CATALOG CODES

NE1	- В	- C	- MW -		- F	- UNV -	Н -	DM1	-
SERIES	HANGING SYSTEM	SIZE	DIFFUSER	FINISH	LIGHT SOURCE	VOLTAGE	ОАН	CONTROL	OPTIONS

A		В		С	D	E
SERIES		HANGING SYSTEM		SIZE	DIFFUSER	CANOPY FINISH*
	P1FK	MOUNTING TYPE* PENDANT WITH 5.75" SURFACE MOUNT CANOPY, SINGLE CENTER AIRCRAFT CABLE AND POWER CORD: MOUNTS TO 4X4 OCTAGON J-BOX (BY OTHERS): INTEGRAL DRIVERS:	CORD COLOR B BLACK POWER	18	MW MATTE WHITE	POWDER COAT FINISHES BKP BLACK BMP BRASS METALLIC
FO	P1FB	NOTE: 18" AND 24" LED1, LED2, WD1 ONLY PENDANT WITH A 6" FLAT CANOPY, SINGLE CENTER AIRCRAFT CABLE AND POWER CORD; MOUNTS TO OCL RECESSED J-BOX (PROVIDED BY OCL) NOTE: LED1, LED2, WD1 ONLY	CORD W WHITE	24		BNP BRONZE BTP BLACK TEXTURED GRP GRAPHITE GLP GOLDTASTIC
:0	P1FF	PENDANT WITH 8" SURFACE MOUNT CANOPY, SINGLE CENTER AIRCRAFT CABLE AND POWER CORD; MOUNTS TO 4X4 OCTAGON J-BOX (BY OTHERS); INTEGRAL DRIVERS; NOTE: 36" ONLY	POWER CORD	36		MWP MATTE WHITE SGP STEEL GRAY SMP SILVER METALLIC
	P1FG	PENDANT WITH 5" FLAT CANOPY, SINGLE CENTER AIRCRAFT CABLE AND POWER CORD; MOUNTS TO 4X4 OCTAGON J-BOX (BY OTHERS); REMOTE DRIVER ENCLOSURE; NOTE: REQUIRED FOR RGBW DMX CONTROL	NOTE: FOR P1AA & P1AN, LEAVE BLANK			SWP SKY WHITE WTP WHITE TEXTURED NFA NO FINISH AVAILABLE
	PIAA	PIAA PENDANT WITH A SINGLE CENTER STEM; MOUNTS TO 4X4 OCTAGON J-BOX (BY OTHERS); NOTE : 18" AND 24" ONLY				(P1FB & P1FG ONLY)
	P1AN	PENDANT WITH A SINGLE CENTER STEM; MOUNTS TO 4X4 OCTAGON J-BOX (BY OTHERS); REMOTE DRIVER ENCLOSURE; NOTE: REQUIRED FOR RGBW DMX CONTROL				PREMIUM METAL FINISHES BAL BRUSHED ALUMINUM

	F		(G	Н		1		J
LIGHT SOURCE			VOLT	ΓAGE	OAH**		CONTROL		OPTIONS
LED OUTPUT LED1 LED2	COLOR TEMP (80+ CRI) 27K 30K 35K 40K	COLOR TEMP (90+ CRI) 927K 930K 935K 940K	UNV	120-277	48 100 144 NOTE: PIAA & PIAN should be specified to the nearest inch	DM1	O-10V DIMMING 1% NOTE: FOR ADDITIONAL CONTROL OPTIONS, CONTACT FACTORY	ULD MOD	DAMP LABEL MODIFIED LUMINAIRE (CONTACT LOCAL REP)
WD1	WARI 3000K - 1800K;	vi Dim 90+ CRI; R9 50+							
RGBW		BW R P1AN HANGING SYSTEM				DMX	DMX CONTROL; DIMMABLE TO 0.1% (REQUIRED FOR RGBW)		

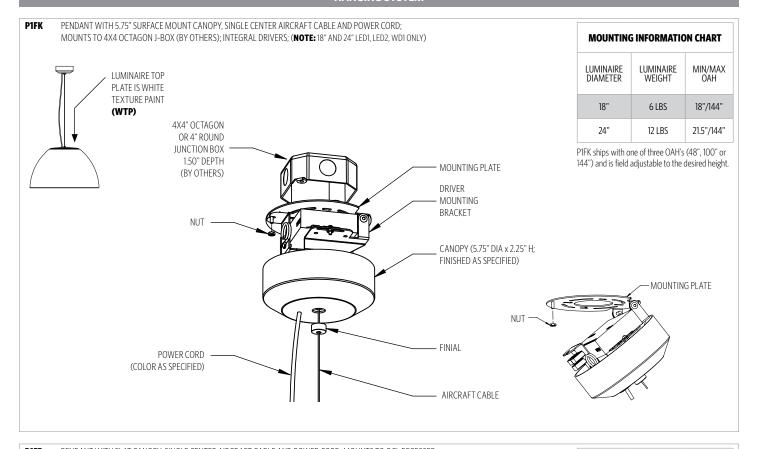
SAMPLE CODE: NE1-P1FKB-18-MW-MWP-LED1/27K-UNV-48-DM1

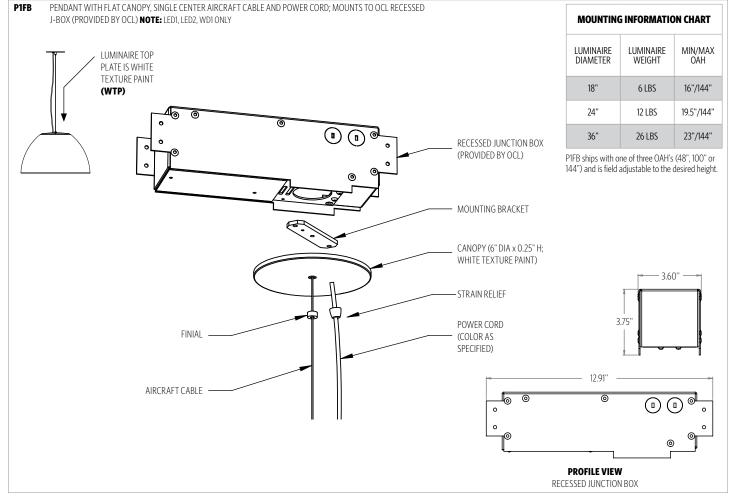
LUMENS AND WATTAGE CHART		18"	24"	36"
1501	LUMENS DELIVERED	1890	3050	6350
LED1	SYSTEM WATTAGE	18	30	58
	LUMENS DELIVERED	3320	5230	9850
LED2	SYSTEM WATTAGE	30	50	90
WD1 PENDING PHOTOMETRIC TESTING				

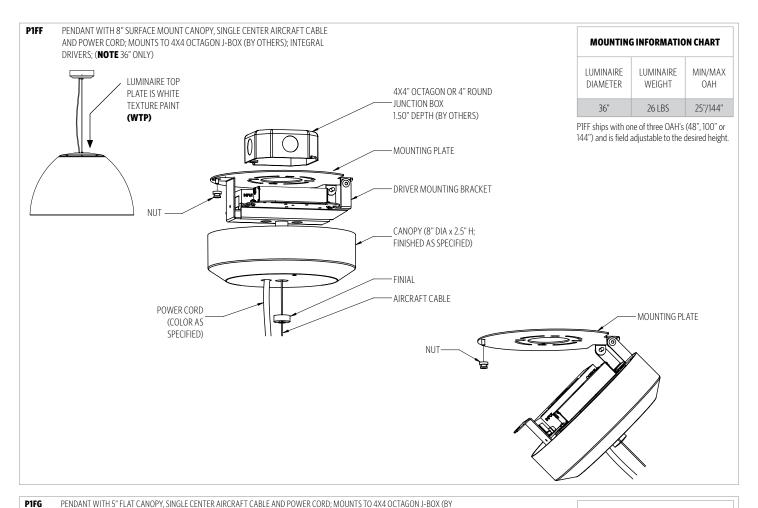
This chart was created for a 35K color temp. Multiply by 0.95 for 27k color temp, 0.97 for 30k color temp, and 1.03 for 40k color temp. Values shown for 80+ CRI. For 90+ CRI lumens use 0.85 multiplier.

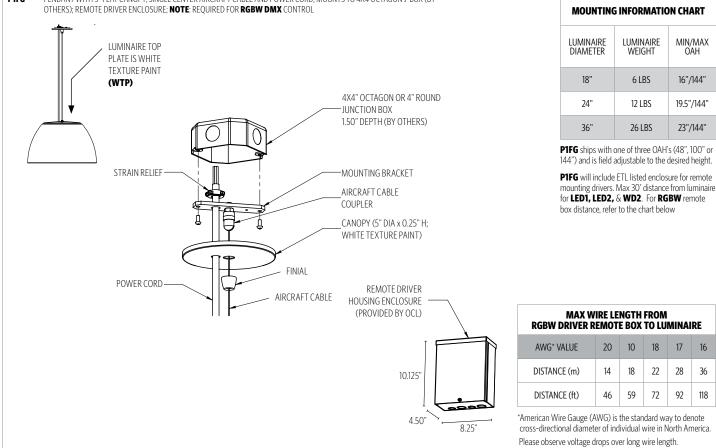
^{*} NOTE: luminaire top plate is white texture paint (WTP); P1FK, P1FF, P1AA, & P1AN canopy color finished as specified; P1FB & P1FG canopy color is WTP

^{**} For Minimum OAH, see hanging systems details. P1FK, P1FF, P1FB, & P1FG will ship with one of three standard OAH's (48", 100" or 144") field adjustable to the desired height. P1AA & P1AN, specify to the nearest inch within the MIN/MAX heights detailed on page 4.









Longer wire lengths increase EMI susceptibility.

17 16

28 36

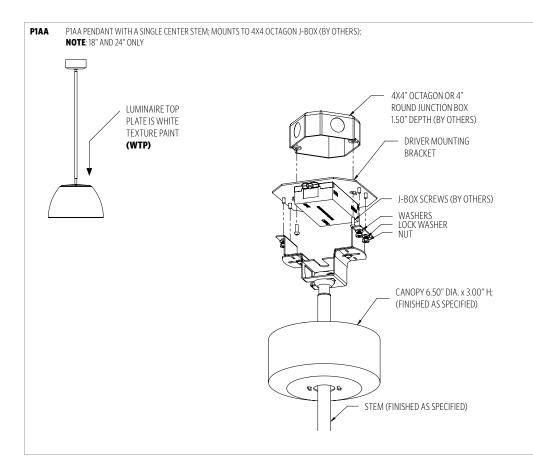
118

MIN/MAX OAH

16"/144"

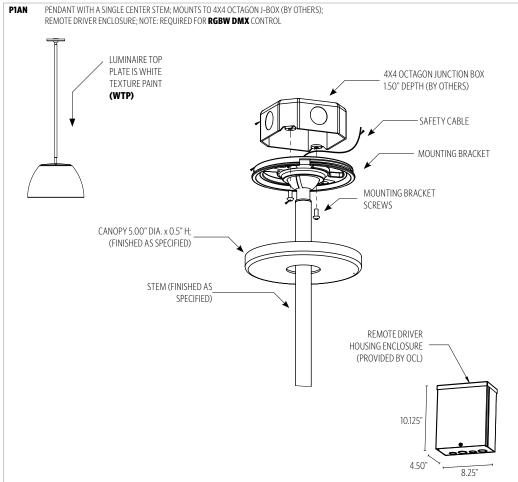
19.5"/144"

23"/144"



MOUNTING	MOUNTING INFORMATION CHART				
LUMINAIRE DIAMETER	LUMINAIRE WEIGHT	MIN/MAX OAH			
18"	8 LBS	16"/144"			
24"	14 LBS	19.5"/144"			

Features a 45-degree sloped-ceiling canopy. **P1AA** should be specified to the nearest inch.



MOUNTING INFORMATION CHART					
LUMINAIRE DIAMETER	LUMINAIRE WEIGHT	MIN/MAX OAH			
18"	8 LBS	16"/144"			
24"	14 LBS	19.5"/144"			
36"	28 LBS	23"/144"			

P1AN should be specified to the nearest inch P1AN will include ETL listed enclosure for remote mounting drivers. Max 30' distance from luminaire for LED1, LED2, & WD2. For RGBW remote box distance, refer to the chart below

MAX W	IRE LE	NGTH	FROM		
RGBW DRIVER R	EMOT	E BOX	TO LU	MINAI	RE

AWG* VALUE	20	10	18	17	16
DISTANCE (m)	14	18	22	28	36
DISTANCE (ft)	46	59	72	92	118

*American Wire Gauge (AWG) is the standard way to denote cross-directional diameter of individual wire in North America. Please observe voltage drops over long wire length. Longer wire lengths increase EMI susceptibility.







DIFFUSER

METALLIC POWDER COAT FINISHES:

FINISH

PREMIUM METAL FINISHES:



MW MATTE WHITE



SMP

SILVER

GRP

GRAPHITE







BRONZE

TEXTURED POWDER COAT FINISHES:

TEXTURED

BAL **BRUSHED** ALUMINUM

SOLID POWDER COAT FINISHES:



SKY WHITE



WHITE



RTP

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.

LIGHT SOURCE

	LUMENS AND			
V	ATTAGE CHART	18"	24"	36"
LED1	LUMENS DELIVERED	1890	3050	6350
LEDI	SYSTEM WATTAGE	18	30	58
LED2	LUMENS DELIVERED	3320	5230	9850
LEDZ	SYSTEM WATTAGE	30	50	90
WD1	PEND	ING PHOTOMETR	IC TESTING	

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	
2700K	80+	90+
3000K	80+	90+
3500K	80+	90+
4000K	80+	90+
3000K-1800K (WD1)	90)+

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

% OF ZONE LUMENS **LUMINAIRE** 0-30 190 10% 0-60 627 33% 0-90 1075 57% 90-180 823 43% 0-180 1898 100%

This chart was created using NE1-XXX-18-LED1/35K testing data, and will vary with size & light source specifications chosen. See IES files on product page.

PHOTOMETRY:

LUMINAIRE: NE1-P1XX-18-MW-PTD-LED1-35K-UNV-XX-DM1

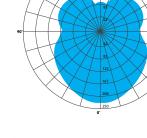
COLOR TEMP #: 3500K OUTPUT: 1898

UP TO 111 LM/W EFFICACY:

TEST REPORT: TEST NO. 105083407CRT-001

UCD VALUE CHART			
UGR VALUE CHART	18"	24"	36"
LED1	12.7	11.7	11.3
LED2	14.7	13.6	12.9

Luminaire UGR values are for reference only. UGR is a tool for designers to evaluate a complete space. It is not a check box, or an inherent characteristic of any individual luminaire.



ABOUT WARM DIM

Warm $\operatorname{Dim}\left(\boldsymbol{WD1}\right)$ when used with $\boldsymbol{DM1}$ control option closely mimics the CCT curve of halogen bulb as it dims, transitioning on a logarithmic curve from 3000K at full output to 1800K at minimum output

LUMEN MAINTENANCE - 18" & 24" (STATIC WHITE ONLY)

REPORTED:	L70 AT >60,000 HRS
CALCULATED:	L70 AT 115,000 HRS
REPORTED:	L90 AT 34,000 HRS
CALCULATED:	L90 AT 34,000 HRS

LUMEN MAINTENANCE - 36" (STATIC WHITE ONLY)

REPORTED:	L70 AT >60,000 HRS
CALCULATED:	L70 AT 124,000 HRS
REPORTED:	L90 AT 37,000 HRS
CALCULATED:	L90 AT 37,000 HRS

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

CONTROL

0-10V DIMMING 1% DM₁

- 0-10V DIMMING
- 1% MINIMUM DIM LEVEL
- FLECTRONIC DRIVER
- POWER FACTOR > 0.9
- THD <20%
- MINIMUM AMBIENT OPERATING TEMPERATURE -31°F
- FIFI D RFPI ACFABLE
- LINEAR DIMMING CURVE
- DIM TO OFF

DMX CONTROL DIMMABLE TO 0.1% DMX

- DMX 512A/RDM DIMMING PROTOCOL
- 0.1% MINIMUM DIM LEVEL
- ELECTRONIC DRIVER
- POWER FACTOR > 0.9
- THD <20%
- MINIMUM AMBIENT OPERATING TEMPERATURE -4°F
- LOGARITHMIC DIMMING CURVE [DEFAULT]
- FIELD REPLACEABLE

OPTIONS

ULD **DAMP LABEL LUMINAIRE**

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

MODIFIED LUMINAIRE

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

SPECIFICATIONS

CONSTRUCTION

- DIFFUSER IS MOLDED IN ONE PIECE WITHOUT VISIBLE SEAMS OR JOINTS; IK10 IMPACT RATED
- CAST ALUMINUM TOP PLATE WITH WHITE TEXTURE PAINT (WTP) FINISH
- HANGING SYSTEMS USE STEEL OR ALUMINUM CANOPIES WITH AIRCRAFT CABLE SUPPORTS: OR HARD STEMS
- HARDWARE IS STEEL OR STAINLESS STEEL

MOUNTING

- P1FK, P1FF, P1AA, P1FG & P1AN MOUNT TO 4X4" OCTAGON OR 4" ROUND J-BOX (BY OTHER)
- P1FB MOUNTS TO OCL PROPRIETARY RECESSED J-BOX (PROVIDED BY OCL)

ELECTRICAL

- DIMMING ELECTRONIC DRIVER, COMES STANDARD WITH 0-10V DOWN TO 1%
- OCL PROPRIETARY LED ARRAYS LISE NICHIA 757 DIODES
- FOR INTEGRAL DRIVERS: LUMINAIRE CONNECTS TO BUILDING SUPPLY (120V-277V 50/60HZ)
- FOR REMOTE DRIVERS: I LIMINAIRE WIRE I FADS ARE LOW-VOLTAGE. THE WIRES SHOULD BE CONNECTED TO OCL PROVIDED REMOTE DRIVER ENCLOSURE ONLY!

LISTING

 ETL LISTED TO UL 1598 FOR DRY LOCATIONS, DAMP LOCATION (ULD) LISTED IS OPTION

WARRANTY

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

SUSTAINABILITY

- SURFACE LUMINANCE OF < 1600 CD M/2 CAN CONTRIBUTE TO WELL AND LEED SPECIFICATIONS
- THIS PRODUCT MEETS THE MATERIAL RESTRICTIONS OF ARTICLE 4 OF THE ROHS DIRECTIVE (2011/65/EU), INCLUDING COMMISSION DELEGATED DIRECTIVE 2015/863

SAFETY REGULATIONS

CAN BE USED FOR TITLE 24 PART 6 AND JA8-2016E COMPLIANCE — CONTACT YOUR REP FOR HELP WITH YOUR PROJECT REQUIREMENTS AND LUMINAIRE **SPECIFICATION**

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

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