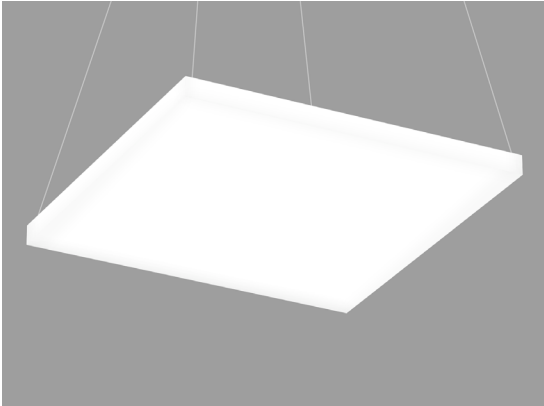


# POP CORE SQUARE 4x4 LED

## PENDANT DIRECT/INDIRECT



Shown with 2.5" optic

### DESCRIPTION

**POP Core** features a simple, uniformly luminous diffuser and delivers up to 131 LPW. The diffuser and light engine form a fully enclosed unit secured by a twist-and-lock mechanism for easy maintenance with no exposed hardware.

PROJECT: \_\_\_\_\_

TYPE: \_\_\_\_\_

NOTES: \_\_\_\_\_



### ORDER GUIDE

up to 131 lm/W performance

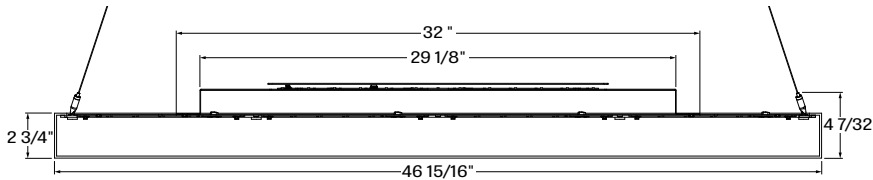
POSQPDI	4FTX4FT	ULO	2H	SW		
LUMINAIRE ID	SIZE	OPTIC	HEIGHT	LIGHT SOURCE	CRI	DIRECT LUMEN PACKAGE
POSQPDI - Pop Square Pendant Direct/Indirect	4FTX4FT - 4' X 4'	ULO - Uniform Lambertian Optic	2H - 2.5" optic	SW - Static white	80 - 80CRI 90 - 90CRI	7000 - Min. low output 7000lm 10000 - Medium output 10000lm 14000 - Max. high output 14000lm #### - Other required lm

INDIRECT LUMEN PACKAGE	COLOR TEMP.	VOLTAGE	DRIVER	ELECTRICAL	5SWAC36 MOUNTING
2500 - Min. low output 2500lm 3500 - Medium output 3500lm 4500 - Max. high output 4500lm #### - Other required lm	27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K	120 - 120V 277 - 277V UNV - 120V-277V 347 - 347V	D1 - 1% 0-10V DA - DALI LDE1 - Lutron Hi-lume 1% Eco	1 - 1 circuit 2 - 2 circuits +EB - Emergency battery pack device +GTD - Generator transfer device	5SWAC36 - Power 5" square white canopy (36" aircraft cable) <a href="#">For all other options refer to our Pendant Mounting Guide</a>

See page 3 for ordering code detailed information

FINISH	OPTIONS
W - Matte white CF# - Custom finish specify RAL#	FU120 - Fuse 120V FU277 - Fuse 277V

### CROSS SECTION

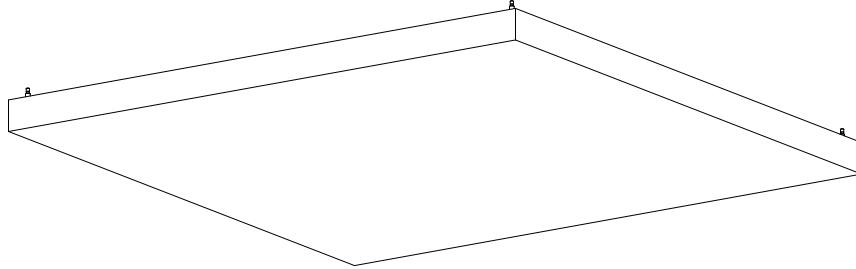


POSQPDI + 2H - Pop Round Pendant Direct/Indirect with 2.5" optic

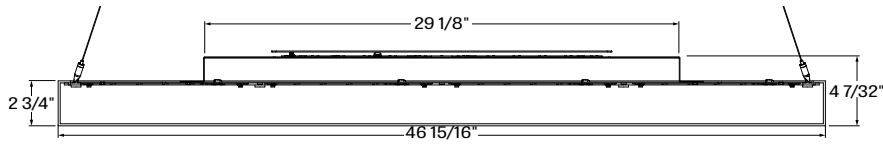
# POP CORE SQUARE 4x4 LED

PENDANT DIRECT/INDIRECT

## POP SQUARE 2H - 2.5" OPTIC



POSQPDI + 2H - Pop Square Pendant with 2.5" optic



# POP CORE SQUARE 4x4 LED

## PENDANT DIRECT/INDIRECT

### OPTIC

**Uniform Efficiency Lambertian Optic (ULO)** - Made of formed impact modified white PMMA, the optic provides an even light distribution with up to 88% transmission. Its unique enclosed shell design protects LEDs against Electrostatic Discharge and dust while its back surface project a soft glow on the mounting surface.

### OPTIC HEIGHT

Pop Square Pendant 44 is available with 2.5" diffuser.



**POSQPDI + 2H** - Pop Square Pendant with 2.5" optic

### LIGHT SOURCE

Custom array of mid-flux LEDs are mounted directly to the housing for optimal thermal performance. Available in 2700K, 3000K, 3500K and 4000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. LEDs operated at reduced drive current to optimize efficacy and lumen maintenance.

All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

### PERFORMANCE AT 4000K

#### High Indirect Output (4500 Lumens)

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Low output	4000K	90.5	7000	4500	11500	127
Medium output	4000K	115	10000	4500	14500	126
High output	4000K	149	14000	4500	18500	124

#### Medium Indirect Output (3500 Lumens)

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Low output	4000K	81.5	7000	3500	10500	129
Medium output	4000K	106.5	10000	3500	13500	127
High output	4000K	140	14000	3500	17500	125

#### Low Indirect Output (2500 Lumens)

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Low output	4000K	72.5	7000	2500	9500	131
Medium output	4000K	97	10000	2500	12500	129
High output	4000K	131	14000	2500	16500	126

### ELECTRICAL

Factory-set, adjustable output current LED driver with universal (120-277VAC) input. Dimmable from 100% to 1% with 0-10V dimming control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other specifiable options include Hi-Lume 1% Eco and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant.

### EMERGENCY

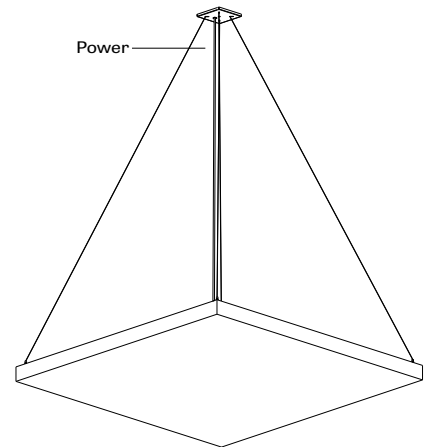
Factory installed long life high temperature recyclable Ni-Cad battery pack with test switch and charge indicator, minimum of 90 minutes operation, up to 1300 lumens (25°C) emergency lighting output. Recharge time of 24 hours.

### MOUNTING OPTIONS

Fixtures are pendant-mounted, using aircraft cables. Unless otherwise specified, Lumenwerx provides the following hardware:

**For cable-mounted fixtures** - 5SWAC36, 5" square white canopy with a 36" cable.

[For all other options, see our website for a detailed Pendant Mounting Guide](#)



### FINISH

**Interior** - 95% reflective, matte white powder coating

**Exterior** - Matte white powder coating.

# POP CORE SQUARE 4x4 LED

## PENDANT DIRECT/INDIRECT

### CONSTRUCTION

**Housing** - 16 gauge spun aluminum, matte white powder coating

**Diffuser** - Uniform Lambertian Optic, precisely formed impact modified acrylic, completely enclosed

### WEIGHT

**SQ 44 X 2.5** - 45.36lbs - 20.6kg

### CERTIFICATIONS

**ETL** - Rated for Indoor Dry/Damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

### WARRANTY

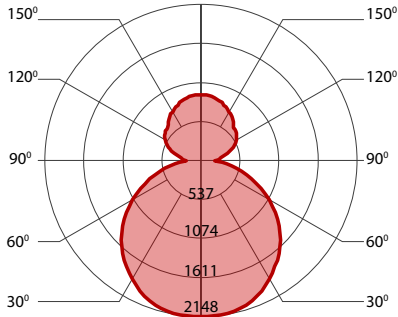
Lumenwerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.

# POP CORE SQUARE 4x4 LED

## PENDANT DIRECT/INDIRECT

### PERFORMANCE AT INDIRECT 2500 LUMEN

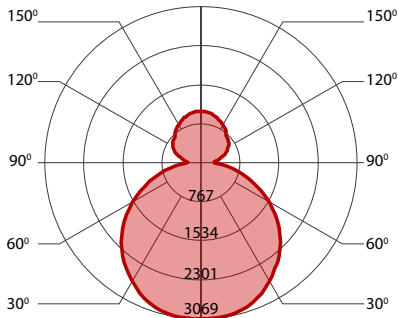
#### 7000 LUMEN AT 80CRI - LOW OUTPUT



#### PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Low output	2700K	79	7000	2500	9500	120
Low output	3000K	77	7000	2500	9500	123
Low output	3500K	75	7000	2500	9500	127
Low output	4000K	72.5	7000	2500	9500	131

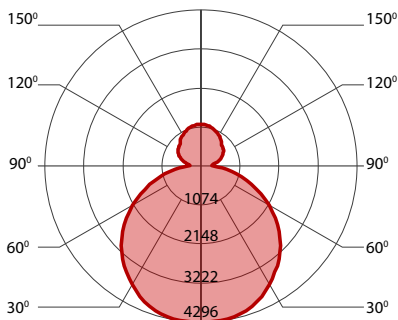
#### 10000 LUMEN AT 80CRI - MEDIUM OUTPUT



#### PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Medium output	2700K	105	10000	2500	12500	119
Medium output	3000K	103.5	10000	2500	12500	121
Medium output	3500K	100	10000	2500	12500	125
Medium output	4000K	97	10000	2500	12500	129

#### 14000 LUMEN AT 80CRI - HIGH OUTPUT



#### PERFORMANCE

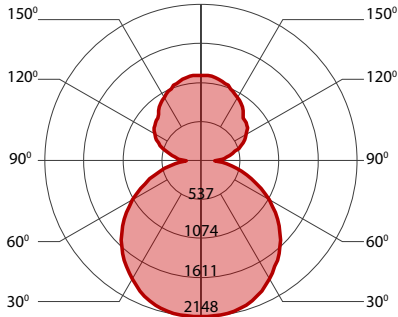
LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
High output	2700K	143.5	14000	2500	16500	115
High output	3000K	140	14000	2500	16500	118
High output	3500K	135	14000	2500	16500	122
High output	4000K	131	14000	2500	16500	126

# POP CORE SQUARE 4x4 LED

## PENDANT DIRECT/INDIRECT

### PERFORMANCE AT INDIRECT 3500 LUMEN

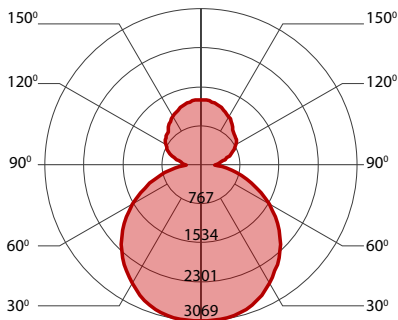
#### 7000 LUMEN AT 80CRI - LOW OUTPUT



#### PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Low output	2700K	89	7000	3500	10500	118
Low output	3000K	87	7000	3500	10500	121
Low output	3500K	84	7000	3500	10500	125
Low output	4000K	81.5	7000	3500	10500	129

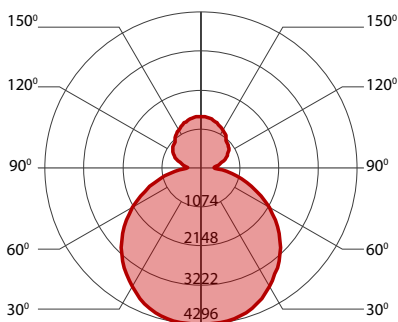
#### 10000 LUMEN AT 80CRI - MEDIUM OUTPUT



#### PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Medium output	2700K	115.5	10000	3500	13500	117
Medium output	3000K	112.5	10000	3500	13500	120
Medium output	3500K	110	10000	3500	13500	123
Medium output	4000K	106.5	10000	3500	13500	127

#### 14000 LUMEN AT 80CRI - HIGH OUTPUT



#### PERFORMANCE

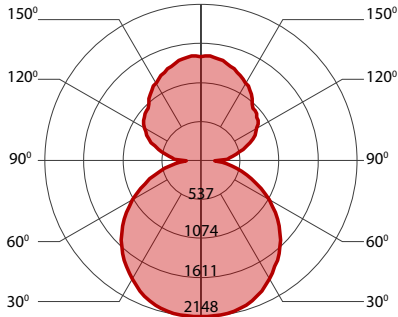
LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
High output	2700K	153.5	14000	3500	17500	114
High output	3000K	149.5	14000	3500	17500	117
High output	3500K	144.5	14000	3500	17500	121
High output	4000K	140	14000	3500	17500	125

# POP CORE SQUARE 4x4 LED

## PENDANT DIRECT/INDIRECT

### PERFORMANCE AT INDIRECT 4500 LUMEN

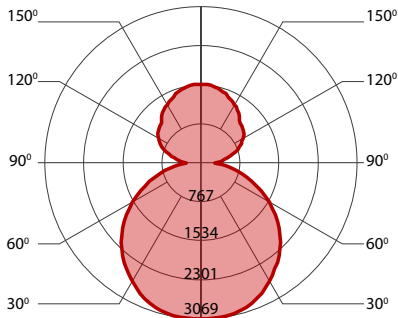
#### 7000 LUMEN AT 80CRI - LOW OUTPUT



#### PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Low output	2700K	99	7000	4500	11500	116
Low output	3000K	96.5	7000	4500	11500	119
Low output	3500K	93.5	7000	4500	11500	123
Low output	4000K	90.5	7000	4500	11500	127

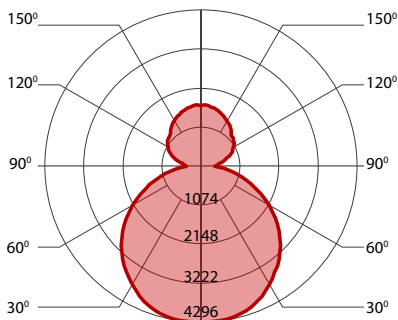
#### 10000 LUMEN AT 80CRI - MEDIUM OUTPUT



#### PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Medium output	2700K	125	10000	4500	14500	116
Medium output	3000K	123	10000	4500	14500	118
Medium output	3500K	119	10000	4500	14500	122
Medium output	4000K	115	10000	4500	14500	126

#### 14000 LUMEN AT 80CRI - HIGH OUTPUT



#### PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
High output	2700K	162.5	14000	4500	18500	114
High output	3000K	159.5	14000	4500	18500	116
High output	3500K	154	14000	4500	18500	120
High output	4000K	149	14000	4500	18500	124