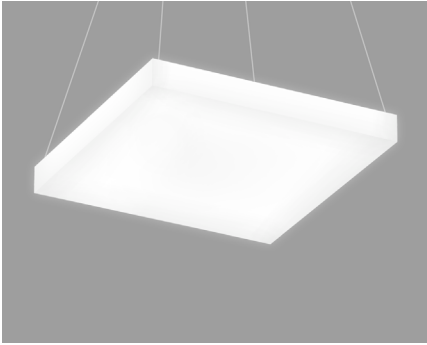
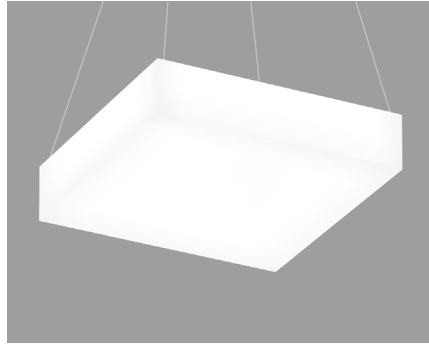


# POP CORE SQUARE 2x2 LED

## PENDANT DIRECT/INDIRECT



Shown with 2.5" optic



Shown with 5" optic

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

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

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



### DESCRIPTION

**POP Core** features a simple, uniformly luminous diffuser and delivers up to 124 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.

### ORDER GUIDE

**up to 124 lm/W performance**

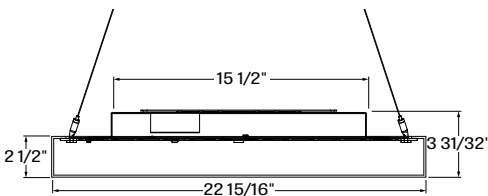
POSQPDI	2FTX2FT	ULO	HEIGHT	SW	CRI	DIRECT LUMEN PACKAGE
<b>LUMINAIRE ID</b>	<b>SIZE</b>	<b>OPTIC</b>	<b>HEIGHT</b>	<b>LIGHT SOURCE</b>	<b>CRI</b>	<b>DIRECT LUMEN PACKAGE</b>
POSQPDI - Pop Square Pendant Direct/Indirect	2FTX2FT - 2' X 2'	ULO - Uniform Lambertian Optic	2H - 2.5" optic 5H - 5" optic	SW - Static white	80 - 80CRI 90 - 90CRI	2500 - Min. low output 2500lm 3500 - Medium output 3500lm 4500 - Max. high output 4500lm #### - Other required lm

INDIRECT LUMEN PACKAGE	COLOR TEMP.	VOLTAGE	DRIVER	ELECTRICAL	5SWAC36 MOUNTING
900 - Min. medium output 900lm 1100 - Max. high output 1100lm #### - 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 +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>

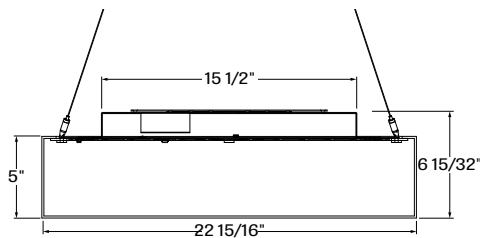
See page 3 for ordering code detailed information

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

### CROSS SECTION



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

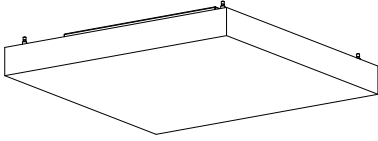


POSQPDI + 5H - Pop Square Pendant Direct/Indirect with 5" optic

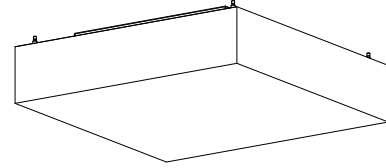
# POP CORE SQUARE 2x2 LED

## PENDANT DIRECT/INDIRECT

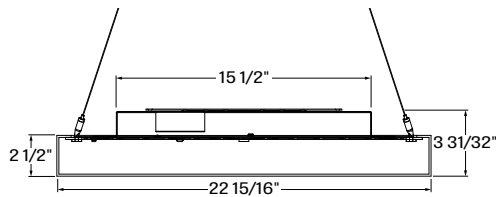
### POP SQUARE 2H - 2.5" OPTIC



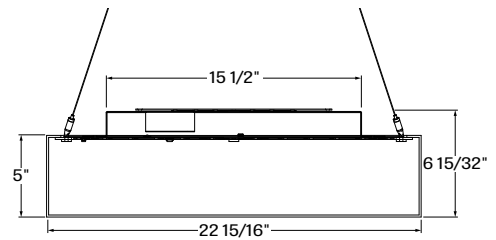
### POP SQUARE 5H - 5" OPTIC



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



**POSQPDI + 5H** - Pop Square Pendant with 5" optic



# POP CORE SQUARE 2x2 LED

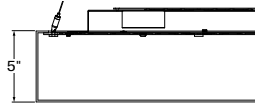
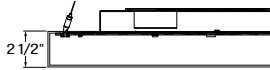
## PENDANT DIRECT/INDIRECT

### 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.

### OPTICS HEIGHT

Pop Square Pendant 22 is available with both 2.5" and 5" diffuser.



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

**POSQPDI + 5H** - Pop Square Pendant Direct/Indirect with 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 (1100 Lumens)

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Low output	4000K	29	2500	1100	3600	124
Medium output	4000K	38.5	3500	1100	4600	120
High output	4000K	46.5	4500	1100	5600	120

#### Medium Indirect Output (900 Lumens)

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Low output	4000K	27.5	2500	900	3400	124
Medium output	4000K	36.5	3500	900	4400	120
High output	4000K	45	4500	900	5400	120

### ELECTRICAL

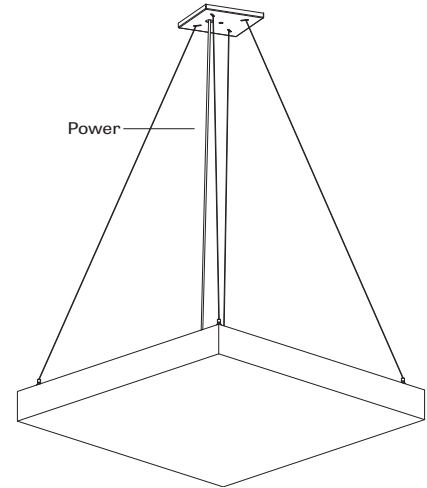
Factory-set, adjustable output current LED driver with universal (120-277VAC) input. Dimmable from 100% to 1% with 0-10V dimming control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. At maximum driver load: Efficiency > 84%, PF > 0.9, THD < 20%.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

### 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.

### CONSTRUCTION

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

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

### WEIGHT

**SQ 22 X 2.5** - 15.68lbs - 7.12kg

**SQ 22 X 5** - 16.88lbs - 7.67kg

### CERTIFICATIONS

**ETL** - Rated for Indoor Dry/Damp locations.

Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

# POP CORE SQUARE 2x2 LED

## PENDANT DIRECT/INDIRECT

### WARRANTY

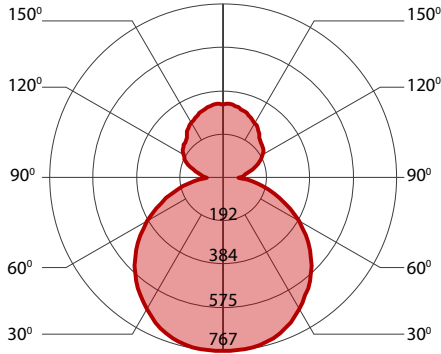
Lumenwerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated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

# POP CORE SQUARE 2x2 LED

## PENDANT DIRECT/INDIRECT

### PERFORMANCE AT INDIRECT 900 LUMEN

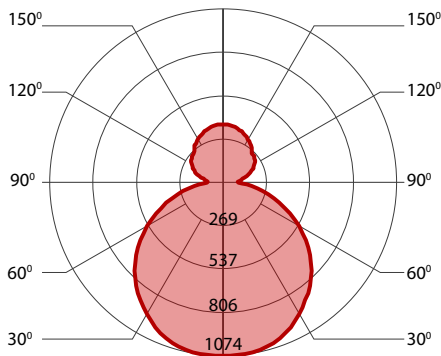
#### 2500 LUMEN AT 80CRI - LOW OUTPUT



#### PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Low output	2700K	30	2500	900	3400	114
Low output	3000K	29	2500	900	3400	117
Low output	3500K	28	2500	900	3400	121
Low output	4000K	27.5	2500	900	3400	124

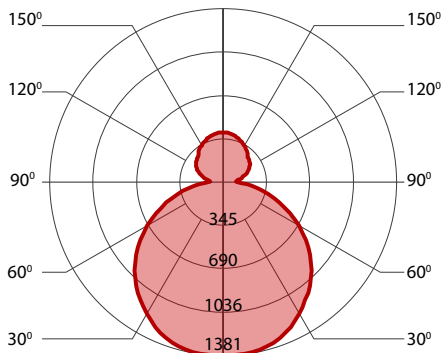
#### 3500 LUMEN AT 80CRI - MEDIUM OUTPUT



#### PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Medium output	2700K	39.5	3500	900	4400	111
Medium output	3000K	39	3500	900	4400	113
Medium output	3500K	37.5	3500	900	4400	117
Medium output	4000K	36.5	3500	900	4400	120

#### 4500 LUMEN AT 80CRI - HIGH OUTPUT



#### PERFORMANCE

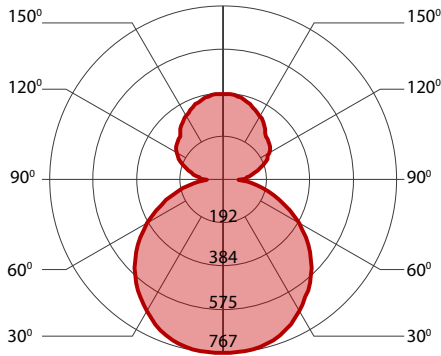
LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
High output	2700K	49	4500	900	5400	110
High output	3000K	48	4500	900	5400	112
High output	3500K	46.5	4500	900	5400	116
High output	4000K	45	4500	900	5400	120

# POP CORE SQUARE 2x2 LED

## PENDANT DIRECT/INDIRECT

### PERFORMANCE AT INDIRECT 1100 LUMEN

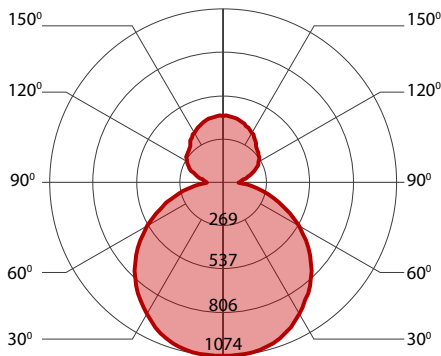
#### 2500 LUMEN AT 80CRI - LOW OUTPUT



#### PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Low output	2700K	31.5	2500	1100	3600	114
Low output	3000K	31	2500	1100	3600	116
Low output	3500K	30	2500	1100	3600	120
Low output	4000K	29	2500	1100	3600	124

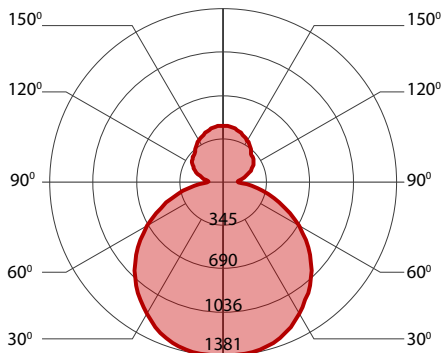
#### 3500 LUMEN AT 80CRI - MEDIUM OUTPUT



#### PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Medium output	2700K	42	3500	1100	4600	110
Medium output	3000K	40.5	3500	1100	4600	113
Medium output	3500K	39.5	3500	1100	4600	116
Medium output	4000K	38.5	3500	1100	4600	120

#### 4500 LUMEN AT 80CRI - HIGH OUTPUT



#### PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
High output	2700K	51	4500	1100	5600	110
High output	3000K	50	4500	1100	5600	112
High output	3500K	48.5	4500	1100	5600	116
High output	4000K	46.5	4500	1100	5600	120