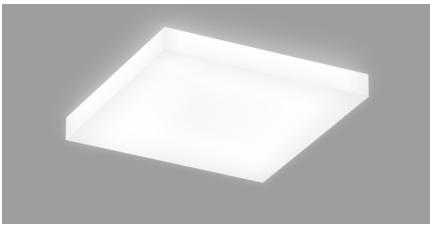
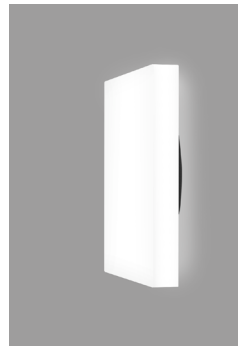


# POP CORE SQUARE 2x2 LED

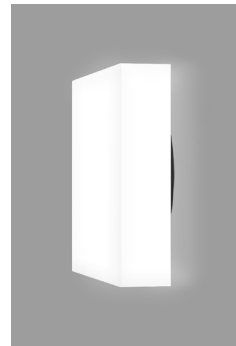
## SURFACE-WALL



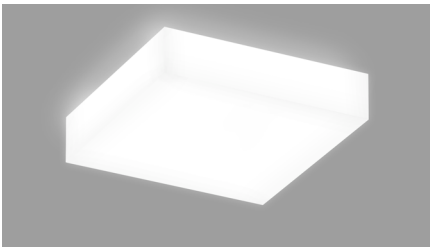
Surface with 2.5" optic



Wall with 2.5" optic



Wall with 5" optic



Surface with 5" optic

PROJECT: \_\_\_\_\_  
 TYPE: \_\_\_\_\_  
 NOTES: \_\_\_\_\_



### DESCRIPTION

**POP Core** features a simple, uniformly luminous diffuser and delivers up to 114 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. Pop Core 2H, meets ADA requirements for wall mounting.



### ORDER GUIDE

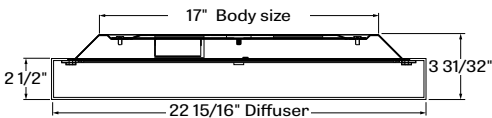
up to 114 lm/W performance

POSQS	2FTX2FT	ULO		SW		
LUMINAIRE ID	SIZE	OPTIC	HEIGHT	LIGHT SOURCE	CRI	LUMEN PACKAGE
POSQS - Pop Square Surface-Wall	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

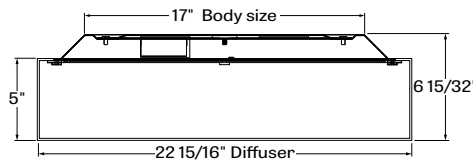
				SUR		
COLOR TEMP.	VOLTAGE	DRIVER	ELECTRICAL	MOUNTING	FINISH	OPTIONS
27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K	120 - 120V 277 - 277V UNV - 120V-277V 347 - 347V	D1 - 1% 0-10V DA - DALI LDE1 - Lutron Hi-lume 1% Eco	1 - 1 circuit +GTD - Generator transfer device	SUR - Surface mount	W - Matte white CF# - Custom finish specify RAL#	FU120 - Fuse 120V FU277 - Fuse 277V

See page 3 for ordering code detailed information

### CROSS SECTION



POPSQS + 2H - Pop Square Surface-Wall with 2.5" optic

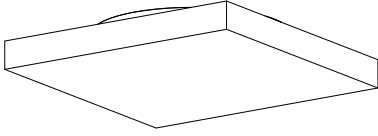


POPSQS + 5H - Pop Square Surface-Wall with 5" optic

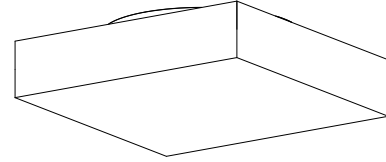
# POP CORE SQUARE 2x2 LED

## SURFACE-WALL

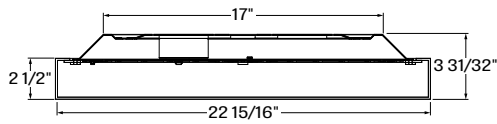
### POP SQUARE 2H - 2.5" OPTIC



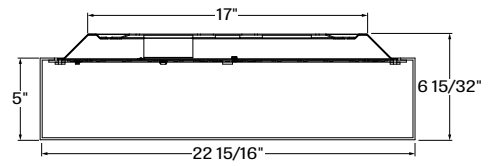
### POP SQUARE 5H - 5" OPTIC



**POSQS + 2H** - Pop Square Surface-Wall with 2.5" optic



**POSQS + 5H** - Pop Square Surface-Wall with 5" optic



# POP CORE SQUARE 2x2 LED

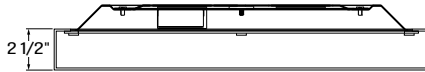
## SURFACE-WALL

### OPTIC

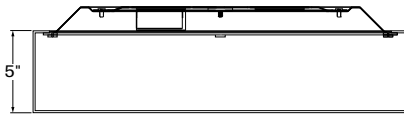
**Uniform Efficiency Lambertian Optic (ULO)** - Made of formed impact modified white PMMA, the optic provides an even light distribution with up to 88% transmission. Its unique enclosed shell design protects LEDs against Electrostatic Discharge and dust while its back surface project a soft glow on the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

### OPTICS HEIGHT

Pop Square Surface-Wall 22 is available with both 2.5" and 5" diffuser.



**POSQS + 2H** - Pop Square Surface-Wall with 2.5" optic



**POSQS + 5H** - Pop Square Surface-Wall 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

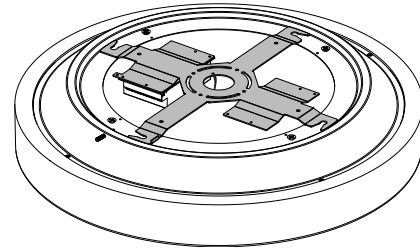
LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
Low output	4000K	22	2500	114
Medium output	4000K	32	3500	108
High output	4000K	42	4500	107

### 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

A Twist and lock mounting system for clean look with no visible fastener and easy maintenance.



**SUR** - Surface mount

### 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.

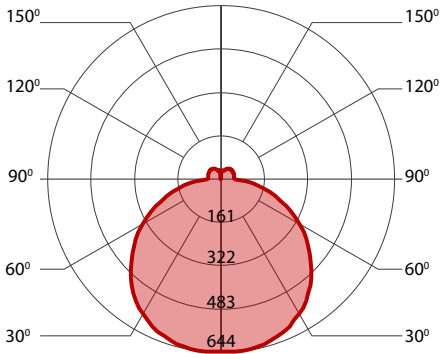
### WARRANTY

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

## SURFACE-WALL

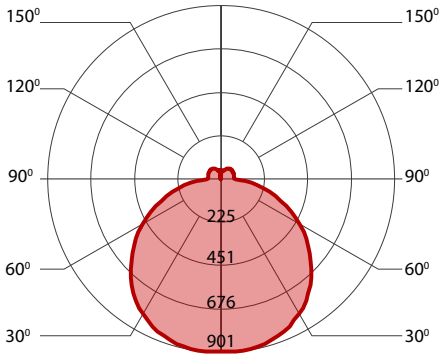
### 2500 LUMEN AT 80CRI - LOW OUTPUT



#### PERFORMANCE

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
Low output	2700K	24	2500	105
Low output	3000K	23.5	2500	107
Low output	3500K	22.5	2500	110
Low output	4000K	22	2500	114

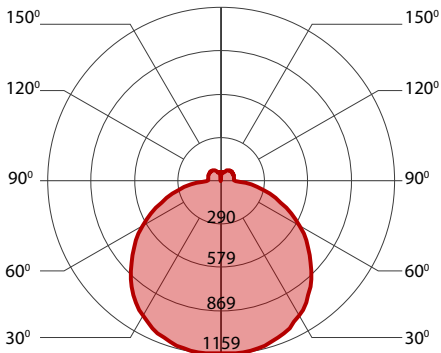
### 3500 LUMEN AT 80CRI - MEDIUM OUTPUT



#### PERFORMANCE

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
Medium output	2700K	35.5	3500	99
Medium output	3000K	34.5	3500	101
Medium output	3500K	33.5	3500	105
Medium output	4000K	32	3500	108

### 4500 LUMEN AT 80CRI - HIGH OUTPUT



#### PERFORMANCE

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
High output	2700K	46	4500	98
High output	3000K	45	4500	100
High output	3500K	43.5	4500	104
High output	4000K	42	4500	107