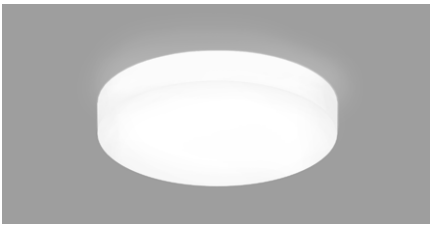


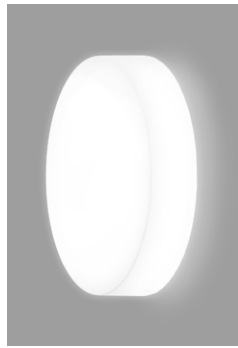
# POP CORE ROUND 24 LED



## SURFACE-WALL



Surface with 3.5" optic



Wall with 5" optic



Wall with 3.5" optic



Surface with 5" optic

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

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

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

### DESCRIPTION

**POP Core** features a simple, uniformly luminous diffuser and delivers up to 110 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

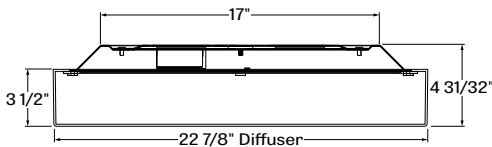
up to 110 lm/W performance

POROS	24IN	ULO		LED		
LUMINAIRE ID	SIZE	OPTIC	HEIGHT	LIGHT SOURCE	CRI	LUMEN PACKAGE
POROS - Pop Round Surface-Wall	24IN - Ø 24"	ULO - Uniform Lambertian Optic	3H - 3.5" optic 5H - 5" optic	LED - High performance LED	80 - 80CRI 90 - 90CRI	2500 - Min. low output 2500lm 3500 - Medium output 3500lm 4500 - Max. high output 4500lm #### - Other required lm

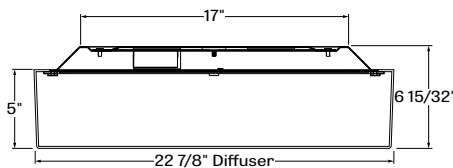
				SUR		
COLOR TEMP.	VOLTAGE	DRIVER	ELECTRICAL	MOUNTING	FINISH	OPTION
27 - 2700K	120 - 120V	D1 - 1% 0-10V	1 - 1 circuit	SUR - Surface mount	W - Matte white	FU - Fuse
30 - 3000K	277 - 277V	DA - DALI	+GTD - Generator transfer device		CF# - Custom finish specify RAL#	
35 - 3500K	UNV - 120V-277V	LDE1 - Lutron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

See page 3 for ordering code detailed information

### CROSS SECTION



POROS + 3H - Pop Round Surface-Wall with 3.5" optic

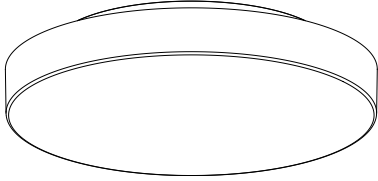


POROS + 5H - Pop Round Surface-Wall with 5" optic

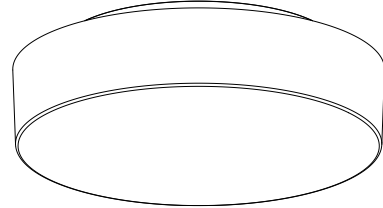
# POP CORE ROUND 24 LED

## SURFACE-WALL

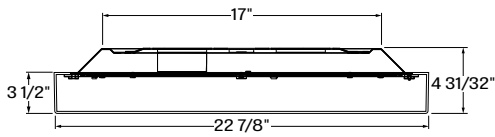
### POP ROUND 3H - 3.5" OPTIC



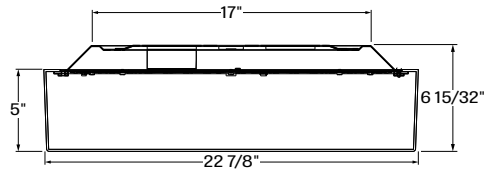
### POP ROUND 5H - 5\"/>



#### POROS + 3H - Pop Round Surface-Wall with 3.5\"/>



#### POROS + 5H - Pop Round Surface-Wall with 5\"/>



# POP CORE ROUND 24 LED

## SURFACE-WALL

### OPTIC

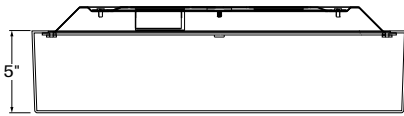
**Uniform Efficiency Lambertian Optic (ULO)** - Made of formed impact modified white PMMA, the optic provides an even light distribution with up to 88% transmission. Its unique enclosed shell design protects LEDs against Electrostatic Discharge and dust while its back surface project a soft glow on the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

### OPTICS HEIGHT

Pop Round Surface-Wall 24 is available with both 3.5" and 5" diffuser.



**POROS + 3H** - Pop Round Surface-Wall with 3.5" optic



**POROS + 5H** - Pop Round 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

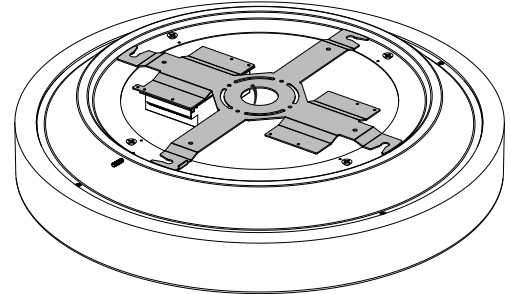
LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
Low output	4000K	22.5	2500	110
Medium output	4000K	32.5	3500	107
High output	4000K	43.5	4500	103

### 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 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, thermoformed impact modified acrylic, completely enclosed

### WEIGHT

**RD 24 X 3.5** - 13.42lbs - 6.1kg

**RD 24 X 5** - 14.32lbs - 6.51kg

### CERTIFICATIONS

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

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

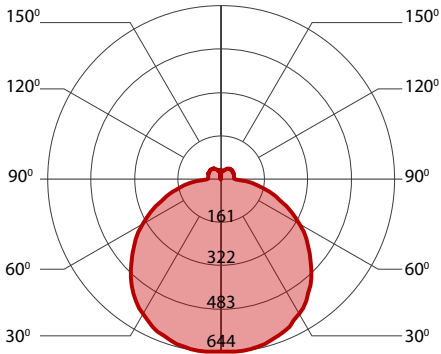
### WARRANTY

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 ROUND 24 LED

## SURFACE-WALL

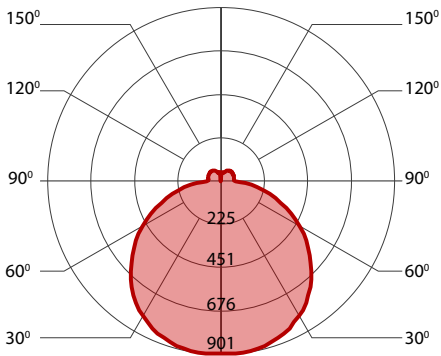
### 2500 LUMEN AT 80CRI - LOW OUTPUT



#### PERFORMANCE

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
Low output	2700K	25	2500	101
Low output	3000K	24.5	2500	103
Low output	3500K	23.5	2500	106
Low output	4000K	22.5	2500	110

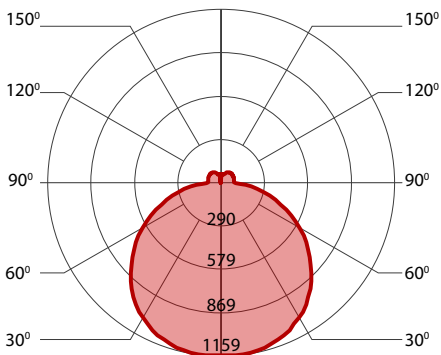
### 3500 LUMEN AT 80CRI - MEDIUM OUTPUT



#### PERFORMANCE

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
Medium output	2700K	35.5	3500	98
Medium output	3000K	35	3500	100
Medium output	3500K	33.5	3500	104
Medium output	4000K	32.5	3500	107

### 4500 LUMEN AT 80CRI - HIGH OUTPUT



#### PERFORMANCE

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
High output	2700K	47.5	4500	95
High output	3000K	46.5	4500	97
High output	3500K	45	4500	100
High output	4000K	43.5	4500	103