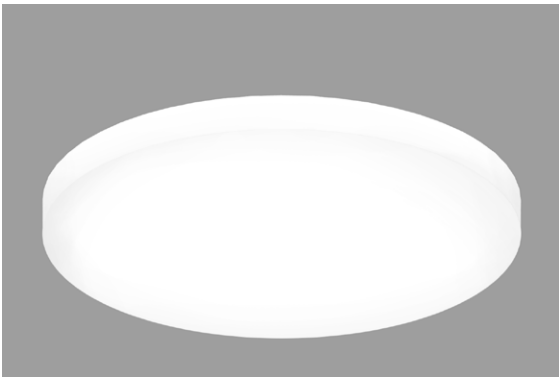


# POP CORE ROUND 48 LED



LUMENWERX  
WWW.LUMENWERX.COM

## SURFACE



Surface with 2.5" 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. Gentle spill light relieves shadows on the surrounding surface.

## ORDER GUIDE

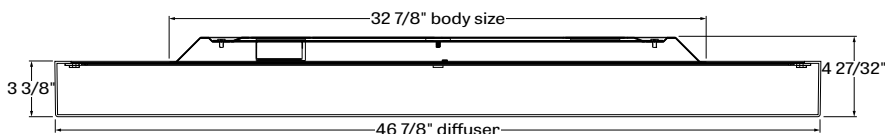
up to 114 lm/W performance

POROS	48IN	ULO	3H	LED		
LUMINAIRE ID	SIZE	OPTIC	HEIGHT	LIGHT SOURCE	CRI	LUMEN PACKAGE
POROS - Pop Round Surface	48IN - Ø 48"	ULO - Uniform Lambertian Optic	3H - 3.5" optic	LED - High performance LED	80 - 80CRI 90 - 90CRI	7000 - Min. low output 7000lm 10000 - Medium output 10000lm 14000 - Max. high output 14000lm #### - Other required lm

COLOR TEMP.	VOLTAGE	DRIVER	ELECTRICAL	SUR		
				MOUNTING	FINISH	OPTION
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 +EB - Emergency battery pack +GTD - Generator transfer device	SUR - Surface mount	W - Matte white CF# - Custom finish specify RAL#	FU - Fuse

See page 3 for ordering code detailed information

## CROSS SECTION

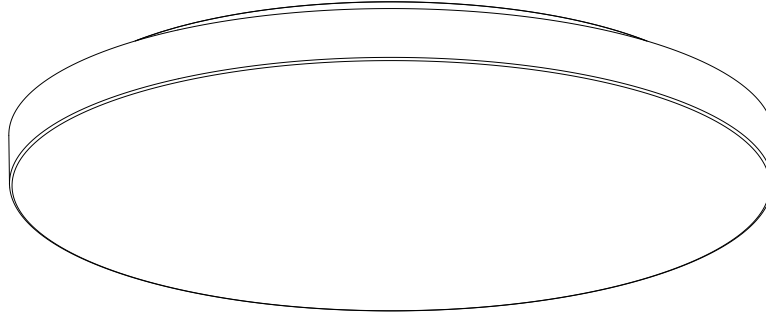


POROS + 3H - Pop Round Surface with 3.5" optic

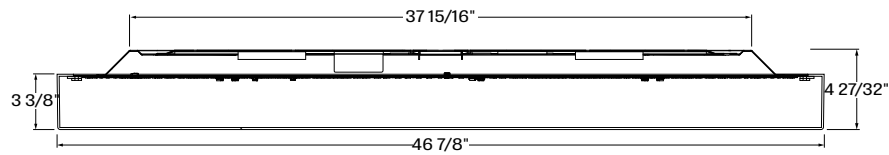
# POP CORE ROUND 48 LED

## SURFACE

### POP ROUND 3H - 3.5" OPTIC



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



# POP CORE ROUND 48 LED

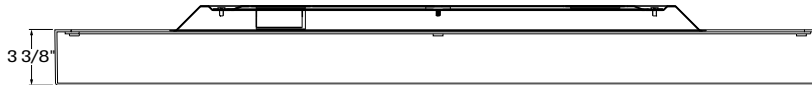
## SURFACE

### 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 Round Surface 48 is available with 3.5" diffuser.



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

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
Low output	4000K	61.5	7000	114
Medium output	4000K	90	10000	111
High output	4000K	128.5	14000	109

### ELECTRICAL

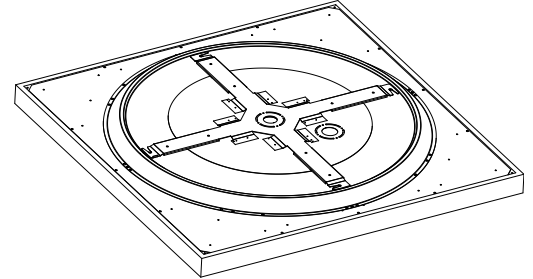
Factory-set, adjustable output current LED driver with universal (120-277VAC) input. Dimmable from 100% to 1% with 0-10V dimming control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other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

### 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

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 48 X 2.5** - 35.1lbs - 15.94kg

### CERTIFICATIONS

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

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

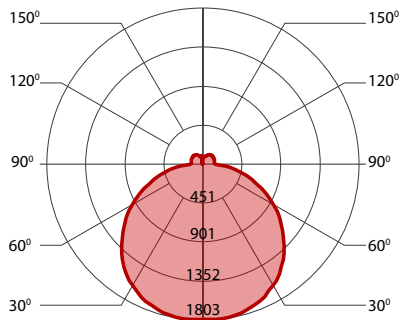
### WARRANTY

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 48 LED

## SURFACE

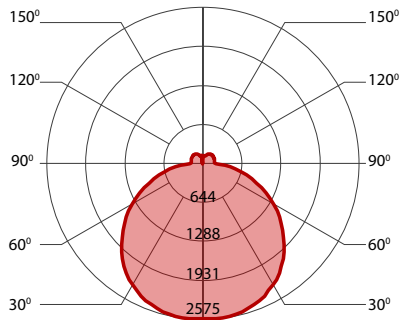
### 7000 LUMEN AT 80CRI - LOW OUTPUT



#### PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
Low output	2700K	66.5	7000	105
Low output	3000K	65.5	7000	107
Low output	3500K	63.5	7000	110
Low output	4000K	61.5	7000	114

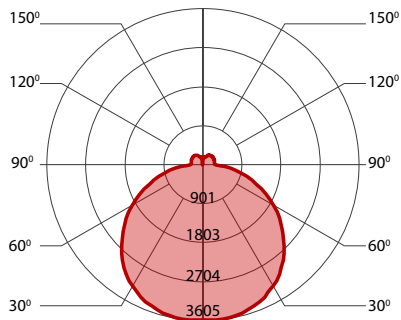
### 10000 LUMEN AT 80CRI - MEDIUM OUTPUT



#### PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
Medium output	2700K	98	10000	102
Medium output	3000K	96	10000	104
Medium output	3500K	93.5	10000	107
Medium output	4000K	90	10000	111

### 14000 LUMEN AT 80CRI - HIGH OUTPUT



#### PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
High output	2700K	140	14000	100
High output	3000K	137	14000	102
High output	3500K	132	14000	106
High output	4000K	128.5	14000	109