

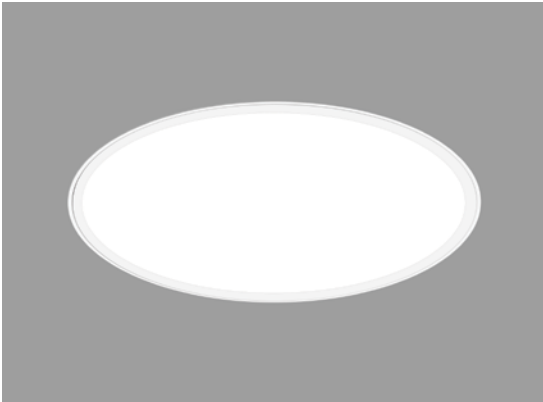
POP RECESSED

ROUND 48
STATIC WHITE

LUMENWERX

Project: _____

Type: _____



Flush lens

DESCRIPTION

POP Recessed features a uniformly luminous diffuser that sits flush with the ceiling. 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 Recessed delivers up to 112 LPW and installs in gypsum board ceilings.



IC RATED

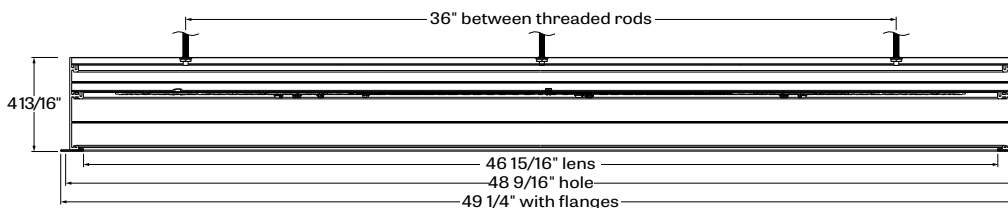
Up to 112 lm/W performance

ORDER GUIDE

LUMINAIRE ID	SIZE	OPTICS	LENS	LIGHT SOURCE	CRI	LUMEN PACKAGES
POROR	48	ULO	FH			
POROR - Pop Round Recessed	48 - 48" diameter	ULO - Uniform Lambertian Optic	FH - Flush	SW - Static white	80 - 80CRI 90 - 90CRI (consult factory)	7000 - Min. low output 7000lm 10000 - Medium output 10000lm 14000 - Max. high output 14000lm #### - Other required lm

COLOR TEMP.	VOLTAGE	DRIVER ¹	ELECTRICAL	MOUNTING	FINISH	OPTIONS
				DF		
27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K	120 - 120V 277 - 277V UNV - 120V-277V 347 - 347V	D1 - 1% dimming 0-10V DA ² - DALI LTEA2W - Lutron 1% - 2 wire FP 120V LDE1 ² - Lutron Hi-lume 1% Eco LDE5 ² - Lutron 5% EcoSystem ELD1 - eldoLED 1% ECOdrive ELD0 - eldoLED 0.1% SOLOdrive ¹ PoE (Power-over-Ethernet) compatible. Consult factory for details. ² On-site commissioning is required.	1 - 1 circuit +EB - Emergency battery pack +GTD - Generator transfer device	DF - Drywall kit	W - Matte white	FU - Fuse CP - Chicago Plenum NA - None

CROSS SECTION



POROR + FH - pop drop round recessed with flush lens

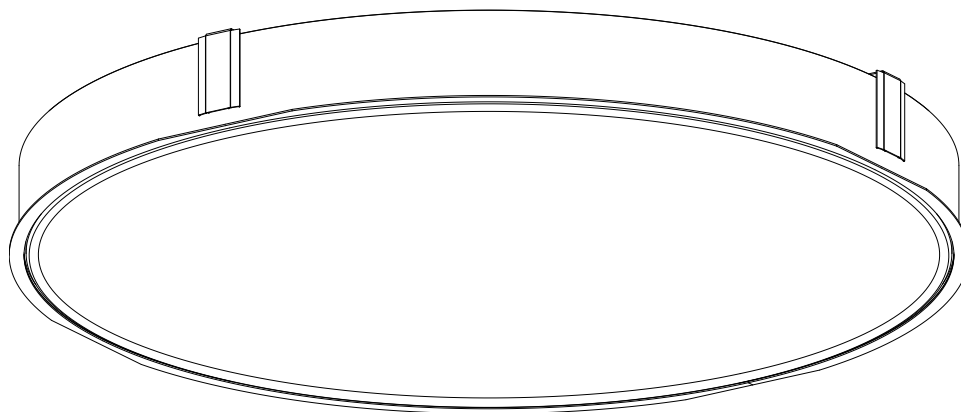
POP RECESSED

ROUND 48

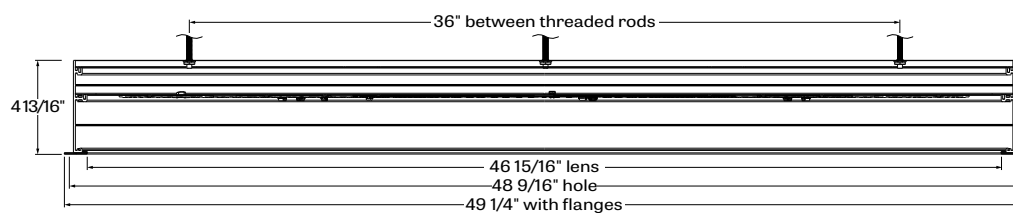
STATIC WHITE

LUMENWERX

RECESSED FH - FLUSH



POROR - DF - drywall kit



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ROUND 48

STATIC WHITE

OPTICS

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.

LIGHT SOURCE - STATIC WHITE

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	62.5	7000	112
Medium output	4000K	91.5	10000	109
High output	4000K	131	14000	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 Lutron Hi-Lume 1% (specify 2-wire, or Ecosystem Dim-to-Off), Lutron 5-Series (5% Ecosystem), eldoLED 1% ECOdrive, eldoLED 0.1% SOLOdrive, and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant.

PoE

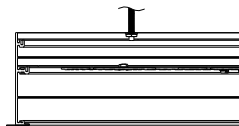
Depending on the PoE manufacturer selected, Lumenwerx will install the node in factory as either integral to the luminaire or as a remote module. Factory programming of the PoE node may or may not enable the following functionalities: lumen package, Duo (tunable white), emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

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 separate kit for mounting fixtures into drywall ceilings.



DF - drywall kit

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 Flush - 53.58lbs - 24.33kg

CERTIFICATIONS

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

Chicago plenum - City of Chicago Approved (CCEA)

IC rated - suitable for direct contact with insulation.

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.

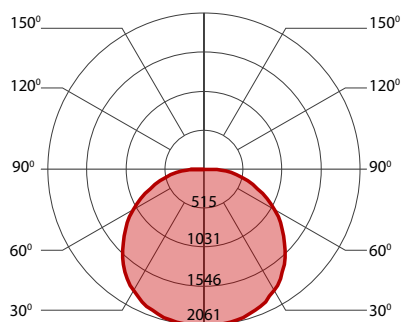
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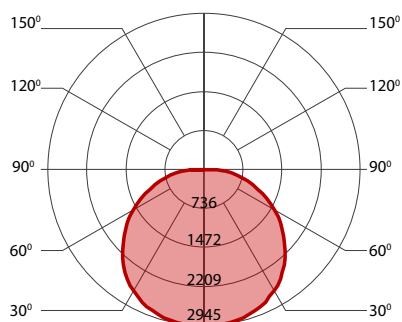
7000 LUMEN AT 80CRI - LOW OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
Low output	2700K	68	7000	103
Low output	3000K	66.5	7000	105
Low output	3500K	65	7000	108
Low output	4000K	62.5	7000	112

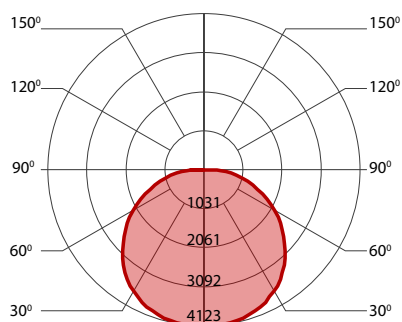
10000 LUMEN AT 80CRI - MEDIUM OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
Medium output	2700K	100	10000	100
Medium output	3000K	98	10000	102
Medium output	3500K	94.5	10000	106
Medium output	4000K	91.5	10000	109

14000 LUMEN AT 80CRI - HIGH OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
High output	2700K	143	14000	98
High output	3000K	140	14000	100
High output	3500K	134.5	14000	104
High output	4000K	131	14000	107