

POP CORE ROUND 48 LED



LUMENWERX
WWW.LUMENWERX.COM

PENDANT DIRECT/INDIRECT



Shown with 3.5" optic

DESCRIPTION

POP Core features a simple, uniformly luminous diffuser and delivers up to 128 LPW. The diffuser and light engine form a fully enclosed unit with no exposed hardware.

PROJECT: _____

TYPE: _____

NOTES: _____

ORDER GUIDE

up to 128 lm/W performance

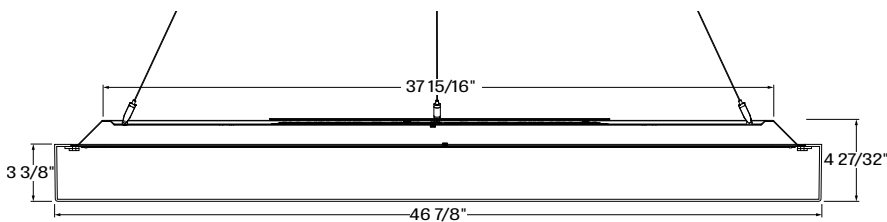
POROPDI	48IN	ULO	3H	LED		
LUMINAIRE ID	SIZE	OPTIC	HEIGHT	LIGHT SOURCE	CRI	DIRECT LUMEN PACKAGE
POROPDI - Pop Round Pendant Direct/Indirect	48IN - Ø 48"	ULO - Uniform Lambertian Optic	3H - 3.5" optic	LED - High performance LED	80 - 80CRI 90 - 90CRI	7000 - Min. low output 7000lm 10000 - Medium output 10000lm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

INDIRECT LUMEN PACKAGE	COLOR TEMP.	VOLTAGE	DRIVER	ELECTRICAL	5WAC36 MOUNTING
2500 - Min. low output 2500lm 3500 - Medium output 3500lm 4500 - Max. high output 4500lm #### - 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 +EB - Emergency battery pack +GTD - Generator transfer device	5WAC36 - Power 5" white canopy (36" aircraft cable) For all other options refer to our Pendant Mounting Guide

See page 3 for ordering code detailed information

FINISH	OPTION
W - Matte white CF# - Custom finish specify RAL#	FU - Fuse

CROSS SECTION

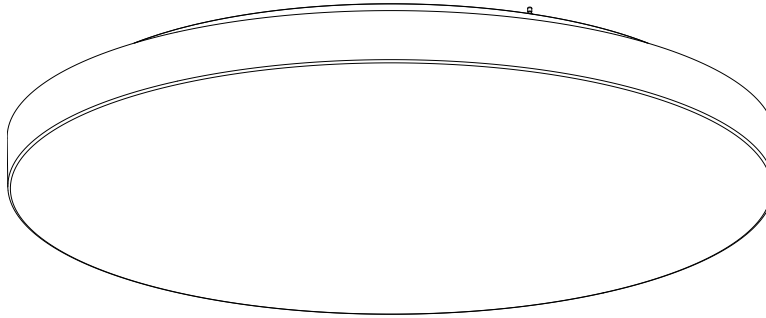


POROPDI + 3H - Pop Round Pendant Direct/Indirect with 3.5" optic

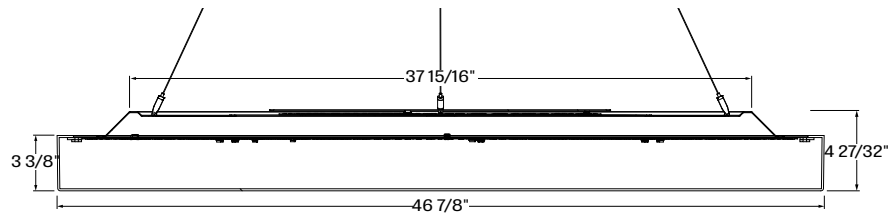
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POP ROUND 3H - 3.5" OPTIC



POROPDI + 3H - Pop Round Pendant with 3.5" optic



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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 Pendant 48 is available with 3.5" diffuser.



POROPDI + 3H - Pop Round Pendant Direct/Indirect 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.

PERFORMANCE AT 4000K

High Indirect Output (4500 Lumens)

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Low output	4000K	92.5	7000	4500	11500	124
Medium output	4000K	118	10000	4500	14500	123
High output	4000K	151.5	14000	4500	18500	122

Medium Indirect Output (3500 Lumens)

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Low output	4000K	83.5	7000	3500	10500	126
Medium output	4000K	109	10000	3500	13500	124
High output	4000K	142.5	14000	3500	17500	123

Low Indirect Output (2500 Lumens)

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Low output	4000K	74	7000	2500	9500	128
Medium output	4000K	99	10000	2500	12500	126
High output	4000K	133	14000	2500	16500	124

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

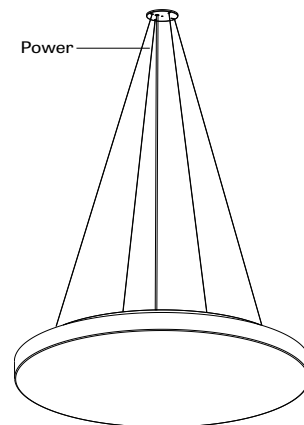
Factory installed long life high temperature recyclable Ni-Cad battery pack with test switch and charge indicator, minimum of 90 minutes operation, up to 1300 lumens (25°C) emergency lighting output. Recharge time of 24 hours.

MOUNTING OPTIONS

Fixtures are pendant-mounted, using aircraft cables. Unless otherwise specified, Lumenwerx provides the following hardware:

For cable-mounted fixtures - 5WAC36, 5" 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.

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CONSTRUCTION

Housing - 16 gauge spun aluminum, matte white powder coating

Diffuser - Uniform Lambertian Optic, thermoformed impact modified acrylic, completely enclosed

WEIGHT

RD 48 X 3.5 - 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

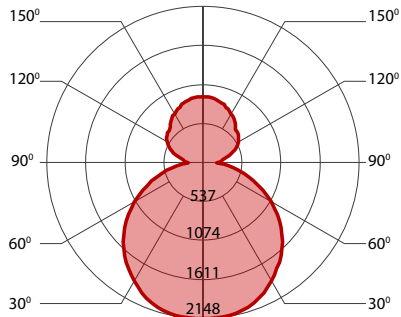
Lumenwerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated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

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PENDANT DIRECT/INDIRECT

PERFORMANCE AT INDIRECT 2500 LUMEN

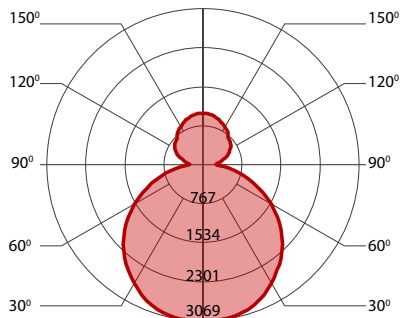
7000 LUMEN AT 80CRI - LOW OUTPUT



PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Low output	2700K	80.5	7000	2500	9500	118
Low output	3000K	79	7000	2500	9500	120
Low output	3500K	76.5	7000	2500	9500	124
Low output	4000K	74	7000	2500	9500	128

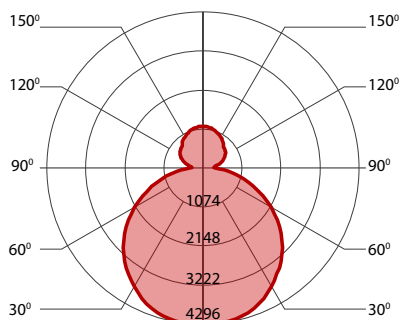
10000 LUMEN AT 80CRI - MEDIUM OUTPUT



PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Medium output	2700K	108	10000	2500	12500	116
Medium output	3000K	106	10000	2500	12500	118
Medium output	3500K	102.5	10000	2500	12500	122
Medium output	4000K	99	10000	2500	12500	126

14000 LUMEN AT 80CRI - HIGH OUTPUT



PERFORMANCE

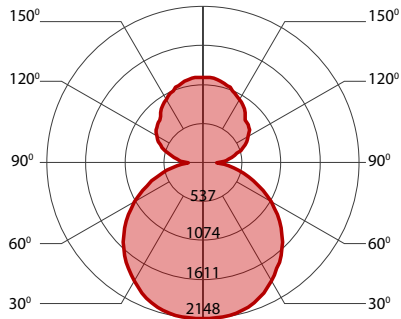
LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
High output	2700K	144.5	14000	2500	16500	114
High output	3000K	142	14000	2500	16500	116
High output	3500K	137.5	14000	2500	16500	120
High output	4000K	133	14000	2500	16500	124

POP CORE ROUND 48 LED

PENDANT DIRECT/INDIRECT

PERFORMANCE AT INDIRECT 3500 LUMEN

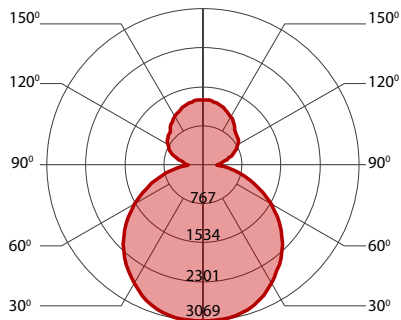
7000 LUMEN AT 80CRI - LOW OUTPUT



PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Low output	2700K	90.5	7000	3500	10500	116
Low output	3000K	89	7000	3500	10500	118
Low output	3500K	86	7000	3500	10500	122
Low output	4000K	83.5	7000	3500	10500	126

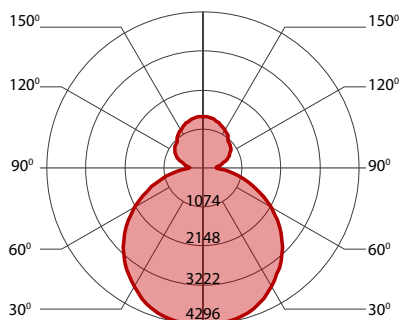
10000 LUMEN AT 80CRI - MEDIUM OUTPUT



PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Medium output	2700K	118.5	10000	3500	13500	114
Medium output	3000K	115.5	10000	3500	13500	117
Medium output	3500K	112.5	10000	3500	13500	120
Medium output	4000K	109	10000	3500	13500	124

14000 LUMEN AT 80CRI - HIGH OUTPUT



PERFORMANCE

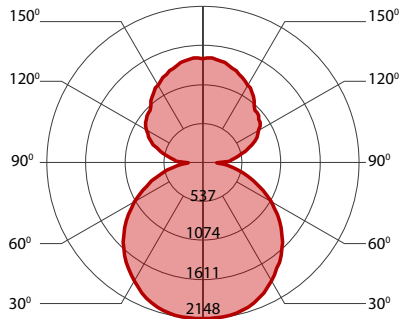
LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
High output	2700K	155	14000	3500	17500	113
High output	3000K	152	14000	3500	17500	115
High output	3500K	147	14000	3500	17500	119
High output	4000K	142.5	14000	3500	17500	123

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PENDANT DIRECT/INDIRECT

PERFORMANCE AT INDIRECT 4500 LUMEN

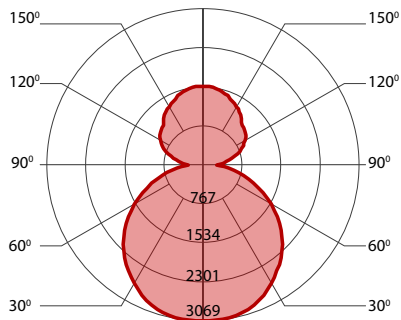
7000 LUMEN AT 80CRI - LOW OUTPUT



PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Low output	2700K	101	7000	4500	11500	114
Low output	3000K	98.5	7000	4500	11500	117
Low output	3500K	96	7000	4500	11500	120
Low output	4000K	92.5	7000	4500	11500	124

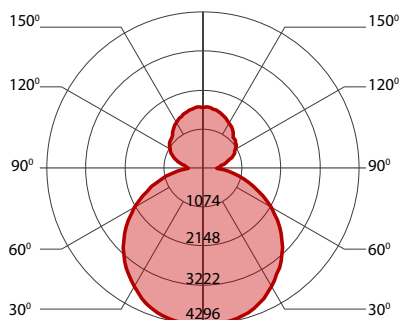
10000 LUMEN AT 80CRI - MEDIUM OUTPUT



PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Medium output	2700K	128.5	10000	4500	14500	113
Medium output	3000K	125	10000	4500	14500	116
Medium output	3500K	122	10000	4500	14500	119
Medium output	4000K	118	10000	4500	14500	123

14000 LUMEN AT 80CRI - HIGH OUTPUT



PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
High output	2700K	165	14000	4500	18500	112
High output	3000K	162.5	14000	4500	18500	114
High output	3500K	157	14000	4500	18500	118
High output	4000K	151.5	14000	4500	18500	122