

POP CORE ROUND 36 LED

PENDANT DIRECT/INDIRECT



Shown with 3.5" optic



Shown with 5" optic

PROJECT: _____

TYPE: _____

NOTES: _____



DESCRIPTION

POP Core features a simple, uniformly luminous diffuser and delivers up to 129 LPW. The diffuser and light engine form a fully enclosed unit with no exposed hardware.

ORDER GUIDE

up to 129 lm/W performance

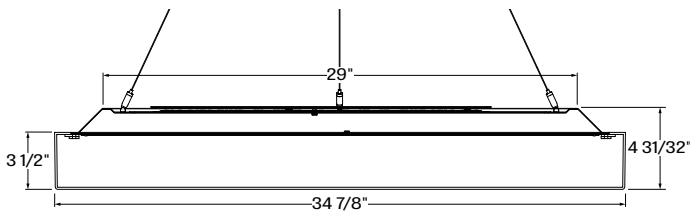
POROPDI	36IN	ULO		SW		
LUMINAIRE ID	SIZE	OPTIC	HEIGHT	LIGHT SOURCE	CRI	DIRECT LUMEN PACKAGE
POROPDI - Pop Round Pendant Direct/Indirect	36IN - Ø36"	ULO - Uniform Lambertian Optic	3H - 3.5" optic 5H - 5" optic	SW - Static white	80 - 80CRI 90 - 90CRI	4000 - Min. low output 4000lm 5500 - Medium output 5500lm 8000 - Max. high output 8000lm #### - Other required lm

					5WAC36
INDIRECT LUMEN PACKAGE	COLOR TEMP.	VOLTAGE	DRIVER	ELECTRICAL	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

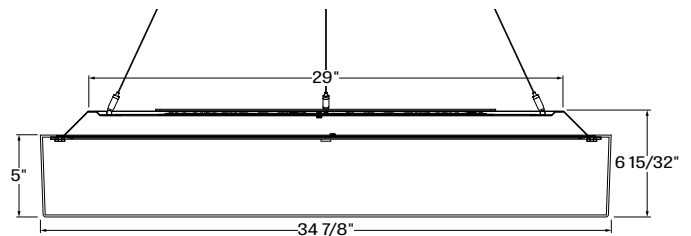
See page 3 for ordering code detailed information

FINISH	OPTIONS
W - Matte white CF# - Custom finish specify RAL#	FU120 - Fuse 120V FU277 - Fuse 277V

CROSS SECTION



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

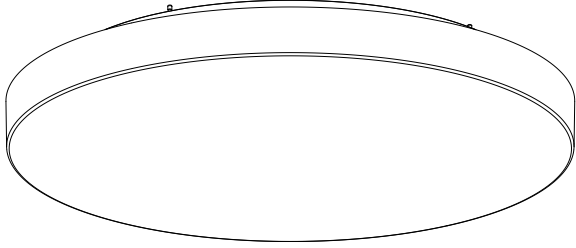


POROPDI + 5H - Pop Round Pendant Direct/Indirect with 5" optic

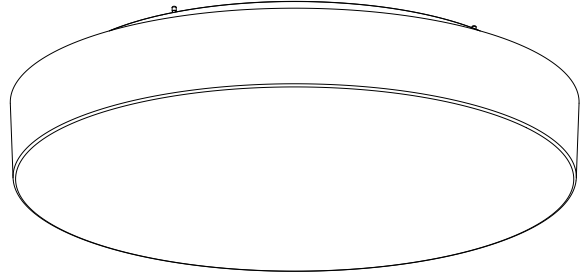
POP CORE ROUND 36 LED

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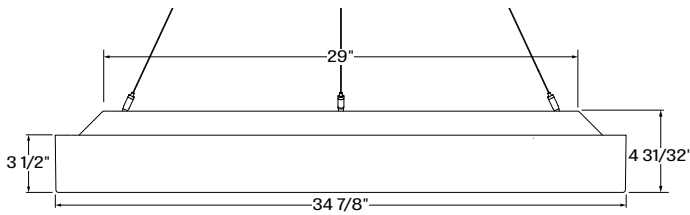
POP ROUND 3H - 3.5" OPTIC



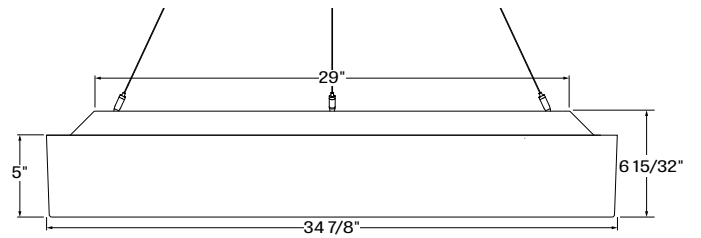
POP ROUND 5H - 5" OPTIC



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



POROPDI + 5H - Pop Round Pendant with 5" optic



POP CORE ROUND 36 LED

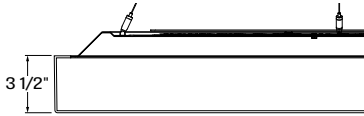
PENDANT DIRECT/INDIRECT

OPTIC

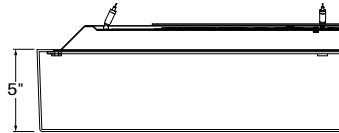
Uniform Efficiency Lambertian Optic (ULO) - Made of formed impact modified white PMMA, the optic provides an even light distribution with up to 88% transmission. Its unique enclosed shell design protects LEDs against Electrostatic Discharge and dust while its back surface project a soft glow on the mounting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

OPTICS HEIGHT

Pop Round Pendant 36 is available with both 3.5" and 5" diffuser.



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



POROPDI + 5H - Pop Round Pendant Direct/Indirect 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

High Indirect Output (4500 Lumens)

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lm.	Efficacy LPW
Low output	4000K	69	4000	4500	8500	123
Medium output	4000K	81.5	5500	4500	10000	123
High output	4000K	105	8000	4500	12500	119

Medium Indirect Output (3500 Lumens)

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lm.	Efficacy LPW
Low output	4000K	59.5	4000	3500	7500	126
Medium output	4000K	72	5500	3500	9000	125
High output	4000K	96	8000	3500	11500	120

Low Indirect Output (2500 Lumens)

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lm.	Efficacy LPW
Low output	4000K	50.5	4000	2500	6500	129
Medium output	4000K	63	5500	2500	8000	127
High output	4000K	86	8000	2500	10500	122

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.

EMERGENCY

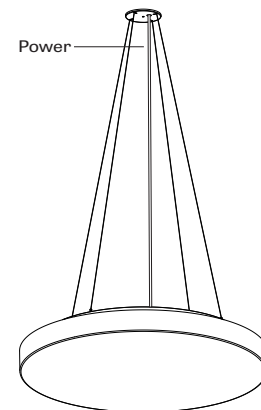
Factory installed long life high temperature recyclable Ni-Cad battery pack with test switch and charge indicator, minimum of 90 minutes operation, up to 1300 lumens (25°C) emergency lighting output. Recharge time of 24 hours.

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 36 X 3.5 - 25.51lbs - 11.59kg

RD 36 X 5 - 26.91lbs - 12.22kg

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

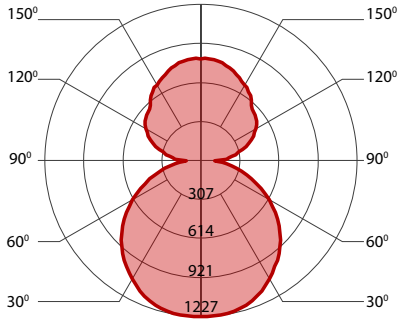
Lumenwerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated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

POP CORE ROUND 36 LED

PENDANT DIRECT/INDIRECT

PERFORMANCE AT INDIRECT 2500 LUMEN

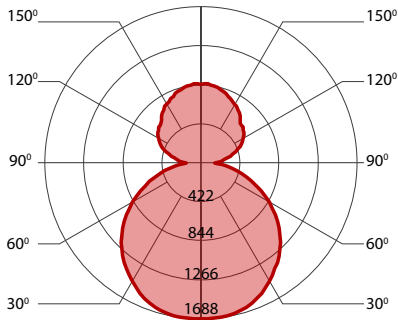
4000 LUMEN AT 80CRI - LOW OUTPUT



PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Low output	2700K	55	4000	2500	6500	118
Low output	3000K	53.5	4000	2500	6500	121
Low output	3500K	52	4000	2500	6500	125
Low output	4000K	50.5	4000	2500	6500	129

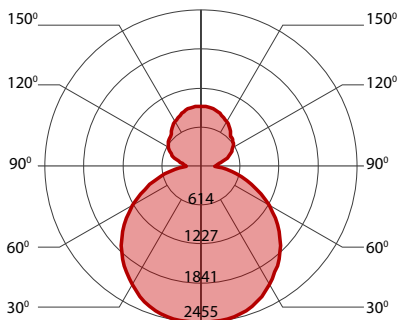
5500 LUMEN AT 80CRI - MEDIUM OUTPUT



PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Medium output	2700K	68.5	5500	2500	8000	117
Medium output	3000K	67	5500	2500	8000	119
Medium output	3500K	65	5500	2500	8000	123
Medium output	4000K	63	5500	2500	8000	127

8000 LUMEN AT 80CRI - HIGH OUTPUT



PERFORMANCE

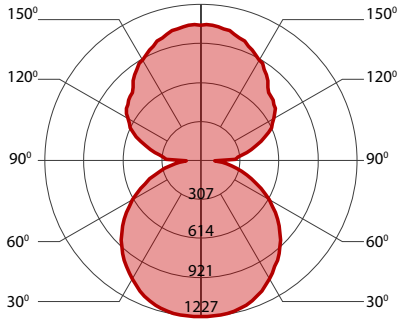
LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
High output	2700K	93.5	8000	2500	10500	112
High output	3000K	92	8000	2500	10500	114
High output	3500K	89	8000	2500	10500	118
High output	4000K	86	8000	2500	10500	122

POP CORE ROUND 36 LED

PENDANT DIRECT/INDIRECT

PERFORMANCE AT INDIRECT 3500 LUMEN

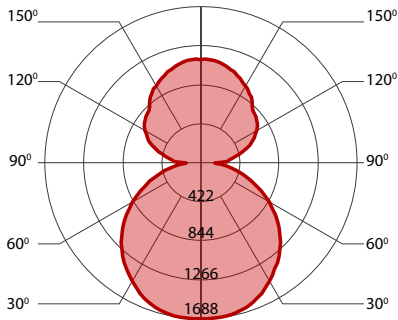
4000 LUMEN AT 80CRI - LOW OUTPUT



PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Low output	2700K	65	4000	3500	7500	115
Low output	3000K	63.5	4000	3500	7500	118
Low output	3500K	61.5	4000	3500	7500	122
Low output	4000K	59.5	4000	3500	7500	126

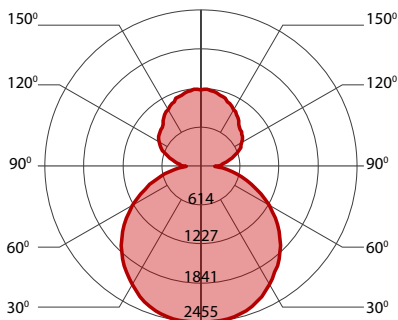
5500 LUMEN AT 80CRI - MEDIUM OUTPUT



PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Medium output	2700K	79	5500	3500	9000	114
Medium output	3000K	77	5500	3500	9000	117
Medium output	3500K	74.5	5500	3500	9000	121
Medium output	4000K	72	5500	3500	9000	125

8000 LUMEN AT 80CRI - HIGH OUTPUT



PERFORMANCE

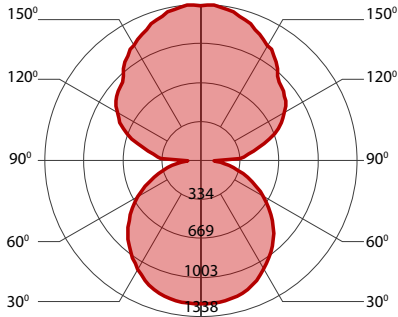
LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
High output	2700K	103.5	8000	3500	11500	111
High output	3000K	102	8000	3500	11500	113
High output	3500K	98.5	8000	3500	11500	117
High output	4000K	96	8000	3500	11500	120

POP CORE ROUND 36 LED

PENDANT DIRECT/INDIRECT

PERFORMANCE AT INDIRECT 4500 LUMEN

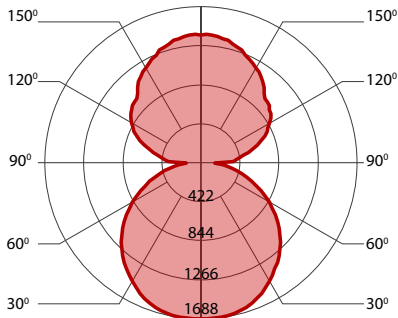
4000 LUMEN AT 80CRI - LOW OUTPUT



PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Low output	2700K	75	4000	4500	8500	113
Low output	3000K	73	4000	4500	8500	116
Low output	3500K	71.5	4000	4500	8500	119
Low output	4000K	69	4000	4500	8500	123

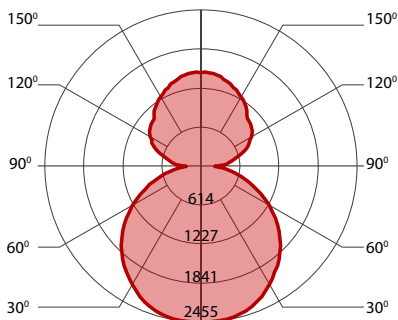
5500 LUMEN AT 80CRI - MEDIUM OUTPUT



PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
Medium output	2700K	88.5	5500	4500	10000	113
Medium output	3000K	87	5500	4500	10000	115
Medium output	3500K	84	5500	4500	10000	119
Medium output	4000K	81.5	5500	4500	10000	123

8000 LUMEN AT 80CRI - HIGH OUTPUT



PERFORMANCE

LED output	Color Temp	Watts	Direct Lumens	Indirect Lumens	Total Nominal Delivered Lumens	Efficacy LPW
High output	2700K	113.5	8000	4500	12500	110
High output	3000K	111.5	8000	4500	12500	112
High output	3500K	108	8000	4500	12500	116
High output	4000K	105	8000	4500	12500	119