

POP CORE ROUND 24 LED



LUMENWERX
WWW.LUMENWERX.COM

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 122 LPW. The diffuser and light engine form a fully enclosed unit with no exposed hardware.

ORDER GUIDE

up to 122 lm/W performance

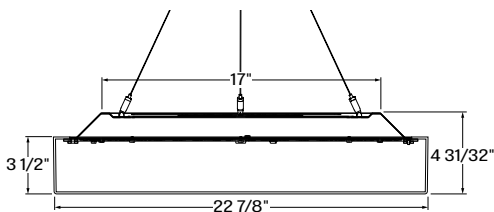
| POROPDI | 24IN | ULO | | LED | | |
|---|--------------|--------------------------------|----------------------------------|----------------------------|--------------------------|---|
| LUMINAIRE ID | SIZE | OPTIC | HEIGHT | LIGHT SOURCE | CRI | DIRECT LUMEN PACKAGE |
| POROPDI - Pop Round Pendant Direct/Indirect | 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 (80CRI only) #### - Other required lm |

| | | | | | 5WAC36 |
|--|--|---|--|---|--|
| INDIRECT LUMEN PACKAGE | COLOR TEMP. | VOLTAGE | DRIVER | ELECTRICAL | MOUNTING |
| 900 - Min. medium output 900lm 1100 - Max. high output 1100lm #### - 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 +GTD - Generator transfer device | 5WAC36 - Power 5" white canopy (36" aircraft cable) For all other options refer to our Pendant Mounting Guide |

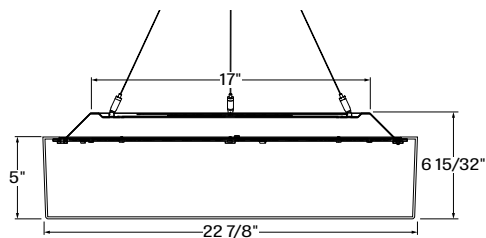
See page 3 for ordering code detailed information

| 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

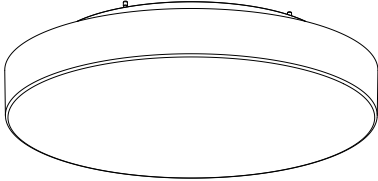


POROPDI + 5H - Pop Round Pendant Direct/Indirect with 5" optic

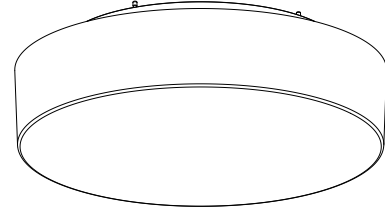
POP CORE ROUND 24 LED

PENDANT DIRECT/INDIRECT

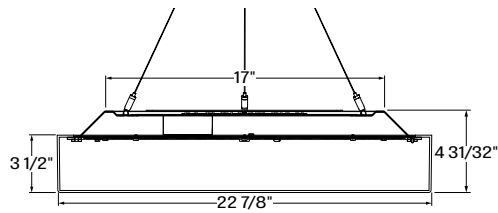
POP ROUND 3H - 3.5" OPTIC



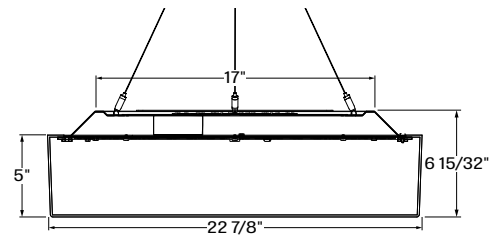
POP ROUND 5H - 5" OPTIC



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



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



POP CORE ROUND 24 LED

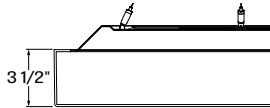
PENDANT DIRECT/INDIRECT

OPTIC

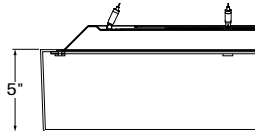
Uniform Efficiency Lambertian Optic (ULO) - Made of formed impact modified white PMMA, the optic provides an even light distribution with up to 88% transmission. Its unique enclosed shell design protects LEDs against Electrostatic Discharge and dust while its back surface project a soft glow on the mounting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

OPTICS HEIGHT

Pop Round Pendant 24 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 (1100 Lumens)

| LED output | Color Temp | Watts | Direct Lumens | Indirect Lumens | Total Nominal Delivered Lumens | Efficacy LPW |
|---------------|------------|-------|---------------|-----------------|--------------------------------|--------------|
| Low output | 4000K | 30 | 2500 | 1100 | 3600 | 121 |
| Medium output | 4000K | 38.5 | 3500 | 1100 | 4600 | 120 |
| High output | 4000K | 48.5 | 4500 | 1100 | 5600 | 116 |

Medium Indirect Output (900 Lumens)

| LED output | Color Temp | Watts | Direct Lumens | Indirect Lumens | Total Nominal Delivered Lumens | Efficacy LPW |
|---------------|------------|-------|---------------|-----------------|--------------------------------|--------------|
| Low output | 4000K | 28 | 2500 | 900 | 3400 | 122 |
| Medium output | 4000K | 36.5 | 3500 | 900 | 4400 | 120 |
| High output | 4000K | 46.5 | 4500 | 900 | 5400 | 116 |

ELECTRICAL

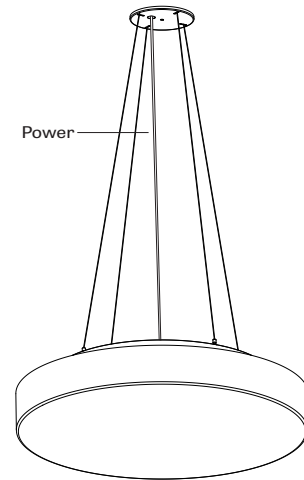
Factory-set, adjustable output current LED driver with universal (120-277VAC) input. Dimmable from 100% to 1% with 0-10V dimming control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other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

MOUNTING OPTIONS

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.

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.

POP CORE ROUND 24 LED

PENDANT DIRECT/INDIRECT

WARRANTY

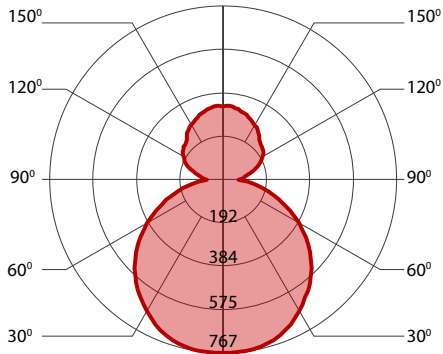
Lumenwerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated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

POP CORE ROUND 24 LED

PENDANT DIRECT/INDIRECT

PERFORMANCE AT INDIRECT 900 LUMEN

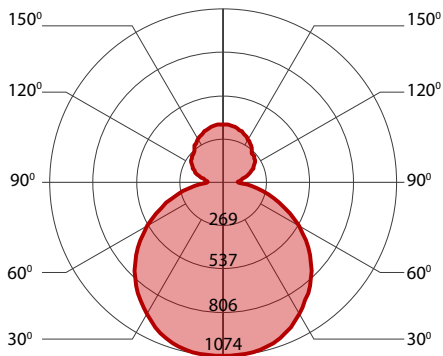
2500 LUMEN AT 80CRI - LOW OUTPUT



PERFORMANCE

| LED output | Color Temp | Watts | Direct Lumens | Indirect Lumens | Total Nominal Delivered Lumens | Efficacy LPW |
|------------|------------|-------|---------------|-----------------|--------------------------------|--------------|
| Low output | 2700K | 30.5 | 2500 | 900 | 3400 | 112 |
| Low output | 3000K | 30 | 2500 | 900 | 3400 | 114 |
| Low output | 3500K | 29 | 2500 | 900 | 3400 | 118 |
| Low output | 4000K | 28 | 2500 | 900 | 3400 | 122 |

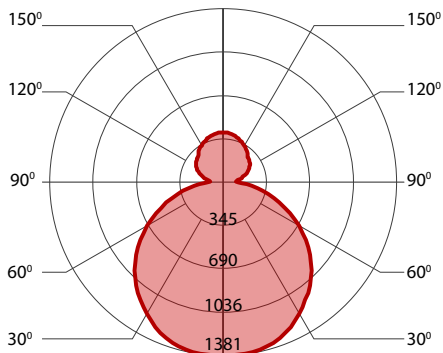
3500 LUMEN AT 80CRI - MEDIUM OUTPUT



PERFORMANCE

| LED output | Color Temp | Watts | Direct Lumens | Indirect Lumens | Total Nominal Delivered Lumens | Efficacy LPW |
|---------------|------------|-------|---------------|-----------------|--------------------------------|--------------|
| Medium output | 2700K | 40 | 3500 | 900 | 4400 | 110 |
| Medium output | 3000K | 39.5 | 3500 | 900 | 4400 | 112 |
| Medium output | 3500K | 38 | 3500 | 900 | 4400 | 116 |
| Medium output | 4000K | 36.5 | 3500 | 900 | 4400 | 120 |

4500 LUMEN AT 80CRI - HIGH OUTPUT



PERFORMANCE

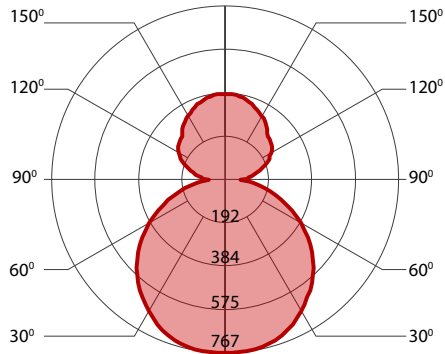
| LED output | Color Temp | Watts | Direct Lumens | Indirect Lumens | Total Nominal Delivered Lumens | Efficacy LPW |
|-------------|------------|-------|---------------|-----------------|--------------------------------|--------------|
| High output | 2700K | 50.5 | 4500 | 900 | 5400 | 107 |
| High output | 3000K | 49.5 | 4500 | 900 | 5400 | 109 |
| High output | 3500K | 48 | 4500 | 900 | 5400 | 113 |
| High output | 4000K | 46.5 | 4500 | 900 | 5400 | 116 |

POP CORE ROUND 24 LED

PENDANT DIRECT/INDIRECT

PERFORMANCE AT INDIRECT 1100 LUMEN

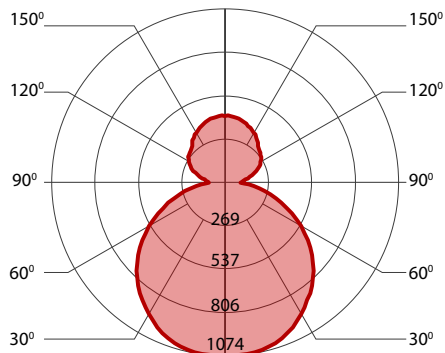
2500 LUMEN AT 80CRI - LOW OUTPUT



PERFORMANCE

| LED output | Color Temp | Watts | Direct Lumens | Indirect Lumens | Total Nominal Delivered Lumens | Efficacy LPW |
|------------|------------|-------|---------------|-----------------|--------------------------------|--------------|
| Low output | 2700K | 32.5 | 2500 | 1100 | 3600 | 111 |
| Low output | 3000K | 31.5 | 2500 | 1100 | 3600 | 114 |
| Low output | 3500K | 31 | 2500 | 1100 | 3600 | 117 |
| Low output | 4000K | 30 | 2500 | 1100 | 3600 | 121 |

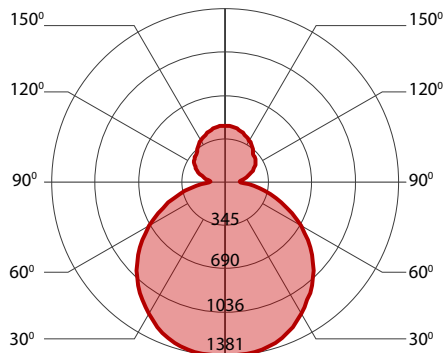
3500 LUMEN AT 80CRI - MEDIUM OUTPUT



PERFORMANCE

| LED output | Color Temp | Watts | Direct Lumens | Indirect Lumens | Total Nominal Delivered Lumens | Efficacy LPW |
|---------------|------------|-------|---------------|-----------------|--------------------------------|--------------|
| Medium output | 2700K | 42 | 3500 | 1100 | 4600 | 110 |
| Medium output | 3000K | 41 | 3500 | 1100 | 4600 | 112 |
| Medium output | 3500K | 39.5 | 3500 | 1100 | 4600 | 116 |
| Medium output | 4000K | 38.5 | 3500 | 1100 | 4600 | 120 |

4500 LUMEN AT 80CRI - HIGH OUTPUT



PERFORMANCE

| LED output | Color Temp | Watts | Direct Lumens | Indirect Lumens | Total Nominal Delivered Lumens | Efficacy LPW |
|-------------|------------|-------|---------------|-----------------|--------------------------------|--------------|
| High output | 2700K | 52.5 | 4500 | 1100 | 5600 | 107 |
| High output | 3000K | 51.5 | 4500 | 1100 | 5600 | 109 |
| High output | 3500K | 49.5 | 4500 | 1100 | 5600 | 113 |
| High output | 4000K | 48.5 | 4500 | 1100 | 5600 | 116 |