

# POP CORE ROUND 36 LED



**LUMENWERX**  
WWW.LUMENWERX.COM

## PENDANT DIRECT



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

## ORDER GUIDE

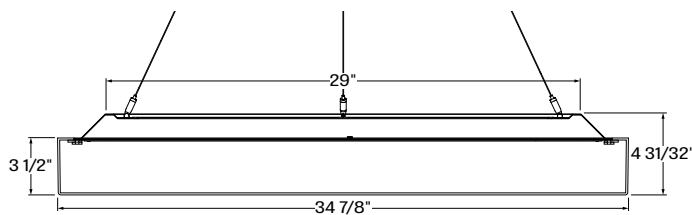
up to 114 lm/W performance

POROPD	36IN	ULO		LED		
LUMINAIRE ID	SIZE	OPTIC	HEIGHT	LIGHT SOURCE	CRI	LUMEN PACKAGE
<b>POROPD</b> - Pop Round Pendant Direct	<b>36IN</b> - Ø 36"	<b>ULO</b> - Uniform Lambertian Optic	<b>3H</b> - 3.5" optic <b>5H</b> - 5" optic	<b>LED</b> - High performance LED	<b>80</b> - 80CRI <b>90</b> - 90CRI	<b>4000</b> - Min. low output 4000lm <b>5500</b> - Medium output 5500lm <b>8000</b> - Max. high output 8000lm #### - Other required lm

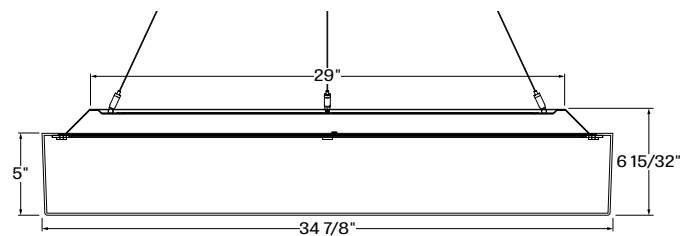
				5WAC36		
COLOR TEMP.	VOLTAGE	DRIVER	ELECTRICAL	MOUNTING	FINISH	OPTION
<b>27</b> - 2700K <b>30</b> - 3000K <b>35</b> - 3500K <b>40</b> - 4000K	<b>120</b> - 120V <b>277</b> - 277V <b>UNV</b> - 120V-277V <b>347</b> - 347V	<b>D1</b> - 1% 0-10V <b>DA</b> - DALI <b>LDE1</b> - Lutron Hi-lume 1% Eco	<b>1</b> - 1 circuit <b>+EB</b> - Emergency battery pack <b>+GTD</b> - Generator transfer device	<b>5WAC36</b> - Power 5" white canopy (36" aircraft cable) <a href="#">For all other options refer to our Pendant Mounting Guide</a>	<b>W</b> - Matte white <b>CF#</b> - Custom finish specify RAL#	<b>FU</b> - Fuse

See page 3 for ordering code detailed information

## CROSS SECTION



**POROPD + 3H** - Pop Round Pendant with 3.5" optic

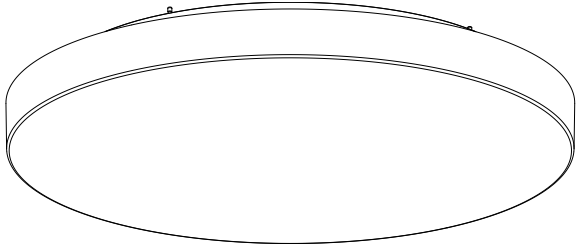


**POROPD + 5H** - Pop Round Pendant with 5" optic

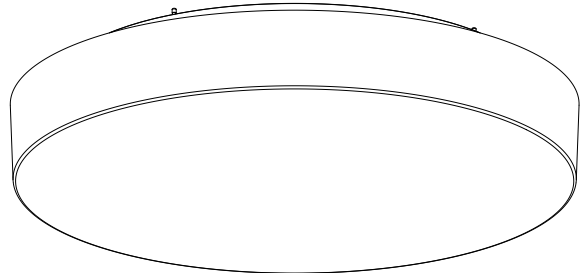
# POP CORE ROUND 36 LED

## PENDANT DIRECT

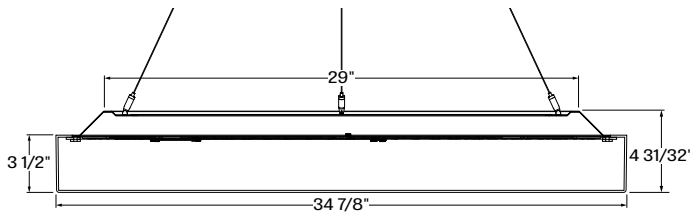
### POP ROUND 3H - 3.5" OPTIC



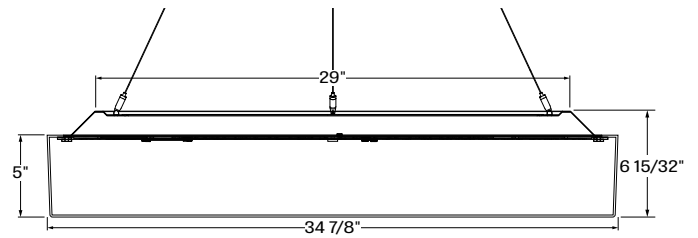
### POP ROUND 5H - 5\"/>



**POROPD + 3H** - Pop Round Pendant with 3.5" optic



**POROPD + 5H** - Pop Round Pendant with 5" optic



# POP CORE ROUND 36 LED

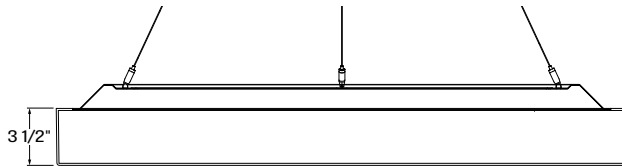
## PENDANT DIRECT

### OPTIC

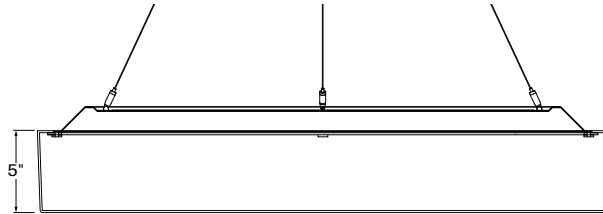
**Uniform Efficiency Lambertian Optic (ULO)** - Made of formed impact modified white PMMA, the optic provides an even light distribution with up to 88% transmission. Its unique enclosed shell design protects LEDs against Electrostatic Discharge and dust while its back surface project a soft glow on the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

### OPTICS HEIGHT

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



**POROPD + 3H** - Pop Round Pendant with 3.5" optic



**POROPD + 5H** - Pop Round Pendant 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

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
Low output	4000K	35	4000	114
Medium output	4000K	49	5500	112
High output	4000K	75.5	8000	106

### 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

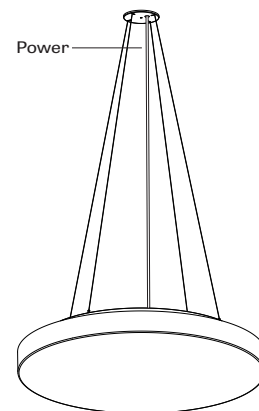
Factory installed long life high temperature recyclable Ni-Cad battery pack with test switch and charge indicator, minimum of 90 minutes operation, up to 1300 lumens (25°C) emergency lighting output. Recharge time of 24 hours.

### 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 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.

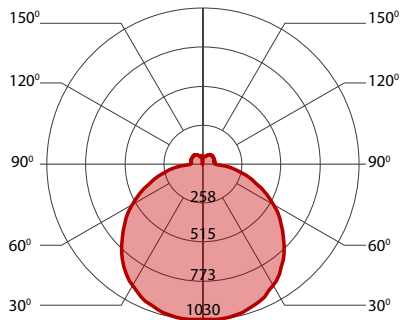
### WARRANTY

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

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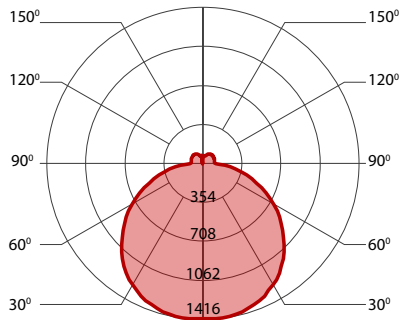
### 4000 LUMEN AT 80CRI - LOW OUTPUT



#### PERFORMANCE

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
Low output	2700K	38	4000	105
Low output	3000K	37.5	4000	107
Low output	3500K	36.5	4000	110
Low output	4000K	35	4000	114

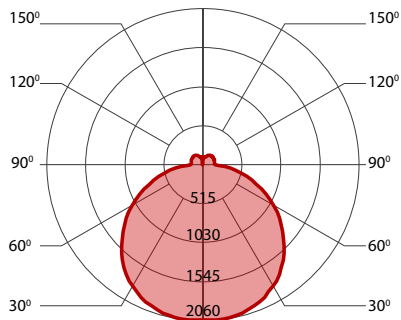
### 5500 LUMEN AT 80CRI - MEDIUM OUTPUT



#### PERFORMANCE

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
Medium output	2700K	53.5	5500	103
Medium output	3000K	52.5	5500	105
Medium output	3500K	51	5500	108
Medium output	4000K	49	5500	112

### 8000 LUMEN AT 80CRI - HIGH OUTPUT



#### PERFORMANCE

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
High output	2700K	82.5	8000	97
High output	3000K	81	8000	99
High output	3500K	77.5	8000	103
High output	4000K	75.5	8000	106