

# ARQ GLOBE ACOUSTIX

PENDANT  
DIRECT

# LUMENWERX



Project: \_\_\_\_\_

Type: \_\_\_\_\_



## DESCRIPTION

Part of the Arq Acoustix series, the Arq Globe is an acoustic pendant equipped with an arc-shaped shade made of sound-absorbing felt created from recycled bottles. With its exposed bulbous Globe light Arq Globe exudes vintage vibes and is a fun addition to any space requiring noise control.

## Order Guide

LUMINAIRE ID	SIZE	DISTRIBUTION	GLOBE SIZE	OPTIC	LIGHT SOURCE	CRI	COLOR TEMP.
<b>ARQGLACOP</b>	<b>24IN</b>	<b>D</b>		<b>IRO</b>			
ARQGLACOP - Arq Globe Acoustix Pendant	24IN - Ø 24"	D - Direct	6IN - Ø 6" globe 8IN - Ø 8" globe	IRO - Isotropic Radiant Optic	SW - Static white FS - Full spectrum	90CRI <sup>1</sup> - 90 CRI 95CRI - 95 CRI 80CRI <sup>1</sup> - 80 CRI	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K

<sup>1</sup> Not available with full spectrum.

VOLTAGE	WATTAGE <sup>3</sup>	DIMMING <sup>4</sup>		ELECTRICAL
				<b>1C</b>
120V - 120V 277V - 277V UNV - 120V-277V 347V <sup>2</sup> - 347V	Ø 6" GLOBE 15W - 15 W output, up to 630 lm	Ø 8" GLOBE 21W - 21 W output, up to 945 lm	CANOPY DRIVER D1 - 1% 0-10V ELV <sup>5</sup> - ELV 120V TRI <sup>5</sup> - TRIAC 120V	REMOTE DRIVER <sup>6</sup> RD1 - 1% 0-10V RELV <sup>7</sup> - ELV 120V RTRI <sup>7</sup> - TRIAC 120V RLDEI <sup>8</sup> - Lutron Hi-lume 1% Eco RDA <sup>8</sup> - DALI RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V

<sup>2</sup> Available with RD1 driver only. Please consult factory.

<sup>3</sup> Lumen outputs are reduced with full spectrum, consult factory.

<sup>4</sup> PoE (Power-over-Ethernet) compatible. Consult factory for details.  
<sup>5</sup> Available with 120V only.

<sup>6</sup> A remote driver box is provided, see page 3 for details.  
<sup>7</sup> Available with 120V only.  
<sup>8</sup> On-site commissioning is required.

FELT COLOR	CANOPY TYPE <sup>9</sup>	CANOPY FINISH	SUSPENSION
<ul style="list-style-type: none"> <li><b>FONCDN</b> - Outside Fog, inside Cloudy</li> <li><b>MDNCDN</b> - Outside Midnight blue, inside Cloudy</li> <li><b>LENSAN</b> - Outside Latte, inside Sand</li> <li><b>CYNSAN</b> - Outside Cherry, inside Sand</li> </ul>	<ul style="list-style-type: none"> <li><b>FLR</b> - Flat round canopy, 4" octagonal junction box</li> <li><b>CDR</b> - Conduit feed, round canopy</li> <li><b>DMNC<sup>10</sup></b> - Direct mount, new construction</li> <li><b>DRM<sup>10,11</sup></b> - Direct mount, remodel</li> <li><b>DR<sup>12</sup></b> - Deep round canopy, driver in canopy</li> </ul>	<ul style="list-style-type: none"> <li><b>FTMW</b> - Textured matte white</li> <li><b>FTMB</b> - Textured matte black</li> <li><b>CF#</b> - Custom finish, specify RAL#</li> </ul>	<ul style="list-style-type: none"> <li><b>POWER CORD<sup>13</sup></b></li> <li><b>BPC###IN</b> - Black PVC</li> <li><b>WPC###IN</b> - White PVC</li> </ul>

<sup>9</sup> See page 3 for details.

<sup>10</sup> Remote driver only.

<sup>11</sup> Single wiring entry only. No daisy chain connections allowed.

<sup>12</sup> Available with canopy driver only.

<sup>13</sup> Min 36" - max 72", specify length (##) in inches.

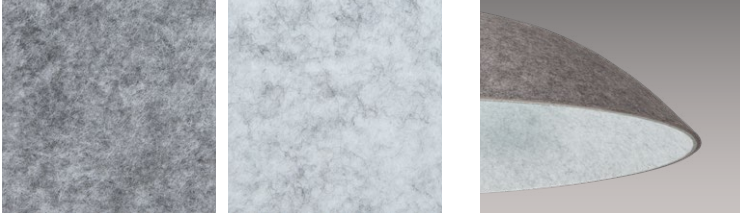


# ARQ GLOBE ACOUSTIX

PENDANT  
DIRECT

LUMENWERX

## Felt Color



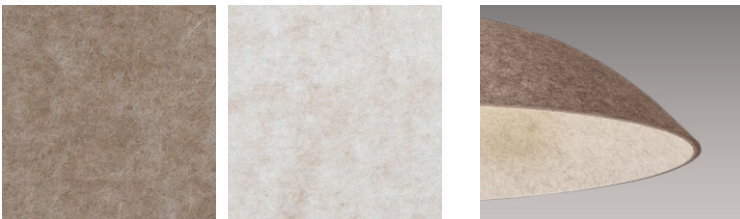
### FONCDN

Outside Fog, inside Cloudy



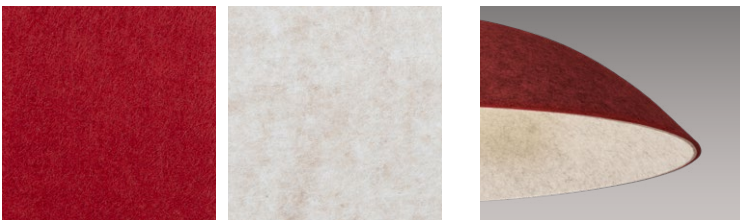
### MDNCDN

Outside Midnight blue, inside Cloudy



### LENSAN

Outside Latte, inside Sand



### CYN SAN

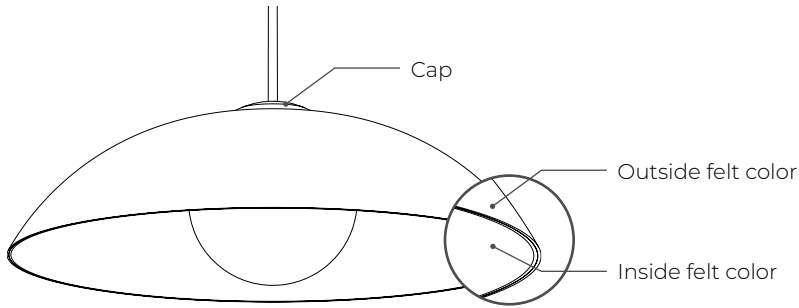
Outside Cherry, inside Sand

# ARQ GLOBE ACOUSTIX

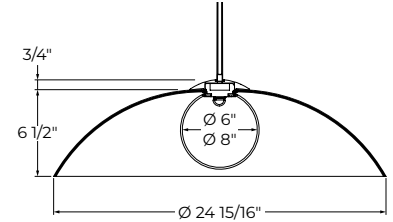
PENDANT  
DIRECT

LUMENWERX

## Overview



## Section View



## Mounting

### CANOPY

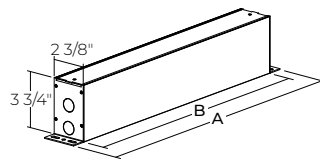
CANOPY DRIVER				REMOTE DRIVER			
Order code	<b>FLR</b> Flat round canopy, 4" octagonal junction box	<b>CDR</b> Conduit feed, round canopy	<b>DR</b> Deep round canopy, driver in canopy	<b>FLR</b> Flat round canopy, 4" octagonal junction box	<b>CDR</b> Conduit feed, round canopy	<b>DMNC</b> Direct mount, new construction	<b>DMRM</b> Direct mount, remodel
Canopy type							
Canopy size	Ø 4 5/8" Height 1/4"	Ø 5 1/2" Height 1 15/16"	Ø 5 5/8" Height 1 3/8"	Ø 4 5/8" Height 1/4"	Ø 5 1/2" Height 1 15/16"	Ø 3 1/8" Height 2"	
Junction box requirements for <b>FLR</b> Deep j-box (2 1/8" deep)						Single wiring entry only. No daisy chain connections allowed.	

### SUSPENSION

POWER CORD
Power Cord Lengths
Min 36" Max 72"

### REMOTE DRIVER BOX

RDB8 / RDB18



	RDB8	RDB18
<b>A</b>	10"	20"
<b>B</b>	8"	18"
<b>DRIVER</b>	<b>RD1</b> - 1% 0-10V <b>RELV</b> - ELV 120V <b>RTRI</b> - TRIAC 120V	<b>RLDE1</b> - Lutron Hi-lume 1% Eco <b>RELD1</b> - eldoLED 1% ECOdrive 0-10V <b>RDA</b> - DALI <b>RELD0</b> - eldoLED 0.1% SOLOdrive 0-10V

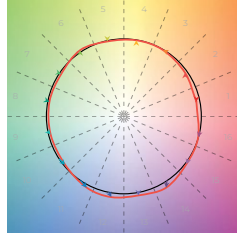
# ARQ GLOBE ACOUSTIX

LUMENWERX

PENDANT  
DIRECT

## Color Quality

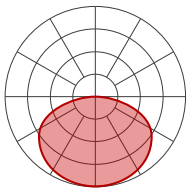
COLOR QUALITY - 3500K	
TM-30 R <sub>r</sub>	90
TM-30 R <sub>g</sub>	100
CRI	90
R9	> 50



## Photometrics

Please follow the multiplier table to ensure correct lumen value.

Ø 6" globe



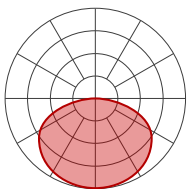
Delivered Lumens - At 35K

CRI	90 CRI	95 CRI	80 CRI
15 W	600	480	630

Efficacy Based on Delivered Lumens

CRI	90 CRI	95 CRI	80 CRI
15 W	40	32	42

Ø 8" globe



Delivered Lumens - At 35K

CRI	90 CRI	95 CRI	80 CRI
21 W	900	720	945

Efficacy Based on Delivered Lumens

CRI	90 CRI	95 CRI	80 CRI
21 W	43	34	45

## MULTIPLIERS

CCT	
2700K	0.9
3000K	0.95
3500K	1
4000K	1.05

# ARQ GLOBE ACOUSTIX

LUMENWERX

PENDANT  
DIRECT

## Acoustic Calculator

Using the Lumenwerx Acoustix Value Calculator table, you can determine the number of acoustic luminaires required in a space by fixture type. We have three levels of recommended sound reduction: good, better, and best. Choosing one of these options will reduce the sound accordingly. The best option indicates the best acoustic improvement. Calculations are based on a standard ceiling height of 9 feet.



- 1 Calculate the square feet of your room (L x W).
- 2 Choose the level of acoustical improvement you are looking for, and find the corresponding value based on your room dimension and luminaire configuration.

% in reduction in reverberation time			Room dimensions under 300 sq ft			Room dimensions over 300 sq ft			
LUMINAIRE	GOOD 😊	BETTER 😊😊	BEST 😊😊😊	GOOD 😊	BETTER 😊😊	BEST 😊😊😊	GOOD 😊	BETTER 😊😊	BEST 😊😊😊
Arq Globe Acoustix, Ø 24"	25	14	11	39	22	17			

- 3 Use the Lumenwerx Acoustix Value Formula to determine the number of luminaires needed in the room.

**Square feet ÷ Value = Number of luminaires**

Example:

**Luminaires:** Arq Globe Acoustix, Ø 24"  
**Room square feet:** L: 20 ft x W: 18 ft = 360 sq ft  
**Desired acoustical improvement:** Better = 22  
**Number of luminaires needed in the room:** 360 ÷ 22 = **16 luminaires**

NOTES:

Lumenwerx acoustic calculators were developed to act as a guide. For precise acoustic performance in a space, please consult an acoustician.

# ARQ GLOBE ACOUSTIX

PENDANT  
DIRECT

LUMENWERX

## Technical Specifications

### OPTIC

#### Isotropic Radiant Optic™ (IRO™)

The Isotropic Radiant Optic™ (IRO™) is a spherical lens designed with a spike-textured surface through which light rays are diffused outward and equally in all directions.

### LIGHT SOURCE

Compact COB (Chip-On-Board) LED module, available in 2700K, 3000K, 3500K and 4000K with a choice of 80 CRI, 90 CRI, or 95 CRI, with elevated R9 value for 90 CRI and above. Color consistency is maintained to within 2 SDCM. 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. Optional full spectrum LEDs can be incorporated in the fixture to increase Cyanosis Observation Index (COI) and assist in regulating circadian rhythms.



**WELL for Light** - The WELL building standard focuses on light quality in several features. There are three categories that are fully attributed to the construction and features of a luminaire. In WELL V1, it's Feature 54 Circadian Lighting, Feature 55 Glare Control, and Feature 58 Color Quality. In WELL V2, it's Feature L03 Circadian Lighting, Feature L04 Glare Control, and Feature L07 Electric Light Quality.

This fixture meets Features:

- Feature 54 or L03 when full spectrum is selected
- Feature 58 or L07 when 90 CRI or above is selected

All LED drivers used at Lumenwerx are deemed to have a low risk level of flicker, of 5 % or less below 90Hz operational as defined by IEEE standard 1789-2015 LED.



**WELL for Sound** - This luminaire is recommended for use as an acoustical absorption surface to limit reverberation times (RT) in a given space. This luminaire contributes to noise reduction and vibration dampening to promote focus and concentration. Reverberation needs to be calculated in each space based on the materials used.



**WELL for Mind** -This luminaire meets WELL for mind as it is a human centric luminaire offering quality light, excellent color, and smooth optics. If any of these features are incorporated in a luminaire, it can improve the ability to focus, concentrate, and persist longer on a given task. This fixture harmoniously operates in a space to assist the mind.

For more information, please contact [well@lumenwerx.com](mailto:well@lumenwerx.com)

### ELECTRICAL

Unless otherwise specified, dimming down to 1%. At maximum driver load: efficiency>84%, PF>0.9, THD<20%.

**Canopy driver:** 0-10V, ELV, TRIAC.

**Remote driver:** 0-10V, ELV, TRIAC, Lutron Hi-Lume 1% EcoSystem, DALI, eldoLED 0.1% SOLOdrive 0-10V, eldoLED 1% ECOdrive 0-10V.

### 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.

### ACOUSTIC FINISH

Material is 100% polyester containing up to 50% of recycled plastic bottles (PET) with an ASTM E-84 Class A fire rating and is moisture resistant.

### CARE

Remove dust and debris with a clean, dry, soft, lint-free cloth, or vacuum.

### CONSTRUCTION

**Globe:** Frosted glass

**Cap:** Aluminum

**Power cord:** Black and white PVC. 32" to 72" standard length

**Canopy:** Flat, conduit feed, direct, and deep

**Finish:** Textured matte white, black. Custom colors also available (provide RAL #).

### WEIGHT

Ø 6" globe	Ø 8" globe
5.29 lbs - 2.4 kg	6.79 lbs - 3.08 kg

# ARQ GLOBE ACOUSTIX

## PENDANT

## DIRECT

LUMENWERX

### ENVIRONMENT

Ambient temperature at fixture location shall not exceed 30°C/86°F. For indoor use only.

### CERTIFICATION

**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.