

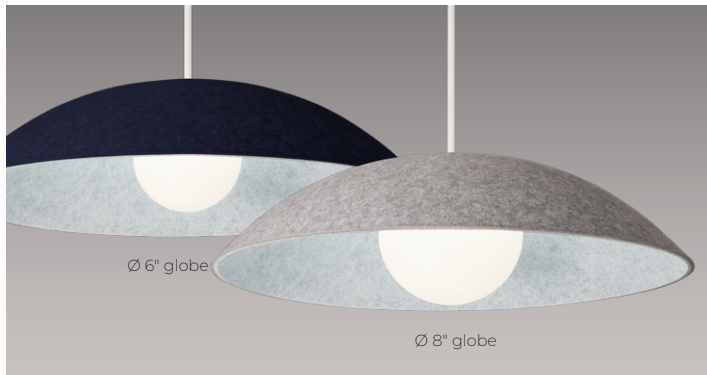
ARQ GLOBE ACOUSTIX

PENDANT
DIRECT



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.
ARQGLACOP	24IN	D		IRO			
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 static white	Static white 80CRI - 80+ CRI 90CRI - 90+ CRI 95CRI - 95+ CRI Full spectrum 95CRI - 95+ CRI	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K

VOLTAGE	WATTAGE ²	DIMMING ³		ELECTRICAL
				1C
120V - 120V 277V - 277V UNV - 120V-277V 347V ¹ - 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 RD1 - 1% 0-10V ELV ⁴ - ELV 120V TRI ⁴ - TRIAC 120V ³ PoE (Power-over-Ethernet) compatible. Consult factory for details. ⁴ Available with 120V only.	REMOTE DRIVER ⁵ RD1 - 1% 0-10V RELV ⁶ - ELV 120V RTRI ⁶ - TRIAC 120V RLDE1 ⁷ - Lutron Hi-lume 1% Eco RDA ⁷ - DALI RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V ⁵ A remote driver box is provided. ⁶ Available with 120V only. ⁷ On-site commissioning is required.
¹ Only available with RD1 driver. Please consult factory.	² Lumen outputs are reduced with full spectrum, consult factory.			1C - 1 circuit

FELT COLOR	CANOPY TYPE ⁸	CANOPY FINISH	SUSPENSION
FONCDN - Outside Fog, inside Cloudy MDNCDN - Outside Midnight blue, inside Cloudy LENSAN - Outside Latte, inside Sand CYNSAN - Outside Cherry, inside Sand	FLR - Flat round canopy, 4" octagonal junction box CDR - Conduit feed, round canopy DMNC ⁹ - Direct mount, new construction DMRM ^{9,10} - Direct mount, remodel DR ¹¹ - Deep round canopy ⁸ See page 3 for details. ⁹ Remote driver only. ¹⁰ Single wiring entry only. No daisy chain connections allowed. ¹¹ Can accommodate up to 2 drivers.	FTMW - Matte white FTMB - Matte black CF# - Custom finish, specify RAL#	POWER CORD ¹² BPC##IN - Black PVC WPC##IN - White PVC ¹² Min 36" - max 72", specify length (##) in inches.



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Felt Color



FONCDN

Outside Fog, inside Cloudy



MDNCDN

Outside Midnight blue, inside Cloudy



LENSAN

Outside Latte, inside Sand



CYNSAN

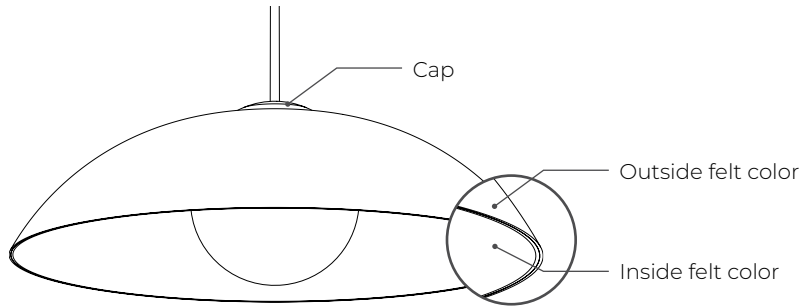
Outside Cherry, inside Sand

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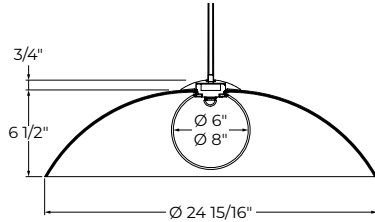
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Overview



Dimensions



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Mounting

CANOPY

CANOPY DRIVER			
Order code	FLR Flat round canopy, 4" octagonal junction box	CDR Conduit feed, round canopy	DR Deep round canopy
Canopy type			
Canopy size	Ø 4 1/2" Height 3/8"	Ø 5 1/2" Height 1 15/16"	Ø 5 5/8" Height 1 3/8"

REMOTE DRIVER					
Order code	FLR Flat round canopy, 4" octagonal junction box	CDR Conduit feed, round canopy	DMNC Direct mount, new construction	DMRM Direct mount, remodel	DR Deep round canopy
Canopy type					
Canopy size	Ø 4 1/2" Height 3/8"	Ø 5 1/2" Height 1 15/16"	Ø 3 1/8" Height 2"		Ø 5 5/8" Height 1 3/8"
				Single wiring entry only. No daisy chain connections allowed.	

SUSPENSION

POWER CORD
Power Cord Lengths
Min 36" Max 72"



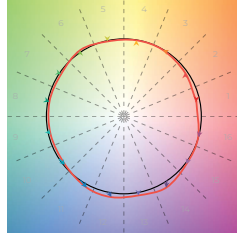
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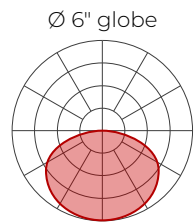
Color Quality

COLOR QUALITY - 3500K	
TM-30 R _r	90
TM-30 R _g	100
CRI	90+
R9	> 50



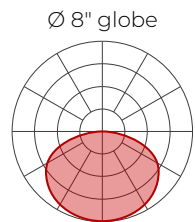
Photometrics

Values calculated based on 3500K.



Delivered Lumens (LM)			
CRI	80+ CRI	90+ CRI	95+ CRI
15 W	630	600	480

Efficacy (LM/W)			
CRI	80+ CRI	90+ CRI	95+ CRI
15 W	42	40	32



Delivered Lumens (LM)			
CRI	80+ CRI	90+ CRI	95+ CRI
21 W	945	900	720

Efficacy (LM/W)			
CRI	80+ CRI	90+ CRI	95+ CRI
21 W	45	43	34

MULTIPLIER

Please follow this multiplier table to ensure correct lumen value. CCT will change the lumen value.

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

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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			
☺	GOOD	25%	LUMINAIRE	GOOD ☺	BETTER ☺☺	BEST ☺☺☺	GOOD ☺	BETTER ☺☺	BEST ☺☺☺
☺☺	BETTER	40%	Arq Globe Acoustix, Ø 24"	25	14	11	39	22	17
☺☺☺	BEST	50%							

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

$$\text{Square feet} \div \text{Value} = \text{Number of luminaires}$$

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.

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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

Static white

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.

Full spectrum static white

The full spectrum LED option offers improved color particularly in the cyan region that is beneficial in both healthcare and circadian lighting strategies. The cyan region in full spectrum LED is richer at the 480 nm range.



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

ELECTRICAL

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

ELV and TRIAC dimming performance (including minimum dimming percentage) subject to dimmer selection.

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), QUADRO (RGBW), 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: 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

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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 on 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.