

ARRO 2 SHAPE

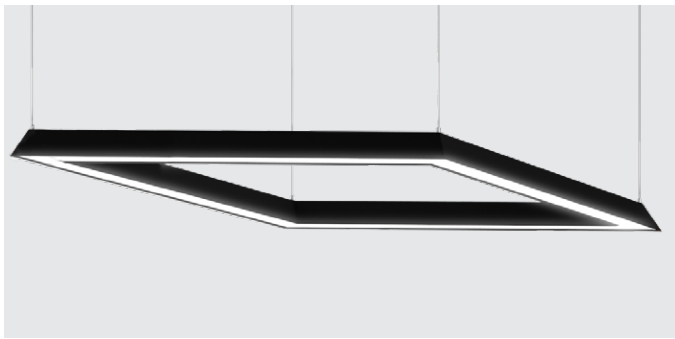
PENDANT

STATIC WHITE, FULL SPECTRUM



Project: _____

Type: _____



DESCRIPTION

Arro 2 comes in a variety of pre-assembled forms - squares, triangles, rectangles, and X and Y spokes - and can also be continuously run, mounted, and mitered into patterns. When it comes to versatility, visual interest, keeping noise in check, and overall performance, Arro hits the target.

SENSORS
For latest information on sensors, click [here](#).



Order Guide

LUMINAIRE ID	DISTRIB.	SHAPE ^{1, 2}					DIRECT OPTIC
ARR2SHP	D						HLO
ARR2SHP - Arro 2 nd Shape Pendant	D - Direct	SQUARE SQ2 - Square 2FT x 2FT SQ3 - Square 3FT x 3FT SQ# - Square #FT x #FT	RECTANGLE RC14 - Rectangle 1FT x 4FT RC16 - Rectangle 1FT x 6FT RC26 - Rectangle 2FT x 6FT RC## - Rectangle #FT x #FT	TRIANGLE (EQUAL SIDES) TR2 - Triangle 2FT TR3 - Triangle 3FT TR4 - Triangle 4FT TR# - Triangle #FT	Y-SPOKE YS1 - Y Spoke 1FT YS2 - Y Spoke 2FT YS3 - Y Spoke 3FT YS# - Y Spoke #FT	X-SPOKE XS1 - X Spoke 1FT XS2 - X Spoke 2FT XS3 - X Spoke 3FT XS# - X Spoke #FT	HLO - High-Efficiency Lambertian Optic
		¹ Shapes and dimensions on page 2. ² Specify in 1" increments.					

LIGHT SOURCE ³	CRI	LUMEN PACKAGE	COLOR TEMP.	VOLTAGE	DRIVER ⁷
SW - Static white FS - Full spectrum ³ Chromawerx SOLA and DUO also available. Consult factory for details.	80CRI ⁴ - 80 CRI 90CRI ⁴ - 90 CRI 95CRI - 95 CRI ⁴ Not available with full spectrum.	350LMF - Low output 350 lm/ft 500LMF - Medium output 500 lm/ft 750LMF ⁵ - High output 750 lm/ft ⁵ Not available with full spectrum.	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	120V - 120V 277V - 277V UNV - 120V-277V 347V ⁶ - 347V ⁶ Available with D1 only.	CANOPY DRIVER ⁸ D1 - 1% 0-10V DA ⁹ - DALI LDE1 ⁹ - Lutron Hi-lume 1% Eco ELD1 - eldoLED 1% ECOdrive 0-10V ELDO - eldoLED 0.1% SOLOdrive 0-10V ELV ¹⁰ - ELV 120V TRI ¹⁰ - TRIAC 120V ⁷ PoE (Power-over-Ethernet) compatible. Consult factory for details. ⁸ Not available with RDB driver box option. ⁹ On-site commissioning is required. ¹⁰ Available with 120V only. ¹¹ Not available with LCD, RCD and SCD driver box options.
		REMOTE DRIVER ¹¹ RD1 - 1% 0-10V RDA ⁹ - DALI RLDE1 ⁹ - Lutron Hi-lume 1% Eco RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V RELV ¹⁰ - ELV 120V RTRI ¹⁰ - TRIAC 120V			

ELECTRICAL	MOUNTING				FINISH	OPTION
1C						
1C - 1 circuit	DRIVER BOX ¹² LCD ^{13, 14, 15} - Linear canopy driver box RCD ¹⁶ - Round canopy driver box SCD ¹⁷ - Square canopy driver box RDB - Remote driver box ¹² For more information see page 3. ¹³ Canopy size may vary based on fixture length, color temperature, CRI and lumen package. ¹⁴ LCD is not available with 347V. ¹⁵ Available with Rectangle shape only. ¹⁶ Available with Triangle and Y-Spoke shapes only. ¹⁷ Available with Square and X-Spoke shapes only.	CANOPY FINISH W - Matte white AL - Aluminum B - Matte black CF# - Custom finish, specify RAL#	POWER POC ¹⁸ - Integrated suspension power-over-aircraft cable BAC - Black power cord + aircraft cable WAC - White power cord + aircraft cable ¹⁸ For more information, see page 3.	HEIGHT ##IN - Distance from the canopy to the fixture in inches	W - Matte white AL - Aluminum B - Matte black CF# - Custom finish, specify RAL#	FU120 - Fuse 120V FU277 - Fuse 277V NA - None

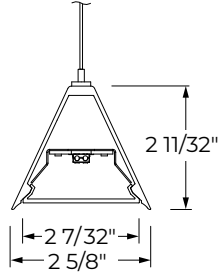
For all other options refer to our [Pendant Mounting Guide](#)

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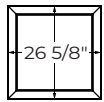
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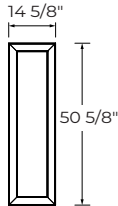
Dimensions



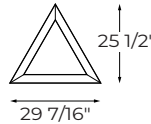
Shapes



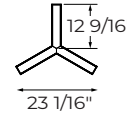
SQ2 - Square 2'x2'



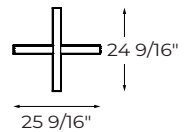
RC14 - Rectangle 1'x4'



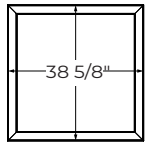
TR2 - Triangle 2'



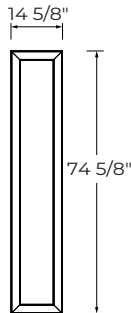
YS1 - Y Spoke 1'



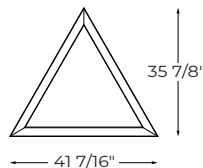
XS1 - X Spoke 1'



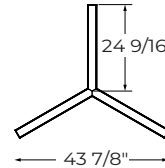
SQ3 - Square 3'x3'



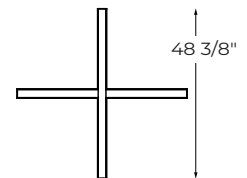
RC16 - Rectangle 1'x6'



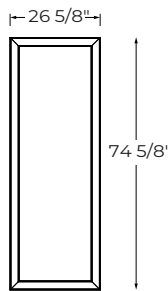
TR3 - Triangle 3'



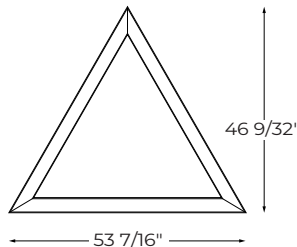
YS2 - Y Spoke 2'



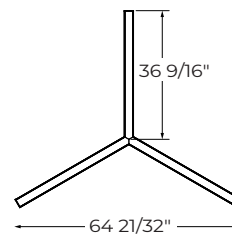
XS2 - X Spoke 2'



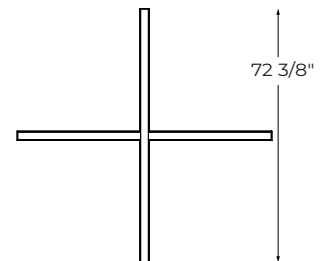
RC26 - Rectangle 2'x6'



TR4 - Triangle 4'



YS3 - Y Spoke 3'



XS3 - X Spoke 3'

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Mounting Options

LCD ¹ - LINEAR CANOPY DRIVER BOX	SCD ² - SQUARE CANOPY DRIVER BOX	RCD ³ - ROUND CANOPY DRIVER BOX
<p>POWER CORD + AIRCRAFT CABLE</p>	<p>POWER CORD + AIRCRAFT CABLE</p>	<p>POWER CORD + AIRCRAFT CABLE</p>
<p>POWER-OVER-AIRCRAFT CABLE</p>	<p>POWER-OVER-AIRCRAFT CABLE</p>	<p>POWER-OVER-AIRCRAFT CABLE</p>
RDB - REMOTE DRIVER BOX		
<p>POWER CORD + AIRCRAFT CABLE</p>	<p>POWER CORD + AIRCRAFT CABLE</p>	<p>POWER CORD + AIRCRAFT CABLE</p>
<p>POWER-OVER-AIRCRAFT CABLE</p>	<p>POWER-OVER-AIRCRAFT CABLE</p>	<p>POWER-OVER-AIRCRAFT CABLE</p>

¹Available with Rectangle shape only.

²Available with Square and X-Spoke shapes only.

³Available with Triangle and Y-Spoke shapes only.

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Technical Specifications

DIRECT OPTIC

High-Efficiency Lambertian Optic (HLO)

The High-Efficiency Lambertian Optic (HLO) shielding of diffusing 0.075" thick acrylic with up to 88% transmission and good source obscuration is combined with matte white side reflectors to create an efficient optical chamber with uniform luminosity. Luminaire brightness is controlled by the flux-to-shielding area ratio.

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. 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 90CRI 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 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

LUMINAIRE LENGTH

Arro Shape is available in 5 shapes: square, rectangle, triangle with equal sides, X spoke, and Y spoke. See order code for standard sizes. Custom sizes can also be ordered in 1 foot increments.

ELECTRICAL

Factory-set, adjustable output current LED driver with universal (120-277 VAC) 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 Lutron Hi-Lume 1% Eco, eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V, ELV, TRIAC, and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant.

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.

FINISH

Interior - 95%, reflective matte powder coated white paint

Exterior - Matte white, matte black, or aluminum powder coating. Custom finishes are also available.

CONSTRUCTION

Housing - Extruded aluminum (0.070" nominal) up to 90% recycled content

Joiner - Galvanized steel

Reflector - Cold rolled steel 24 gauge thick

HLO lens - PMMA

End caps - Die cast aluminum

Hanger - Chromed griplock securely attached in end caps and/or joiners with stainless steel hardware

Aircraft cable suspension - 7x7 braids stainless steel air craft cable 0.05" thick

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WEIGHT

Square

SQ2	SQ3
10.09 lbs - 4.58 kg	14.31 lbs - 6.49 kg

Rectangle

RC14	RC16	RC26
13.67 lbs - 6.20 kg	17.94 lbs - 8.14 kg	20.07 lbs - 9.10 kg

Triangle

TR2	TR3	TR4
10.41 lbs - 4.72 kg	13.57 lbs - 6.15 kg	16.76 lbs - 7.60 kg

Y-Spoke

YS1	YS2	YS3
7.17 lbs - 3.25 kg	10.36 lbs - 4.70 kg	13.53 lbs - 6.14 kg

X-Spoke

XS1	XS2	XS3
6.97 lbs - 3.16 kg	10.07 lbs - 4.57 kg	14.30 lbs - 6.49 kg

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.