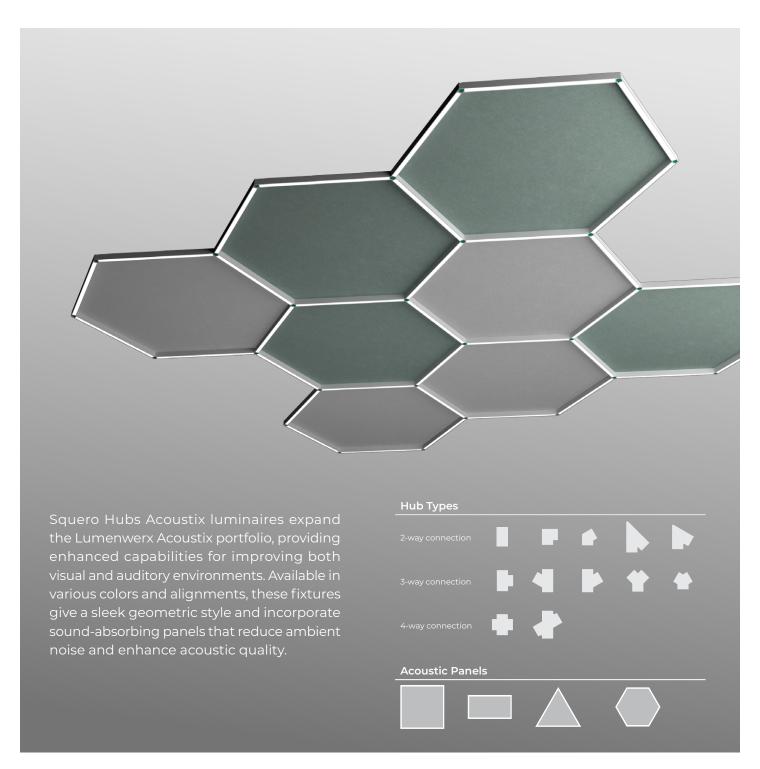


PENDANT STATIC WHITE, BIOS



















Lumenwerx
Lumenwerk

PENDANT

STATIC WHITE, BIOS

Project:	
Туре:	

Order Guide

Example: SQUHUBACOP-D-12FT-MRO35-4FT-HLO-8FT-BK-NA-SW-80CRI-500LMF-NA-35K-4HCV90-B-120V-D1-1C-ACS-B-1AREC(2FTX4FT)-IVN-120V-D1-120V-

A drawing of your confid	uration is required -	anything from a line	e drawing to an arc	hitectural drawing

LUMINAIRE ID	DISTRIBUTION	TOTAL LUMINAIRE LENGTH 1	DIRECT OPTICS ^{3, 4} Specify the total length for each required optic.			MRO COLOF
SQUHUBACOP						
SQUHUBACOP -	DI -	#FT#IN 2 - Specify the total nominal	MRO18 5 - 18 degree Miniature Reflector Optic	FT	IN	WH 7 - White
Squero Hubs	Direct/Indirect	length (#) in 1' and/or 1" increments	MRO35 5 - 35 degree Miniature Reflector Optic	FT	IN	BK 7 - Black
Acoustix Pendant	D - Direct	Continuous runs: lengths over 12'	MRO55 ⁵ - 55 degree Miniature Reflector Optic	FT	IN	NA - Not applicable
		Continuous runs. lengths over 12	MBPL ⁶ - Matte Black Parabolic Louver	FT		аррисавіс
		¹ Total luminaire length should equal the sum of all the direct optic lengths.	MPL ⁶ - Matte Parabolic Louver	FT		⁷ Only available with MRO opti
		² Minimum section length is 2'.	SPL ⁶ - Specular Parabolic Louver	FT		WILLI MRO OPLI
			HLO - High-Efficiency Lambertian Optic	FT	IN	
			BLA - Blank	FT	IN	
			³ Specify MROs in 6" increments, Parabolic Louvers in 1' increments, HLO Blank in 1" increments. ⁴ The minimum total length per louver/optic must be 2' in each section of Not available with BIOS. ⁶ Not available with BIOSTU.		ts, and	

INDIRECT OPTIC Specify NA for Direct fixture	LIGHT SOURCE	CRI	DIRECT LUMEN PACKAGE	INDIRECT LUMEN PACKAGE Specify NA for Direct fixture	COLOR TEMP.
WIO2 ⁸ - Widespread Indirect Optic TIO ⁹ - Translucent Indirect Optic NA - Not applicable	SW - Static white BIOSST ¹⁰ - BIOS	80CRI - 80+ CRI 90CRI ¹¹ - 90+ CRI	350LMF - Eco low output 350 lm/ft 500LMF - Low output 500 lm/ft 750LMF - Medium output 750 lm/ft	350LMF - Eco low output 350 lm/ft 500LMF - Low output 500 lm/ft 750LMF - Medium output 750 lm/ft	27K ¹⁶ - 2700K 30K - 3000K 35K - 3500K
⁸ Not available with BIOSTU. ⁹ Not available with BIOS.	Biological Static BIOSDY 10 - BIOS Biological Dynamic	¹¹ Not available with BIOS.	1000LMF ^{12, 13} - High output 1000 lm/ft NA - Not applicable	1000LMF ^{14, 15} - High output 1000 lm/ft NA - Not applicable	40K - 4000K 50K ¹⁶ - 5000K
	BIOSTU 10 - BIOS Biological Tunable		¹² Not available with MBPL optic. ¹³ Not available with BIOS.	¹⁴ For Direct/Indirect, Direct must not exceed 750 lm/ft.	¹⁶ Not available with BIOS.
	¹⁰ See page 10 for details.			¹⁵ Not available with BIOS.	

HUB TYPE, DEGREE A Specify quantity (#) for each		ACCENT HUB PLATE COLOR Specify NA for Flush Hubs	VOLTAGE	DRIVER 19	ELECTRICAL
COLOR ACCENT HUBS #HCV45 - Hub "V" 45° #HCV60 - Hub "V" 60° #HCV90 - Hub "V" 90° #HCV120 - Hub "V" 120° #HCS - Hub Straight #HCT - Hub "T" #HCYR - Hub "Y" Right #HCYL - Hub "V" Left	#HFV45 - Hub "V" 45° #HFV60 - Hub "V" 60° #HFV90 - Hub "V" 90° #HFV120 - Hub "V" 120° #HFS - Hub Straight #HFT - Hub "T" #HFYR - Hub "V" Right	W - Matte white AL - Aluminum B - Matte black RAL1028 - Yellow RAL2004 - Orange RAL3020 - Red RAL4010 - Magenta RAL5002 - Blue RAL6018 - Green	120V - 120V 277V - 277V UNV - 120V-277V 347V ¹⁸ - 347V ¹⁸ Available with D1 driver only.	D1 - 1% 0-10V ELV ²⁰ - ELV 120V TRI ²⁰ - TRIAC 120V DA ²¹ - DALI LDE1 ²¹ - Lutron Hi-lume 1% Eco ELD1 - eldoLED 1% ECOdrive 0-10V ELD0 - eldoLED 0.1% SOLOdrive 0-10V	IC - 1 circuit 2C ²² - 2 circuits #MC ²³ - Multi circuit EC - Emergency-powered fixture NL - Night light fixture DL - Daylight fixture GTD ^{24, 25} - Generator transfer device fixture
#HCY120 - Hub "Y" 120° #HCY135 - Hub "Y" 135° #HCPL - Hub "+" #HCX - Hub "X"	#HFY120 - Hub "Y" 120° #HFY135 - Hub "Y" 135° #HFPL - Hub "+" #HFX - Hub "X"	CF# - Custom finish, specify RAL# NA - Not applicable		¹⁹ PoE (Power-over-Ethernet) compatible. Consult factory for details. ²⁰ Available with 120V only. ²¹ On-site commissioning is required.	 Available for Direct/Indirect only. Separate direct and indirect circuits. Specify total number of circuits (#). Provide drawing or layout specifications. Minimum 4' section per circuit. Minimum 4' fixture. Not available with 347V.

MOUNTING ²⁶	FINISH ²⁷	ACOUSTIC PANEL 28, 29, 30	FELT	COLC	OR 31, 32								
						1						1	
ACS - Aircraft cable,	W - Matte white	#ASQU(X) - Square	STAN	DARD		PRE	MIUM	33				MAI	DERA 33
standard ACC() - Aircraft cable,	AL - Aluminum B - Matte black	#AREC(XY) - Rectangle #ATRI(X) - Triangle	F	WN	LVN		PKN	CDI	4	IVN	BHN		NON
custom	CF# - Custom finish, specify RAL#	#AHEX(X) - Hexagon	F	ON	LEN		OGN	LCN	ı	SLN	CFN		BEN
²⁶ Standard canopies are black for black fixtures,	27 Blank and Hub finish	²⁸ Specify quantity (#), nominal length (X) and width (Y) in 1' and/or 1" increments.	l	ON	CYN		LNN	SYN		CNN	GRN		TKN
and white for all other finishes. See page 3 for	will match fixture finish.	²⁹ Separate codes with a "+" if more than one is specified, e.g. 3ATRI(2FT)+1AREC(2FTX3FT).	Т	ВИ	PMN		LMN	BLN	1	GHN	MON		GAN
full details on standard and custom options.		³⁰ See page 3 for ordering details.	N	MDN	FGN	*	EGN	NVI	4	CLN	ESN		
			32 See		des with a "+" or felt color d nay vary.								











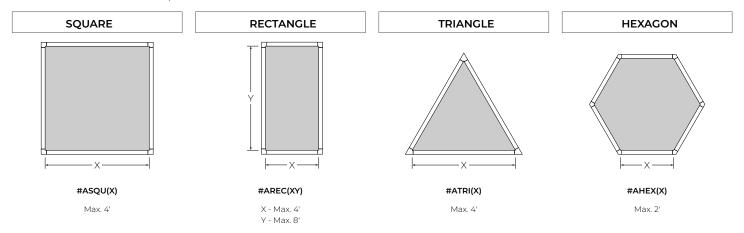




PENDANT

STATIC WHITE, BIOS

Acoustic Panel Options



Pendant Mounting Code

Standard

For a standard mounting, please refer to the information below.

MOUNTING

ACS - Aircraft cable, standard

- ∙Ø 5" for power canopy
- Ø 3" for non-power canopy
- \cdot Canopies are black for black fixtures, and white for all other fixture finishes
- · Power cord is black for black fixtures, and white for all other fixture finishes
- · Aircraft cable length is 36"

Custom

Aircraft Cable

For a custom mounting, specify the options in the parentheses.

Example: ACC(3NPC-72IN-W-PCB-NA)

MOUNTING	i				
ACC()					
	NON-POWER CANOPY SIZE	AIRCRAFT CABLE LENGTH	CANOPY FINISH	POWER CORD COLOR	OPTION
ACC	3NPC - Ø 3" non-power canopy 5NPC - Ø 5" non-power canopy	36IN - 36" 72IN - 72" 120IN - 120" #IN 1 - Other lengths, specify in inches	W - Matte white AL - Aluminum B - Matte black CF# - Custom finish, specify RAL#	PCW - White PCB - Black	SEM ² - Seismic mounting SLC ² - Sloped ceiling for aircraft cable NA - None ² Not available with the Ø 3* non-power canopy size.
		¹ Maximum length is 288". For longer lengths, please consult factory.			











PENDANT STATIC WHITE, BIOS

Felt Color 1

STANDARD



MADERA²



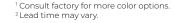
NON - NATURAL OAK BEN - BEECH







GAN - GREY ASH













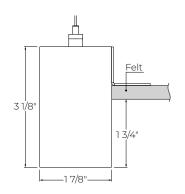


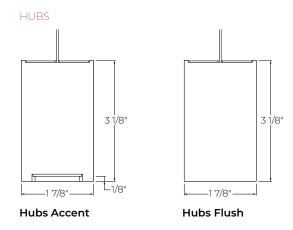




PENDANT STATIC WHITE, BIOS

Dimensions

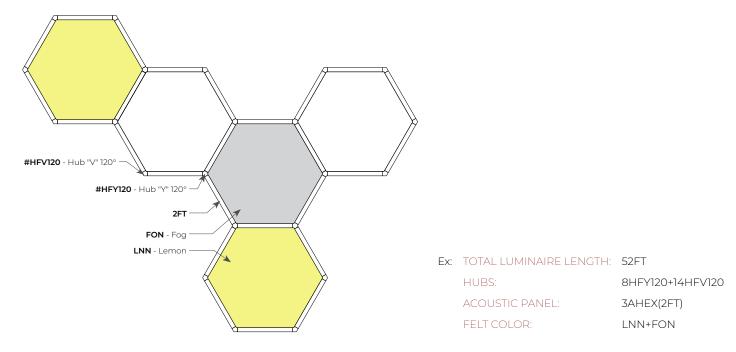




Form and Shape

A drawing of your configuration is required - anything from a line drawing to an architectural drawing. List the optics for each section and identify the Hub type, degree and quantity, as well as all other specifications in the code. Make sure to follow the guidelines specified in the order code:

- MROs in 6" increments;
- Parabolic Louvers in 1' increments;
- HLO in 4" increments;
- Blank in 1" increments.
- The minimum total length per louver/optic must be 2' in each section of the fixture.
- Minimum length per section: 2'.
- Maximum length per section: 12'.







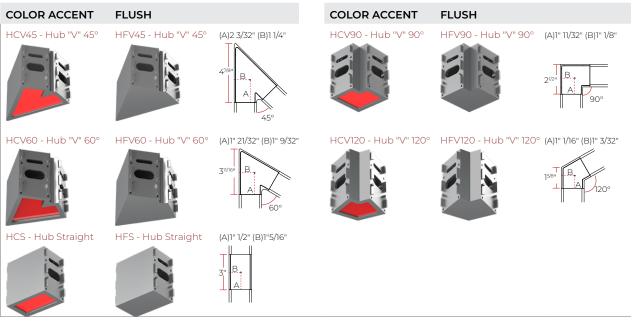




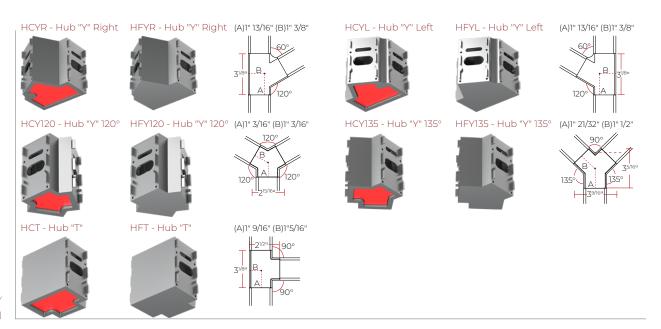


PENDANT STATIC WHITE, BIOS

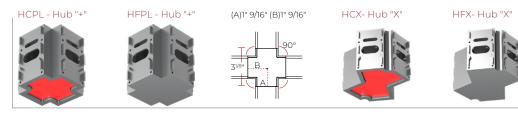
Hub Options



2-WAY CONNECTION



3-WAY CONNECTION



4-WAY CONNECTION







(A)2" 1/4" (B)2" 1/4"





PENDANT

STATIC WHITE, BIOS

Photometrics

Values calculated based on a 4' fixture at 3500K and 80+ CRI for all optics.

DIRECT OPTICS



LM/FT	W/FT	LM/W
350	2.7	130
500	4.0	125
750	6.4	118
1000	9.1	110



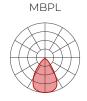
LM/FT	W/FT	LM/W
350	2.9	121
500	4.3	116
750	6.9	108
1000	9.9	101

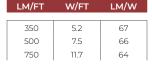


LM/FT	W/FT	LM/W
350	3.2	109
500	4.8	104
750	7.7	97
1000	11.0	91



LM/FT	W/FT	LM/W
350	3.1	112
500	4.6	108
750	7.3	103
1000	10.2	98







LM/FT	W/FT	LM/W
350	3.5	99
500	5.1	98
750	7.7	98
1000	10.6	95



LM/FT	W/FT	LM/W	
350	3.1	113	
500	4.4	113	
750	6.7	112	
1000	9.1	109	

MULTIPLIER TABLES - CCT/CRI

Use these tables to get results for different color temperatures and CRI for all Direct and Indirect photometric tables.

MRO18 / MRO35 / MRO55

1.11(010) 1.11(000) 1.11(000					
сст	WATTS		LPW		
CCI	80+ CRI	90+ CRI	80+ CRI	90+ CRI	
2700K	1.04	1.19	0.96	0.84	
3000K	1.00	1.15	1.00	0.87	
3500K	1.00	1.12	1.00	0.89	
4000K	0.99	1.10	1.01	0.91	
5000K	0.94	1.06	1.06	0.94	

MBPL/MPL/SPL

	. 18. 2, 2, 0. 2							
	CCT		ATTS LPW		w			
			90+ CRI	80+ CRI	90+ CRI			
	2700K	1.04	1.19	0.96	0.84			
	3000K	1.00	1.15	1.00	0.87			
	3500K	1.00	1.12	1.00	0.89			
	4000K	0.99	1.10	1.01	0.91			
	5000K	0.94	1.06	1.06	0.94			

HLO

ССТ	WATTS		LPW	
		90+ CRI	80+ CRI	90+ CRI
2700K	1.05	1.27	0.95	0.79
3000K	1.02	1.23	0.98	0.81
3500K	1.00	1.19	1.00	0.84
4000K	1.00	1.19	1.00	0.84
5000K	0.96	1.12	1.04	0.89











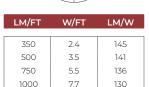
PENDANT

STATIC WHITE, BIOS

Values calculated based on a 4' fixture at 3500K and 80+ CRI for all optics.

INDIRECT OPTICS







LM/FT	W/FT	LM/W
350	2.8	127
500	4.0	124
750	6.3	119
1000	8.8	114

MULTIPLIER TABLES - CCT/CRI

Use these tables to get results for different color temperatures and CRI for all Direct and Indirect photometric tables.

WIO2/TIO

ССТ	WA	TTS	LPW	
ССТ	80+ CRI	90+ CRI	80+ CRI	90+ CRI
2700K	1.05	1.27	0.95	0.79
3000K	1.02	1.23	0.98	0.81
3500K	1.00	1.19	1.00	0.84
4000K	1.00	1.19	1.00	0.84
5000K	0.96	1.12	1.04	0.89

DIRECT/INDIRECT - LPW CALCULATION

For Direct/Indirect performance values, follow the formula.

$$\frac{\left(\begin{array}{ccc} \text{DIRECT} \\ \text{LM/FT} \end{array} \right. + \begin{array}{ccc} \text{INDIRECT} \\ \text{LM/FT} \end{array} \right)}{\left(\begin{array}{ccc} \text{DIRECT} \\ \text{W/FT} \end{array} \right. + \begin{array}{ccc} \text{INDIRECT} \\ \text{W/FT} \end{array} \right)} = \text{LPW}$$











PENDANT

STATIC WHITE, BIOS

Acoustic Calculator

Use the Lumenwerx Acoustix Value Calculator table to 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'.



- (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					
⊕ GOOD	25%				
⊕⊕ BETTER	40%				
⊕⊕⊕ BEST	50%				

(3) Use the Lumenwerx Acoustix Value Formula to determine the number of acoustic panels needed in the room.

Square feet ÷ Value = Number of acoustic panels

Example:

Luminaires: Squero Hubs Acoustix, Hexagon 2' Room square feet: L: 20 ft x W: 18 ft = 360 sq ft Desired acoustical improvement: Better = 8 Number of acoustic panels needed in the room: 360 ÷ 8 = 45 acoustic panels

- You can mix lit and blank fixtures.
- Lumenwerx acoustic calculators were developed to act as a guide. For precise acoustic performance in a space, please consult an acoustician.

	Room dimensions under 300 sq ft		Room dim	ensions ove	er 300 sq ft		
ACOUSTIC PANEL		GOOD	BETTER	BEST () ()	GOOD <u></u>	BETTER	BEST
Square	2' x 2'	29	14	8	45	22	14
	3' x 3'	13	6	4	20	10	6
	4' x 4'	7	4	2	11	6	4
Rectangle	2' x 3'	19	9	5	30	15	9
	2' x 4'	15	7	4	23	11	7
	2' x 5'	12	6	3	18	9	6
	2' x 6'	10	5	3	15	7	5
	2' x 7'	8	4	2	13	6	4
	2' x 8'	7	4	2	11	6	4
	3' x 4'	10	5	3	15	7	5
	3' x 5'	8	4	2	12	6	4
	3' x 6'	6	3	2	10	5	3
	3' x 7'	6	3	2	9	4	3
	3' x 8'	5	2	1	8	4	2
	4' x 5'	6	3	2	9	4	3
	4' x 6'	5	2	1	8	4	2
	4' x 7'	4	2	1	6	3	2
	4' x 8'	4	2	1	6	3	2
Triangle	2'	67	32	18	104	51	32
	3'	30	14	8	46	23	14
	4'	17	8	5	26	13	8
Hexagon	2'	11	5	3	17	8	5









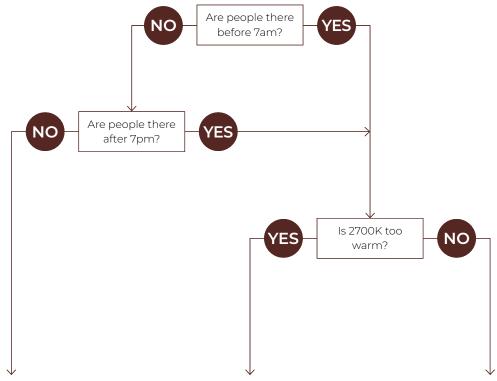




PENDANT STATIC WHITE, BIOS

BIOS

Three BIOS Circadian LED solutions are offered – Biological Static, Biological Dynamic, and Biological Tunable. Use the decision tree below to identify when and where to use BIOS Wellness LED Lighting Solutions.



Biological Static BIOSST	Biological Dynamic BIOSDY	Biological Tunable BIOSTU	
No CCT change when dimmed	500K shift when dimmed	Dims to 2700K	
Daytime solution	Daytime + evening solution	Daytime + evening solution	
Spaces in operation during daytime hours, between 7am and 7pm	Spaces in operation overnight, after 7pm and before 7am, and when CCT color shift in the evening is not preferred	Suitable for spaces in operation overnight, after 7pm and before 7am, and where people do not sleep (CCT color shift in the evening is preferred)	
E.g. offices, medical/dental offices	E.g. hospitals	E.g. offices, shiftwork	
95 423 465 500 140 500 140 170 140 170 140 170	Daytime	Doytime Full BIOS SkyBlue 14 (490nm) Bio-Dimming M Evening BIOS SkyBlue M Removed State 100 860 500 860 860 860 760 780 780 780	











PENDANT

STATIC WHITE, BIOS

Technical Specifications

Miniature Reflector Optic (MRO)

Locates individual, precisely molded TIR elements over each LED emitter, and further shield the source with precise parabolic reflectors. The controlled beam is remarkably comfortable especially in a small LED luminaire.

MRO is available in a specular black or gloss white finish and creates a distinctive visual texture.

Different TIR elements offer a choice of beam spreads: narrow (18° with SC of 0.3), medium (35° with SC of 0.6), and wide (55° with SC of 0.9). These concentrated distributions can provide effective task illumination in a variety of applications.

Each MRO module is 6" long with five optical chambers.





Parabolic Louvers (MBPL, MPL & SPL)

Parabolic Louver Optics provide excellent shielding and a pleasing crisp visual texture. The precisely molded louvers consist of 1" deep blades and side reflectors with shielding of 50° lengthwise and 45° crosswise.

The parabolic contour of the blades and side reflectors direct light into a comfortable downlight distribution with a spacing criterion of 1.1, while minimizing shadows from the LED array above each cell.

Three finishes are available: matte black, matte, and specular. Specular (SPL) provides higher efficacy, sharper cut-off, and an ultra quiet appearance at shallow viewing angles. Matte (MPL) offers a softer appearance, a wider beam spread, and gentle brightness transition at cut-off. Matte black (MBPL) offers the lowest UGR in Squero as the black parabolic louver is very quiet and glare free. The UGR is the best in class rating of under 10.







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. For visual comfort, avoid high lumen output unless Squero is installed in a high ceiling application. Spacing criteria: 1.2 (longitudinal) x 1.1 (lateral).



Blank (BLA)

Blank covers provide spacing - functional or rhythmic - in the direct component of a Squero Combination luminaire. Covers are sized according to the Combination design, finished to match the luminaire housing, and snap into the aperture.



INDIRECT OPTICS

Widespread Indirect Optic (WIO2)

The Widespread Indirect Optic (WIO2) is a horizontal LED array with a widespread indirect micro prismatic optic that offers an impressive 160° spread. WIO2 creates an even illumination for smooth brightness on the ceiling that can achieve uniformity ratios of up to 2:1.

Uniformity [max/min]

Based on 18' continuous runs, in a 20' x 40' room, 10' wall height

Mounting height	Spacing (Center to center)				
from ceiling	8'	10'	12'		
12"	5.5	10.0	9.0		
18"	3.5	6.0	6.0		
24"	2.5	4.0	4.5		

Translucent Indirect Optic (TIO)

The Translucent Indirect Optic (TIO) is composed of a horizontal LED array that has a translucent lens to mask pixilation from the diodes. TIO has a 100° spread in the indirect that is ideal when the fixture is mounted farther away from the ceiling.

Static white

Custom linear array of high-flux LEDs mounted onto aluminumbacked circuitry with quick-connect wiring to facilitate service and optimize thermal management. Available in 2700K, 3000K, 3500K, 4000K, and 5000K with a minimum 80+ CRI and an option for 90+ CRI with elevated R9 value. Color consistency maintained to within 3 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.











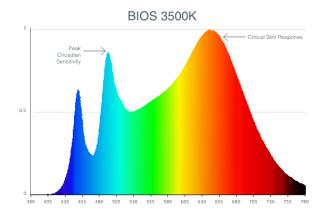


PENDANT

STATIC WHITE, BIOS

BIOS

BIOS SkyBlue™ Technology is designed to provide the specific circadian stimulus to improve overall sleep quality, recovery during the night, and overall feelings of well-being. The non-visual light signals that stimulate our circadian system have peak intensity in the "sky blue" region. As the diagram below illustrates, BIOS SkyBlue technology shifts the peak LED spectral intensity (490 nm) to align better with the peak response of circadian stimulus. Also note the enhanced deep-red (near 660 nm) spectrum.



Three BIOS solutions are offered: BIOS Biological Static (BIOSST), BIOS Biological Dynamic (BIOSDY), and BIOS Biological Tunable (BIOSTU). See page 10 for details.

WELL BUILDING STANDARD



WELL for Light: The WELL building standard focuses on light quality in several features. There are three categories that are fully attributed to the constriction 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 LO4 Glare Control, and Feature L07 Electric Light Quality.

This fixture meets Features:

- Feature 54 or L03 when BIOS LED is selected
- Feature 55 or LO4 meets WELL glare category (b-c-d)
- Feature 58 or L07 when 90+ CRI 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.

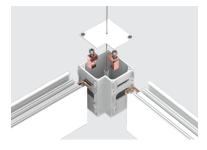
For more information, please contact well@lumenwerx.com

LUMINAIRE LENGTH

Squero Hubs Acoustix can create an endless variety of forms and shapes, from geometric simplicity to organic networks. Hubs provide the vertices between Squero luminaires. Luminaire sections are available in 1' and/or 1" increments, from 2' to 12'; they can be joined to create longer runs. The minimum length is 2'.

HUBS

Digitally milled aluminum with draw-tight cleat of machined steel provides easy and clean installation. Cable suspension at each Hub, power feed where specified.















PENDANT

STATIC WHITE, BIOS

COLOR ACCENT HUBS

Optional; gloss-finished steel plate in choice of nine colors, retained by neodymium magnet, no visible fasteners, and regressed 1/8". Custom finishes are also available.



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.

PoF

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.

MOUNTING

Pendant fixtures can be mounted with aircraft cable. See page 3 for details.

FINISH

Interior: 95%, reflective matte powder coated white paint Exterior: Matte white, matte black, or aluminum powder coating. Custom finishes are also available.

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 by wiping down with a clean, dry or damp, soft, lint-free cloth, or vacuum.

CONSTRUCTION

Housing: Extruded aluminum, up to 90% recycled content Interior brackets: Die-formed cold rolled steel sheet

Hubs: Digitally milled from solid aluminum

Locking: Draw-tight french cleat of machined-steel with screw fastening

Top panel: Removable for access to wiring and cable; finished to match luminaire modules

Bottom panel: Milled in place, flush to the bottom of luminaire modules

Color accent plate: Gloss-finished steel plate

Louvers: Injection molded optical grade polycarbonate, up to 95% reflective

Light guide: Clear PMMA laminated with microstructure film

formed into optical TIR/extraction form

End caps: Die-cast aluminum

Hanger: Chromed griplock securely attached in end caps and/or

joiners with stainless steel hardware

Aircraft cable suspension: Ø 1/16" stainless steel aircraft cable

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.









