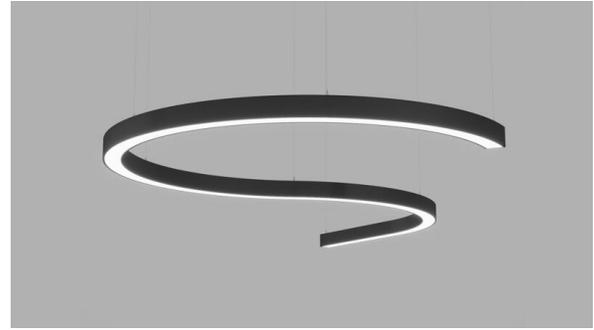




SQUIGGLE™

FULL SPECIFICATION SHEET



FIXTURE TYPE



FIXTURE CODE



QUANTITIES

1 DESCRIPTION

SQUIGGLE goes wherever you need it to be. It is a dynamic curvilinear light system that flows with architectural design. Choose curves of various radii, straight runs, and joiners to design a distinct light configuration that wraps around structural elements and becomes part of the architectural character. A versatile fixture with multiple color temperature and RGBW options, **SQUIGGLE** can be made with multiple sections, all with unique features and lumen outputs. The 10 robust finish options and 3 wood grain finishes adds an additional dimension of panache to an already unique fixture.

2 OPTICS & FEATURES



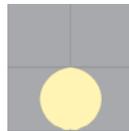
Suspended
Direct



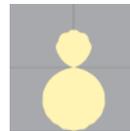
Suspended
Direct/Indirect



RGBW



Direct



Direct-indirect



Declare



PoE

3 APPROVALS



4 GENERAL SPECIFICATION

SUSPENSION

Steel cables. Recommended minimum mounting heights from ceiling: 305mm/12" for White LEDs and 610mm/24" for Colored LEDs (Only for Direct/Indirect version).

BODY AND TRIM

Steel and aluminum.

DRIVERS FOR RGBW

Integral HPF electronic drivers/DMX interfaces for 120-277V (EU-240V). Luminaires require a DMX controller by others. The driver is integral to the fixture housing.

POE

Squiggle can integrate into your data network via Power over Ethernet (PoE) connectivity.

INTEGRAL EMERGENCY SYSTEM

Emergency option provides a 1.5 hour (3 hours for EU) emergency lighting facility. The self contained system includes the inverter module, NiCad batteries, LED charge indicator and test switch (NA only). Not available with a 347V supply.

MECHANICAL

Luminaires mount directly over J box (by others - North America only).

L70 @25°C(77°F)

> 50,000 hrs.

ORDERING EXAMPLE

To Create an "S Shape" order as follows:

Qty 4 - AX6/J3/K0/F2/D1/L0/C0/W0/U0 (Four curve sections)

Qty 2 - AX22/F2 (End caps)

Qty 3 - AX23 (Connectors)

Qty 1 - AX25/F2 (Power cord)

Each line to be ordered separately

Please note: Add 2 end caps per run and 1 power cord per 10 meter/32.8ft run.

FINISH

Powder coated for standard finishes (black, Silver Metallic & white). For wood grain finishes, the canopy will be white.

POWER CABLE

Silver braided.

DRIVERS FOR WHITE LED,

integral, HPF electronic drivers for 120-277V (EU-240V). The driver is integral to the fixture housing.

LENS

Opal polycarbonate direct/Clear polycarbonate indirect.

ELECTRICAL

Luminaires are pre-wired with a factory installed branch circuit wiring with quick connectors. Through wiring is used to connect individual luminaires.

DELIVERED LUMENS

Delivered lumens & LPW based on 4000K (min 80 CRI) for White LEDs only.

APPROVALS

Damp rated.

SEISMIC BRACING

Seismic bracing kits are available to meet compliance requirements. Consult the factory for details.

SUSTAINABILITY

Designed for on-site LED board, driver, and optic replacement.
 Contact the factory for maintenance documentation.

5 DESIGN OPTIONS

FINISH



¹ The canopy will be white for wood grain finishes and may incur longer lead times and setup charges. Consult factory for details.

6 HOW TO ORDER

1. SECTIONS (SEE ORDERING EXAMPLE ABOVE)

- | | | | |
|--|---|---|---|
| AX1 Curve 16, 2057 lms | AX2 Curve 30, Direct, 4081 lms | AX3 Curve 42, Direct, 8167 lms | AX4 Curve 48, Direct, 8864 lms |
| AX5 Curve 54, Direct, 10132 lms | AX6 Curve 72, Direct, 10294 lms | AX7 Straight 28, Direct, 2660 lms | AX27 Straight 36, Direct, 3430 lms |
| AX8 Straight 47, Direct, 3800 lms | AX9 Straight 72, Direct, 6883 lms | AX10 Straight 95, Direct, 9154 lms | AX11 Curve 30, Direct/Indirect, 73/27 Ratio, 5568 lms |
| AX12 Curve 42, Direct/Indirect, 66/34 Ratio, 12260 lms | AX13 Curve 48, Direct/Indirect, 68/32 Ratio, 12983 lms | AX14 Curve 54, Direct/Indirect, 71/29 Ratio, 14318 lms | AX15 Curve 72, Direct/Indirect, 71/29 Ratio, 14444 lms |
| AX16 Straight 28, Direct/Indirect, 70/30 Ratio, 3320 lms | AX28 Straight 36, Direct/Indirect, 70/30 Ratio, 4914 lms | AX17 Straight 47, Direct/Indirect, 70/30 Ratio, 5510 lms | AX18 Straight 72, Direct/Indirect, 70/30 Ratio, 9853 lms |
| AX19 Straight 95, Direct/Indirect, 70/30 Ratio, 13740 lms | AX20 Cross, Direct, 4150 lms | AX21 Corner, Direct, 1900 lms | AX22 End Cap |
| AX23 Connector SC ¹ | AX24 Connector TC ² | AX25 Power feed & canopy SC ¹ | AX26 Power feed & canopy TC ² |
| AX30 RGBW connector SC ¹ | AX31 RGBW connector TC ² | AX33 RGBW power feed & canopy | AX29 RGBW dim. power feed & canopy TC ² |
| AX32 RGBW dim. connector TC ² | AXCST01 Custom Shape Required | | |

We highly recommend you supply a drawing to allow us to verify you have quoted correctly. A drawing will be required at the time of order placement.

Cross and Corner sections (AX20 & AX21 respectively) are direct light only and can be used with both Direct and Direct/Indirect sections. Corner sections and Curve 16 section **cannot** be used as stand alone fixtures. End caps & connectors are complete with cable suspension.

Power feed and canopy: One feed for every 12m/40' of the circumference.

Recommended minimum suspension length from ceiling: 12" for White LEDs, 24" for Colored LEDs.

¹ SC = Single Circuit² TC = Twin Circuit

2. CRI

- | | |
|---------------------|---------------------|
| CR80 CRI 80+ | CR90 CRI 90+ |
|---------------------|---------------------|

RGBW: To calculate wattage, reference IES files. Only available with 80 CRI.

3. CCT/COLOR (DIRECT)

- | | | | |
|-----------------|-----------------|-----------------|---------------|
| J2 3000K | J3 3500K | J4 4000K | J7 Red |
| J8 Green | J9 Blue | J10 RGBW | |

RGBW: to calculate wattage, reference IES files.

4. CCT/COLOR (INDIRECT)

K0 Indirect CCT not required	K2 3000K	K3 3500K	K4 4000K
K7 Red	K8 Green	K9 Blue	K10 RGBW

RGBW: to calculate wattage, reference IES files.

5. FINISH

F1 White	F2 Black Metallic Textured	F20 Silver Metallic Textured	FA25 Gold Metallic – Textured
F27 Wood grain – Light Cherry ¹	F28 Wood grain – Dark Walnut ¹	F30 Wood grain – White Oak ¹	FA44 Midnight Blue Metallic – Textured
FA45 Copper Metallic	FA46 Charcoal Metallic – Textured	FA47 Bronze Metallic – Textured	FA52 Champagne Metallic
FA53 Red Metallic – Textured			

¹ The canopy will be white for wood grain finishes and may incur longer lead times and setup charges. Consult factory for details.

6. DIMMING (DIRECT)

CB0 Direct dimming not required	CB1 0–10V Dimming 1.0%	CB2 0–10V Dimming 0.1% ¹	CB3 347V, 0–10V Dimming (1.0%)
CB4 DALI Dimming 0.1% ¹	CB5 DALI Dimming 1.0% ¹	CB6 DSI (EU only) ^{1 2}	CB7 switchDim (EU only) ^{1 2}
CB11 DMX Dimming	CB12 PoE ³		

¹ Not available in 347V. ² Not available in North America. ³ Must be used with EV only.

7. DIMMING (INDIRECT)

CC0 Indirect dimming not required	CC1 0–10V Dimming 1.0%	CC2 0–10V Dimming 0.1% ¹	CC3 347V, 0–10V Dimming (1.0%)
CC4 DALI Dimming 0.1% ¹	CC5 DALI Dimming 1.0% ¹	CC7 switchDim (EU only) ^{1 2}	CC11 DMX Dimming
CC12 PoE ³			

¹ Not available in 347V. ² Not available in North America. ³ Must be used with EV only.

8. LUMEN OUTPUT

L0 100% of standard output	L1 Lumen & wattage reduction to approximately 75% of standard output	L2 Lumen & wattage reduction to approximately 50% of standard output	L3 Lumen & wattage reduction to approximately 25% of standard output
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Note: Custom reduction percentages available upon request.

9. EMERGENCY

E0 Not required **E1** Emergency system - integral,
not available with CB3 or SAX1

10. CONTROLS

C0 Controls not required **C1** Encelium/Zigbee control

11. SEPARATE SWITCHING

W0 Single circuit **W1** Separate Switching

12. LENS

U0 Not required **U1** Clear **U2** Opal ¹

13. OPTIONAL LOW VOLTAGE

EV Low Voltage

¹ To be used with CB12 & CC12 only.

7 TECHNICAL DATA

SECTIONS

We highly recommend you supply a drawing to allow us to verify you have quoted correctly. A drawing will be required at the time of order placement.

Cross and Corner sections (AX20 & AX21 respectively) are direct light only and can be used with both Direct and Direct/Indirect sections. Corner sections and Curve 16 section **cannot** be used as stand alone fixtures. End caps & connectors are complete with cable suspension.

Power feed and canopy: One feed for every 12m/40' of the circumference.

Recommended minimum suspension length from ceiling: 12" for White LEDs, 24" for Colored LEDs.

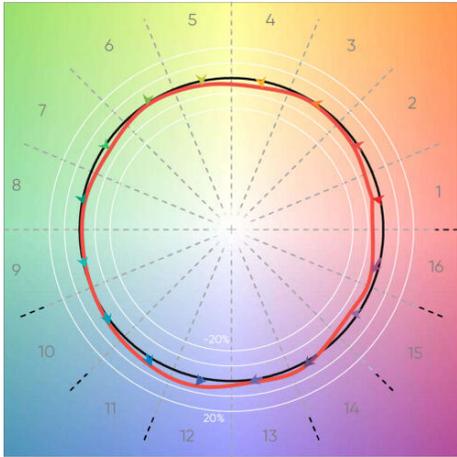
¹ SC = Single Circuit² TC = Twin Circuit

Code	AX1	AX2	AX3	AX4	AX5	AX6
Section	Curve 16	Curve 30	Curve 42	Curve 48	Curve 54	Curve 72
Arc°	90°	90°	120°	120°	120°	90°
Radius	16"	30"	42"	48"	54"	72"
Length						
Down/Up Ratio	100/0	100/0	100/0	100/0	100/0	100/0
Wattage	21W	41W	83W	90W	104W	104W
Delivered lms	2057	4081	8167	8864	10132	10294
(White LEDs only)						
LPW	99	98	98	98	97	99
Code	AX7	AX27	AX8	AX9	AX10	AX11
Section	Straight 28	Straight 36	Straight 47	Straight 72	Straight 95	Curve 30
Arc°						90°
Radius						30"
Length	28"	36"	47"	72"	95"	
Down/Up Ratio	100/0	100/0	100/0	100/0	100/0	73/27
Wattage	28W	35W	40W	69W	92W	55W
Delivered lms	2660	3430	3800	6883	9154	5568
(White LEDs only)						
LPW	100	99	99	99	99	100
Code	AX12	AX13	AX14	AX15	AX16	AX28
Section	Curve 42	Curve 48	Curve 54	Curve 72	Straight 28	Straight 36
Arc°	120°	120°	120°	90°		
Radius	42"	48"	54"	72"		
Length					28"	36"
Down/Up Ratio	66/34	68/32	71/29	71/29	70/30	70/30
Wattage	125W	132W	146W	146W	35W	49W
Delivered lms	12260	12983	14318	14444	3320	4914
(White LEDs only)						

Code	AX12	AX13	AX14	AX15	AX16	AX28
LPW	98	99	98	99	101	101
Code	AX17	AX18	AX19	AX20	AX21	AX22
Section	Straight 47	Straight 72	Straight 95	Cross	Corner	End Cap
Arc°						
Radius						
Length	47"	72"	95"			
Down/Up Ratio	70/30	70/30	70/30	100/0	100/0	
Wattage	58W	97W	135W	43W	21W	
Delivered lms	5510	9853	13740	4150	1900	
(White LEDs only)						
LPW	102	102	102	98	91	
Code	AX23	AX24	AX25	AX26	AX30	AX31
Section	Connector SC ¹	Connector TC ²	Power feed & canopy SC ¹	Power feed & canopy TC ²	RGBW connector SC ¹	RGBW connector TC ²
Arc°						
Radius						
Length						
Down/Up Ratio						
Wattage						
Delivered lms						
(White LEDs only)						
LPW						
Code	AX33	AX29	AX32	AXCST01		
Section	RGBW power feed & canopy	RGBW dim. power feed & canopy TC ²	RGBW dim. connector TC ²			
Arc°						
Radius						
Length						
Down/Up Ratio						
Wattage						
Delivered lms						
(White LEDs only)						
LPW						

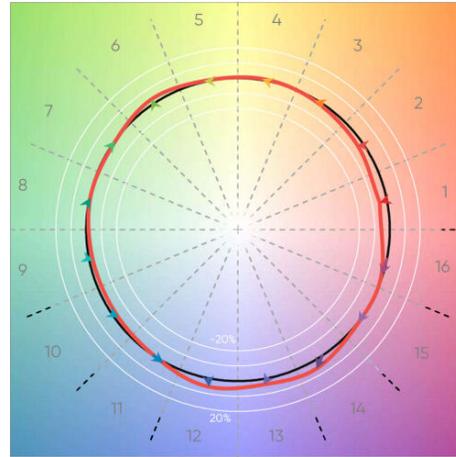
8 TM-30 DATA

CCT 2700K



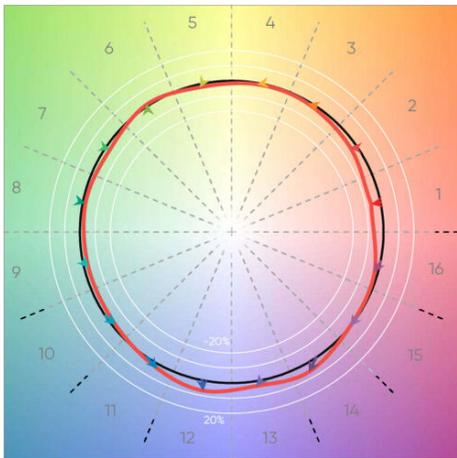
CRI(Ra)	93
CRI(R9)	61
TM30(Rf)	91
TM30(Rg)	98
Duv	-0.0022

CCT 3000K



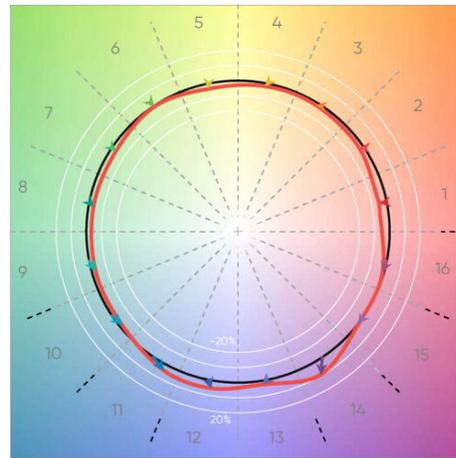
CRI(Ra)	92
CRI(R9)	58
TM30(Rf)	92
TM30(Rg)	100
Duv	-0.0003

CCT 3500K



CRI(Ra)	91
CRI(R9)	53
TM30(Rf)	90
TM30(Rg)	99
Duv	-0.0007

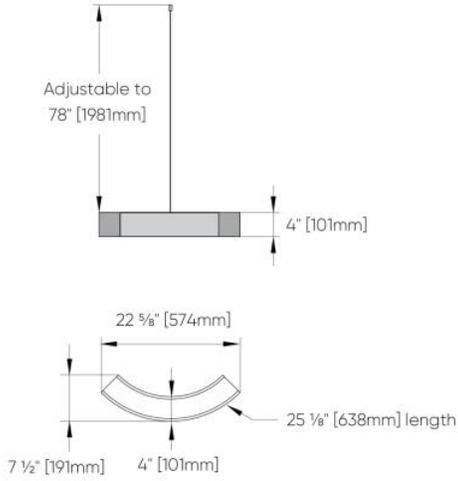
CCT 4000K



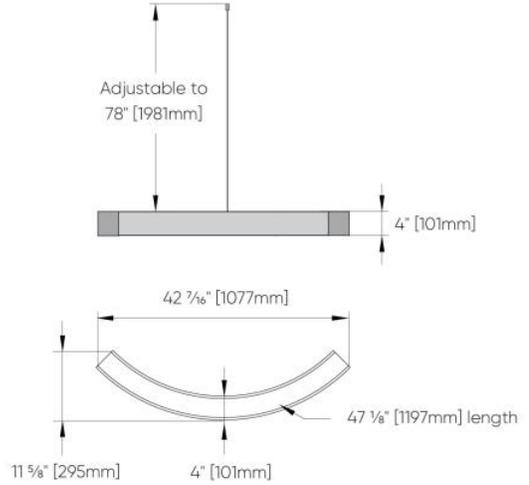
CRI(Ra)	93
CRI(R9)	64
TM30(Rf)	90
TM30(Rg)	98
Duv	0.0000

9 DIMENSIONAL DIAGRAMS

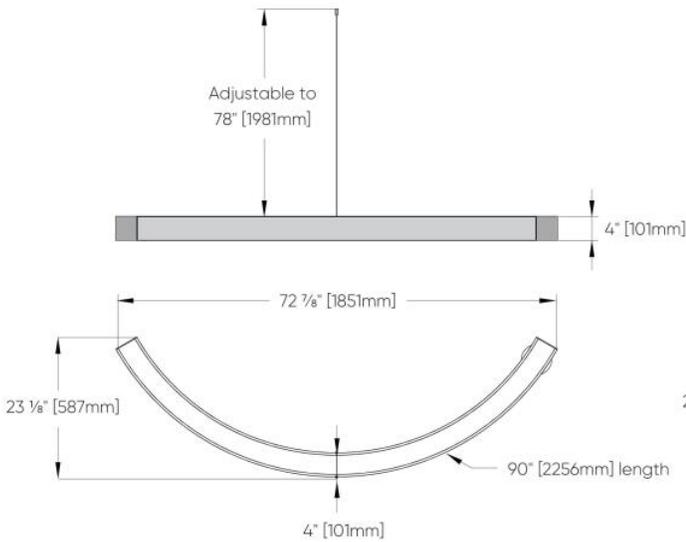
16" Radius X 90° Arc Angle



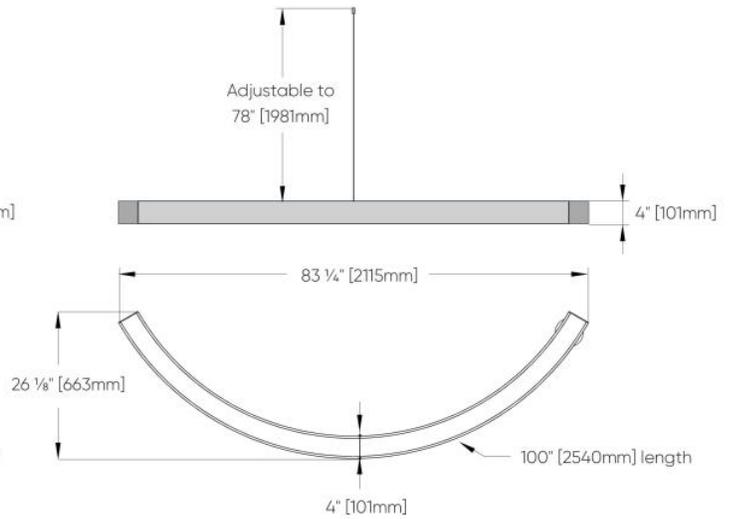
30" Radius X 90° Arc Angle



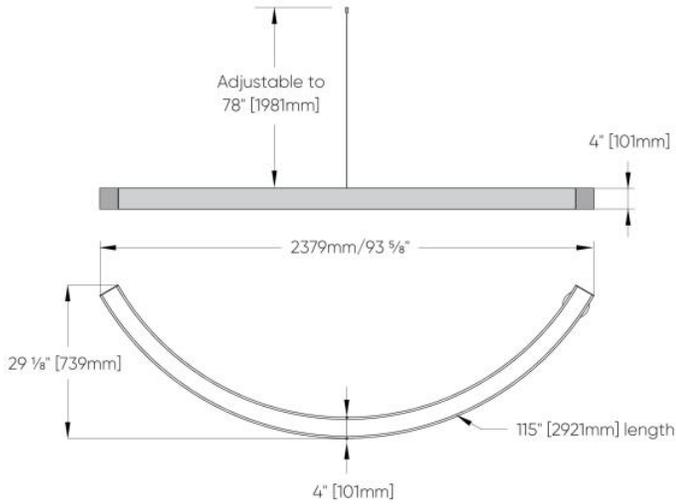
42" Radius X 120° Arc Angle



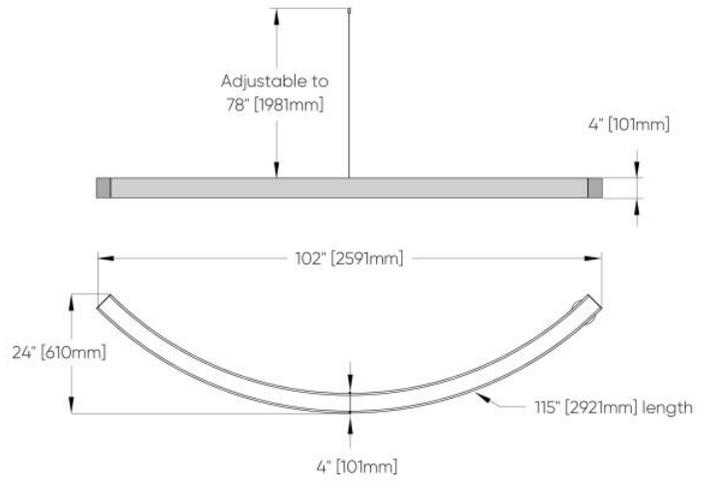
48" Radius X 120° Arc Angle



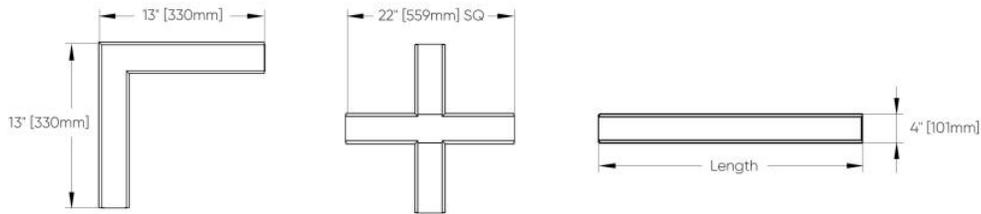
54" Radius X 120° Arc Angle



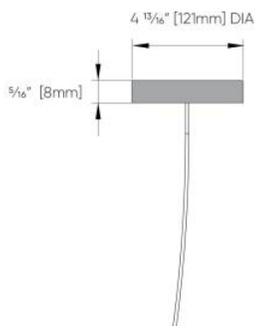
72" Radius X 90° Arc Angle



Corner, Cross & Straight Sections



Standard Canopy



RGBW/DMX Canopy

