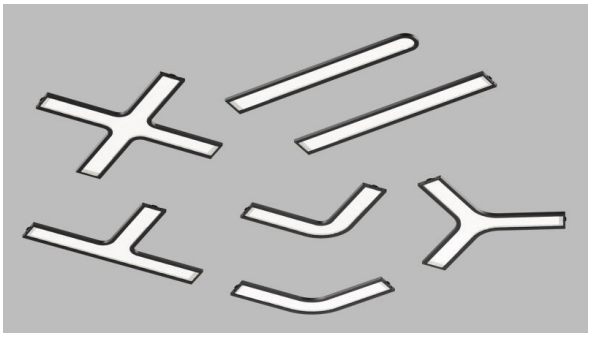
BLADE SYSTEMS

FULL SPECIFICATION SHEET



FIXTURE TYPE	FIXTURE CODE	QUANTITIES

1 DESCRIPTION

BLADE SYSTEMS brings the Light Guide Plate optics behind the BLADE circular family to linear lighting, in a body just 3/4" tall. A micro-dot pattern engraved into optical-grade acrylic converts edge-mounted LED light into smooth, uniform illumination with low glare, achieving UGR below 19 in direct/indirect configurations. Built as a true system, straight runs join with curves and X, Y, and L sections into continuous layouts that follow the architecture, from a single run over a workstation to a hexagonal pattern spanning a board room or open office. The result is comfortable, even light in whatever geometry the space calls for.

2 OPTICS & FEATURES

Suspended Direct

Suspended Direct/Indirect

DR1

DR2

DR3

DR4

DR5

DR6

DR7

Declare

3 APPROVALS

4 GENERAL SPECIFICATION

BODY AND TRIM
Steel and aluminum.

FINISH
Powder coated.

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SUSPENSION
Steel cables.

REMOTE EMERGENCY SYSTEM
Emergency option provides a 1.5 hour (3 hours for EU) emergency lighting facility. The remote system includes the inverter module, NiCad batteries and a remote wall/ceiling LED charge indicator and test switch (NA only) Maximum distance between wall/ceiling plate and luminaire is 15' (4.5m). Test switch fits a single gang box (not supplied).

ACOUSTIC PANELS NRC RATING
0.80

ACOUSTIC PANELS MATERIAL
100% recycled polyester fiber (PET).

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

REPORTED L70 @25°C(77°F)
> 102,000 hrs.

DESIGN
US Design Patent Pending.

ACOUSTIC PANEL MAINTENANCE
Durable and easy to maintain. Dust regularly and clean marks with mild detergent, rinse, and blot.

LENS
Optical grade clear polymethyl methacrylate.

DRIVERS
HPF electronic drivers for 120-277V. The driver is integral to the fixture housing.

ACOUSTIC PANELS FIRE RATING
ASTM E84-2018 Class A.

ACOUSTIC PANELS THICKNESS
12mm (0.5")

DELIVERED LUMENS
Delivered lumens & LPW based on 4000K (min 90 CRI).

APPROVALS
Damp Location (Indoor use only).

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

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5 DESIGN OPTIONS

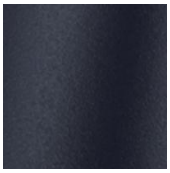
FIXTURE FINISH

White

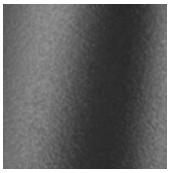
Black Metallic - Textured

Silver Metallic - Textured

Gold Metallic - Textured


Midnight Blue Metallic - Textured

Copper Metallic


Charcoal Metallic - Textured

Bronze Metallic - Textured

Champagne Metallic

Red Metallic - Textured

CANOPY FINISH

Not required

White

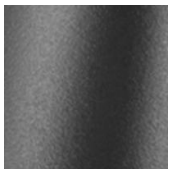
Black Metallic - Textured

Silver Metallic - Textured

Gold Metallic - Textured

Midnight Blue Metallic - Textured

Copper Metallic


Charcoal Metallic - Textured

Bronze Metallic - Textured

Champagne Metallic

Red Metallic - Textured

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ACOUSTIC PANEL FINISH

Not required

Citrus

White

Red Coffee

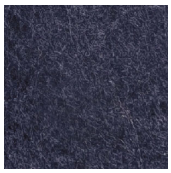
Light Gray

Apple Green

Blue

Sesame Gray

Black


Navy Peony

Pure Red

Cloudburst

Douglas Fir

Oak

Other finishes available. Contact factory.

6 HOW TO ORDER

LUMINAIRE TYPE

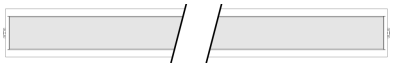
BLSP Pendant

ILLUMINATED OR NON-ILLUMINATED

LTD1 Illuminated
LTD2 Non-Illuminated (Acoustic Panel)

STRAIGHT SECTIONS

SS03Q_ _ 3ft Straight
SS04Q_ _ 4ft Straight
SS05Q_ _ 5ft Straight
SS06Q_ _ 6ft Straight
SS07Q_ _ 7ft Straight
SS08Q_ _ 8ft Straight



90° HUB SECTION

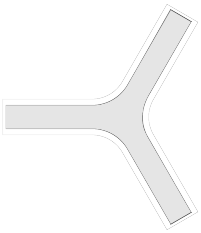
HS090Q_ _ 90° Section

120° HUB SECTION

HS120Q_ _ 120° Section

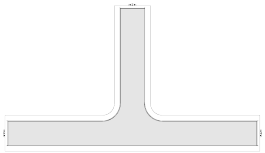
Y HUB SECTION

HS0Y0Q_ _ Y Section



T HUB SECTION

HS0T0Q_ _ T Section



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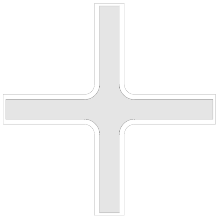
X HUB SECTION

HS0X0Q_ _ X Section



CUSTOM SHAPE

CSTQ_ _ Custom Section

STRAIGHT END CAP

ENS00 Not required

ENS_ _ Staight End Cap

CURVED END CAP

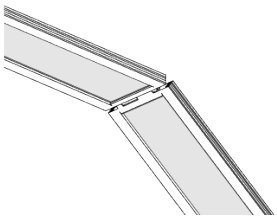
ENC00 Not required

ENC_ _ Curved End Cap

FLEXIBLE JOINER

ENF00 Not required

ENF_ _ Flexible Joiner



POWER CABLE

PC00 Not required

PC_ _ Power cable required [1]

[1] At least one power cable is required for the entire fixture (all modules combined). One power cable covers 50ft of the linear run. If it is over 50ft, make sure to add a power cable to another module within the fixture.

DISTRIBUTION

DR0 Not required

DR1 Direct 100%

DR2 Direct 60% / Indirect 40%

DR3 Direct 40% / Indirect 60%

DR4 Direct 75% / Indirect 25% (Batwing Indirect) [1]

DR5 Direct 25% / Indirect 75% (Batwing Direct) [1]

DR6 Direct 60% / Indirect 40% (Asymmetric) [1]

DR7 Direct 40% / Indirect 60% (Asymmetric) [1]

* Single circuit only. Dual circuit not supported.

[1] Batwing and Asymmetric is available with straight sections only.

LUMENS/FT

LPF000 Not required

LPF040 400 lm/ft

LPF060 600 lm/ft

LPF080 800 lm/ft

LPF100 1000 lm/ft

CRI

CR00 Not required

CR90 CRI 90+

CCT

CTA00 Not required

CTA27 2700K

CTA30 3000K

CTA35 3500K

CTA40 4000K

VOLTAGE

V0 Not required

V1 120/277V

V2 240V [1]

[1] V2 not available in North America.

DIMMING

DA00 Not required

DA01 0-10V Dimming 1.0%

DA21 DALI Dimming 1.0%

Contact factory for remote dimming options.

SUSPENSION

HLA03 3ft cable suspension

HLA06 6ft cable suspension

HLA09 9ft cable suspension

FIXTURE FINISH

FA01 White

FA02 Black Metallic - Textured

FA20 Silver Metallic - Textured

FA25 Gold Metallic - Textured

FA44 Midnight Blue Metallic - Textured

FA45 Copper Metallic

FA46 Charcoal Metallic - Textured

FA47 Bronze Metallic - Textured

FA52 Champagne Metallic

FA53 Red Metallic - Textured

CANOPY FINISH

CF00 Not required

CF01 White

CF02 Black Metallic - Textured

CF20 Silver Metallic - Textured

CF25 Gold Metallic - Textured

CF44 Midnight Blue Metallic - Textured

CF45 Copper Metallic

CF46 Charcoal Metallic - Textured

CF47 Bronze Metallic - Textured

CF52 Champagne Metallic

CF53 Red Metallic - Textured

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ACOUSTIC PANEL COLOR

AP00 Not required
AP02 Citrus
AP04 White
AP08 Red Coffee
AP11 Light Gray
AP13 Apple Green
AP22 Blue
AP26 Sesame Gray
AP27 Black
AP47 Navy Peony
AP60 Pure Red
AP73 Cloudburst
AP89 Douglas Fir
APW01 Oak

Other finishes available. Contact factory.

EMERGENCY

E0 Not required
E2 Emergency system – Remote [1]

[1] Available upon request, consult factory.

7 PERFORMANCE DATA

SS03Q-DR1	Lumens	Watts	LPW
LPF040	1200	12	98
LPF060	1940	21	92
LPF080	2390	28	87

SS03Q-DR2-DR3	Lumens	Watts	LPW
LPF060	1860	19	99
LPF080	2370	25	93
LPF100	2690	30	90

SS03Q-DR4-DR5	Lumens	Watts	LPW
LPF060	1940	19	103
LPF080	2480	25	97
LPF100	2820	30	94

SS03Q-DR6-DR7	Lumens	Watts	LPW
LPF060	1910	19	101
LPF080	2440	25	96
LPF100	2770	30	93

HS0T0Q-DR1	Lumens	Watts	LPW
LPF040	3190	32	98
LPF060	5170	56	92
LPF080	6380	74	87

HS0T0Q-DR2-DR3	Lumens	Watts	LPW
LPF060	4960	50	99
LPF080	6320	68	93
LPF100	7190	80	90

HS0Y0Q-DR1	Lumens	Watts	LPW
LPF040	3590	36	98
LPF060	5810	63	92
LPF080	7180	83	87

HS0Y0Q-DR2-DR3	Lumens	Watts	LPW
LPF060	5580	56	99
LPF080	7110	76	93
LPF100	8090	90	90

HS0X0Q-DR1	Lumens	Watts	LPW
LPF040	4790	49	98
LPF060	7750	84	92
LPF080	9570	111	87

HS0X0Q-DR2-DR3	Lumens	Watts	LPW
LPF060	7440	75	99
LPF080	9490	102	93
LPF100	10780	119	90

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HS090Q-DR1	Lumens	Watts	LPW
LPF040	1200	12	98
LPF060	1940	21	92
LPF080	2390	28	87

HS090Q-DR2-DR3	Lumens	Watts	LPW
LPF060	1860	19	99
LPF080	2370	25	93
LPF100	2690	30	90

HS120Q-DR1	Lumens	Watts	LPW
LPF040	1200	12	98
LPF060	1940	21	92
LPF080	2390	28	87

HS120Q-DR2-DR3	Lumens	Watts	LPW
LPF060	1860	19	99
LPF080	2370	25	93
LPF100	2690	30	90

SS04Q-DR1	Lumens	Watts	LPW
LPF040	1590	16	98
LPF060	2580	28	92
LPF080	3190	37	87

SS04Q-DR2-DR3	Lumens	Watts	LPW
LPF060	2480	25	99
LPF080	3160	34	93
LPF100	3590	40	90

SS04Q-DR4-DR5	Lumens	Watts	LPW
LPF060	2590	25	103
LPF080	3310	34	98
LPF100	3760	40	94

SS04Q-DR6-DR7	Lumens	Watts	LPW
LPF060	2550	25	101
LPF080	3250	34	96
LPF100	3690	40	93

SS05Q-DR1	Lumens	Watts	LPW
LPF040	1990	20	98
LPF060	3230	35	92
LPF080	3990	46	87

SS05Q-DR2-DR3	Lumens	Watts	LPW
LPF060	3100	31	99
LPF080	3950	42	93
LPF100	4490	50	90

SS05Q-DR4-DR5	Lumens	Watts	LPW
LPF060	3240	31	103
LPF080	4130	42	98
LPF100	4700	50	94

SS05Q-DR6-DR7	Lumens	Watts	LPW
LPF060	3190	31	101
LPF080	4060	42	96
LPF100	4620	50	93

SS06Q-DR1	Lumens	Watts	LPW
LPF040	2390	24	98
LPF060	3880	42	92
LPF080	4790	55	87

SS06Q-DR2-DR3	Lumens	Watts	LPW
LPF060	3720	38	99
LPF080	4740	51	93
LPF100	5390	60	90

SS06Q-DR4-DR5	Lumens	Watts	LPW
LPF060	3890	38	103
LPF080	4960	51	97
LPF100	5640	60	94

SS06Q-DR6-DR7	Lumens	Watts	LPW
LPF060	3820	38	101
LPF080	4880	51	96
LPF100	5540	60	93

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SS07Q-DR1	Lumens	Watts	LPW
LPF040	2790	28	98
LPF060	4520	49	92
LPF080	5580	64	87

SS07Q-DR2-DR3	Lumens	Watts	LPW
LPF060	4340	44	99
LPF080	5530	59	93
LPF100	6290	70	90

SS07Q-DR4-DR5	Lumens	Watts	LPW
LPF060	4540	44	103
LPF080	5790	59	97
LPF100	6580	70	94

SS07Q-DR6-DR7	Lumens	Watts	LPW
LPF060	4460	44	101
LPF080	5690	59	96
LPF100	6470	70	93

SS08Q-DR1	Lumens	Watts	LPW
LPF040	3190	32	98
LPF060	5170	56	92
LPF080	6380	74	87

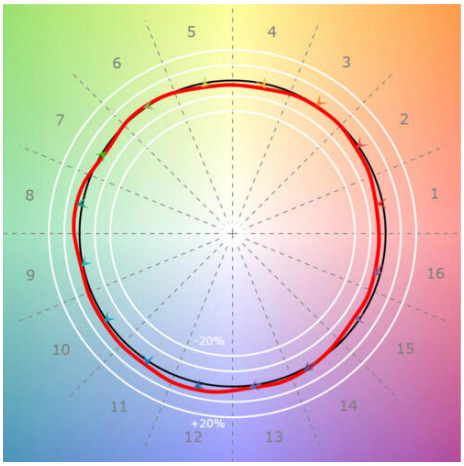
SS08Q-DR2-DR3	Lumens	Watts	LPW
LPF060	4960	50	99
LPF080	6320	68	93
LPF100	7190	80	90

SS08Q-DR4-DR5	Lumens	Watts	LPW
LPF060	5190	50	103
LPF080	6610	68	98
LPF100	7520	80	94

SS08Q-DR6-DR7	Lumens	Watts	LPW
LPF060	5100	50	101
LPF080	6500	68	96
LPF100	7390	80	93

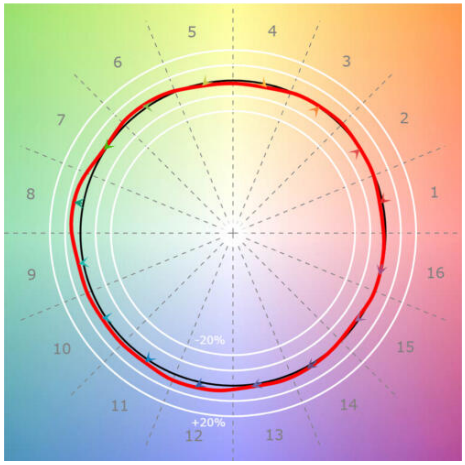
8 TM-30 DATA

CCT 2700K



CRI(Ra)	94
CRI(R9)	58
TM30(Rf)	93
TM30(Rg)	99
Duv	0.0004

CCT 3000K



CRI(Ra)	94
CRI(R9)	75
TM30(Rf)	93
TM30(Rg)	102
Duv	-0.0001

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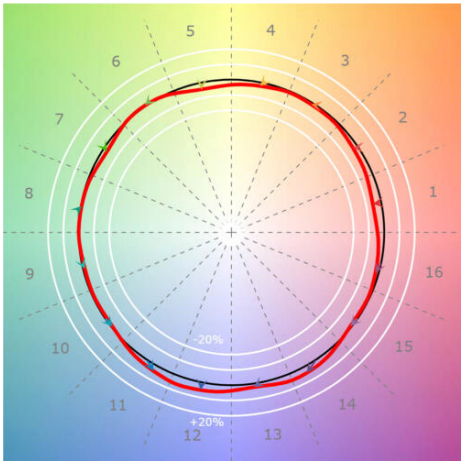
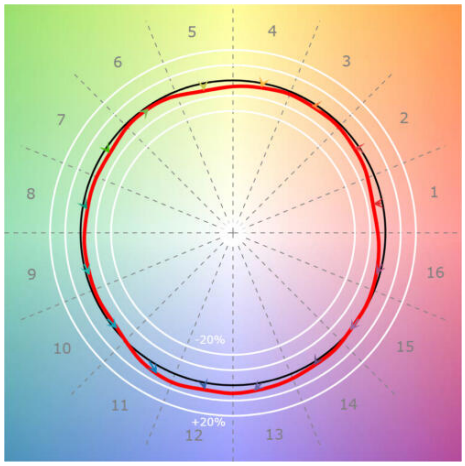
CCT 3500K



CRI(Ra)	94
CRI(R9)	53
TM30(Rf)	91
TM30(Rg)	98
Duv	0.0009

CCT 4000K



CRI(Ra)	92
CRI(R9)	50
TM30(Rf)	89
TM30(Rg)	97
Duv	0.0011

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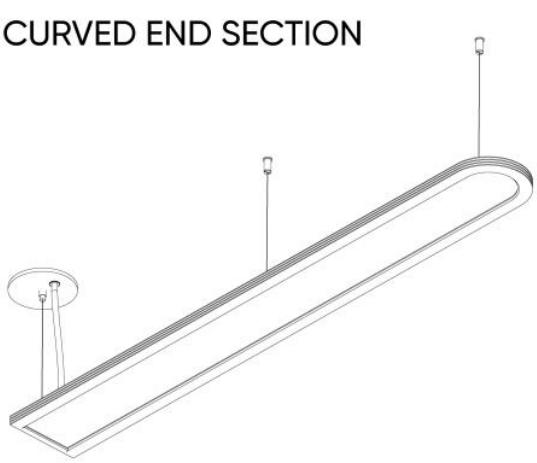
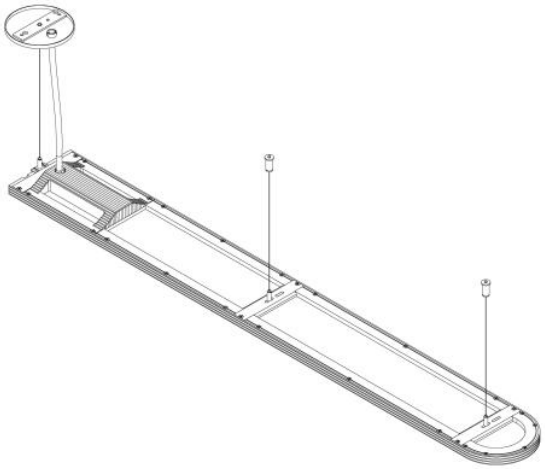
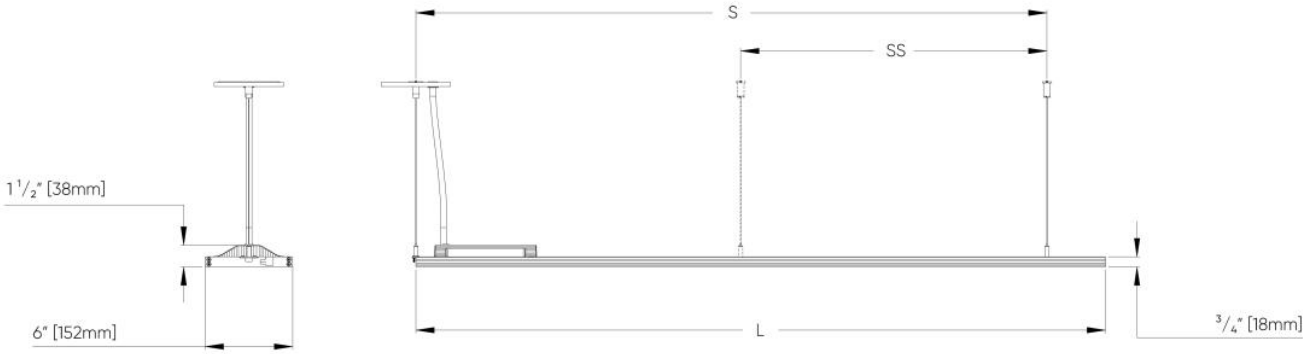
9 DIMENSIONAL DIAGRAMS

CURVED END SECTION







FIXTURE SIZE	L Overall Length	S Suspension	SS Suspension
3FT (SS3)	35 1/4" [895mm]	31 1/4" [870mm]	--
4FT (SS4)	47 1/4" [1200mm]	43 1/4" [1098mm]	--
5FT (SS5)	59 1/4" [1505mm]	55 1/4" [1479mm]	--
6FT (SS6)	71 1/4" [1810mm]	67 1/4" [1759mm]	33" [838mm]
7FT (SS7)	83 1/4" [2115 mm]	79 1/4" [2089 mm]	39" [991mm]
8FT (SS8)	95 1/4" [2419mm]	91 1/4" [2394mm]	45" [1 143mm]

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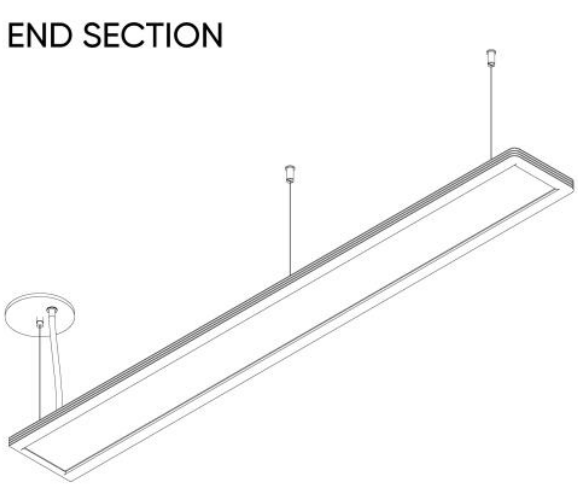
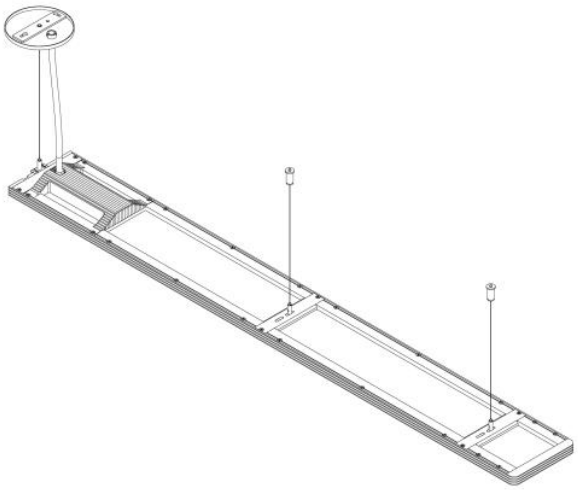
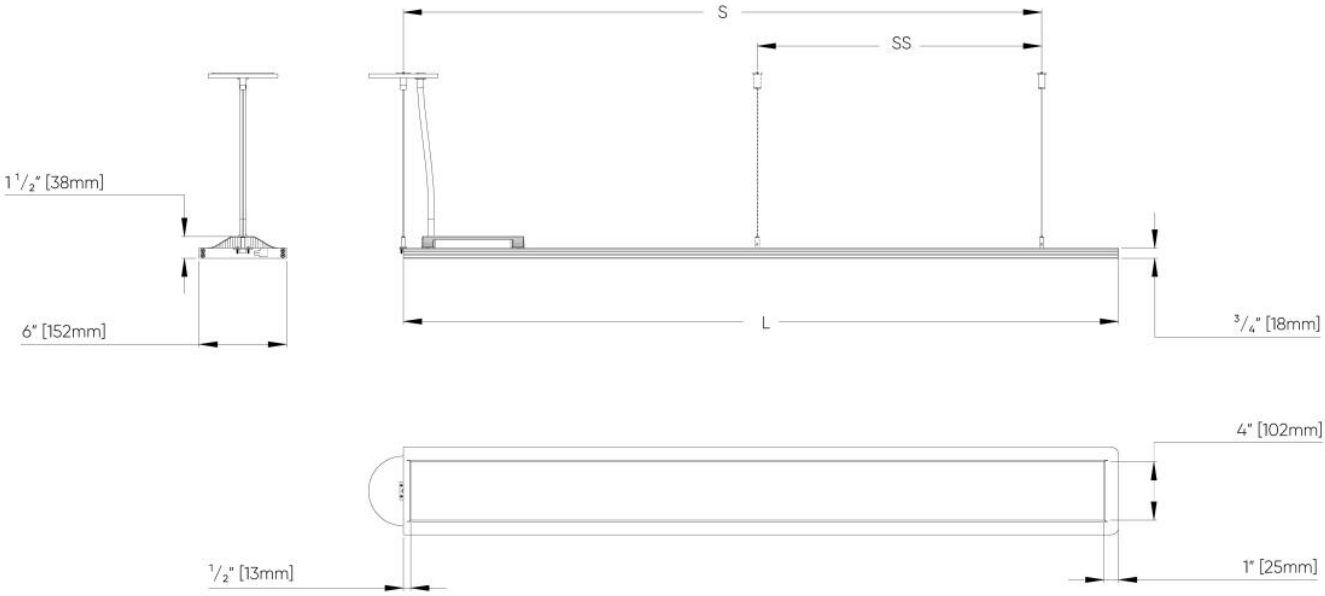
END SECTION







FIXTURE SIZE	L Overall Length	S Suspension	SS Suspension
3FT (SS3)	37" [940mm]	34 3/4" [883mm]	--
4FT (SS4)	49" [1245mm]	43 3/4" [1111mm]	--
5FT (SS5)	61" [1594mm]	58 3/4" [1492mm]	--
6FT (SS6)	73" [1854mm]	69 3/4" [1772mm]	31 1/2" [800mm]
7FT (SS7)	85" [2159 mm]	82 3/4" [2102 mm]	37 1/2" [953mm]
8FT (SS8)	97" [2464mm]	94 3/4" [2407mm]	43 1/2" [1105mm]

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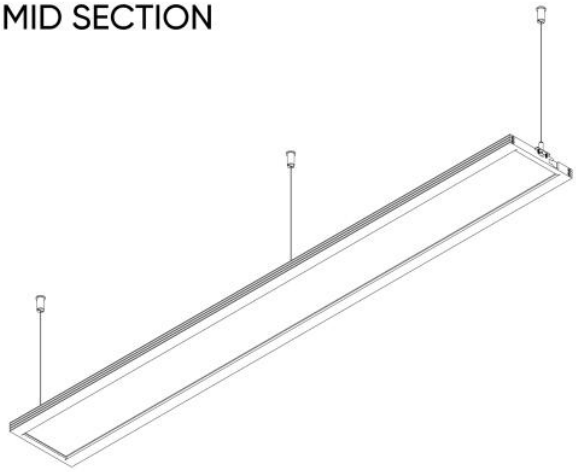
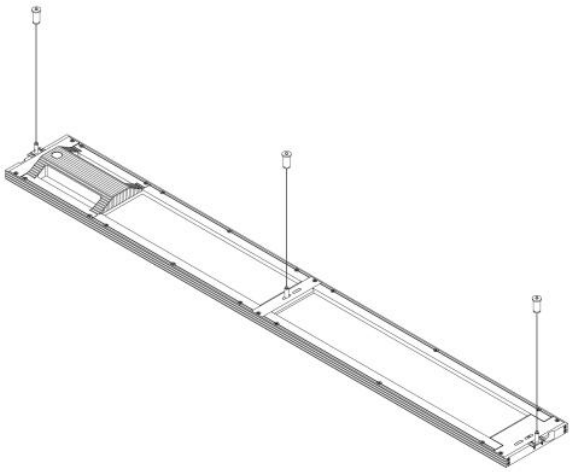
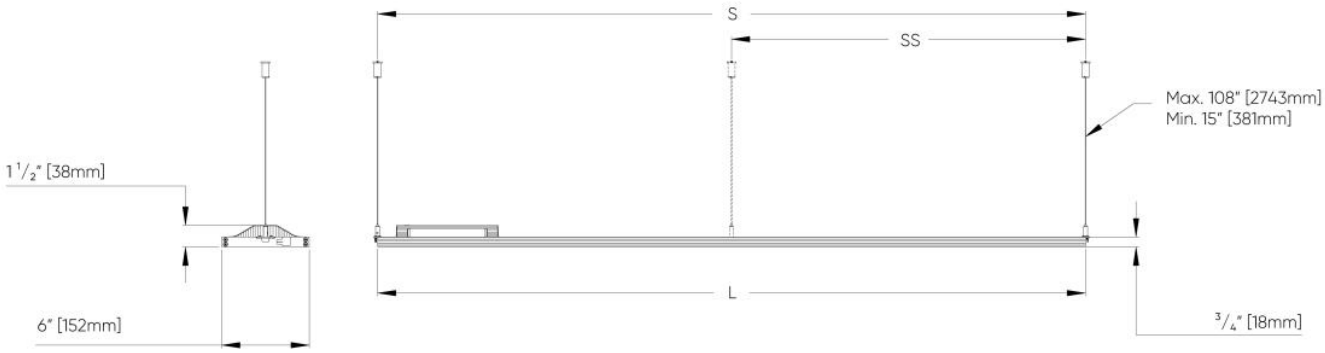
MID SECTION







FIXTURE SIZE	L Overall Length	S Suspension	SS Suspension
3FT (SS3)	36 1/2" [927mm]	36 1/2" [927mm]	--
4FT (SS4)	48 1/2" [1232mm]	48 1/2" [1232mm]	--
5FT (SS5)	60 1/2" [1537mm]	60 1/2" [1537mm]	--
6FT (SS6)	72 1/2" [1842mm]	72 1/2" [1842mm]	36 1/4" [921mm]
7FT (SS7)	84 1/2" [2146 mm]	84 1/2" [2146 mm]	42 1/4" [1073mm]
8FT (SS8)	96 1/2" [2451mm]	96 1/2" [2451mm]	48 1/4" [1226mm]

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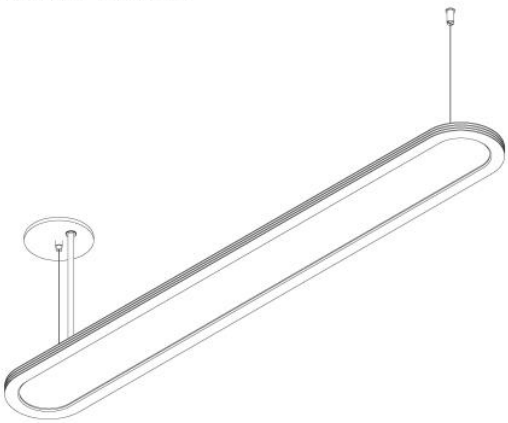
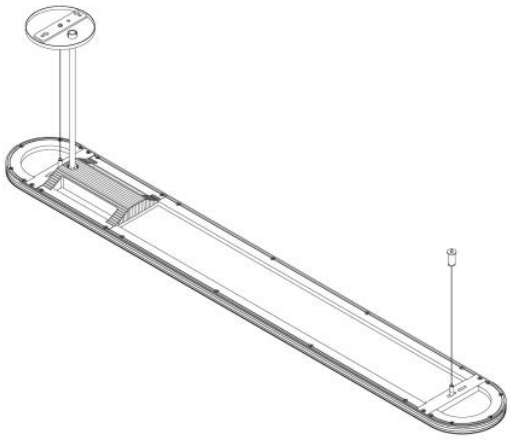
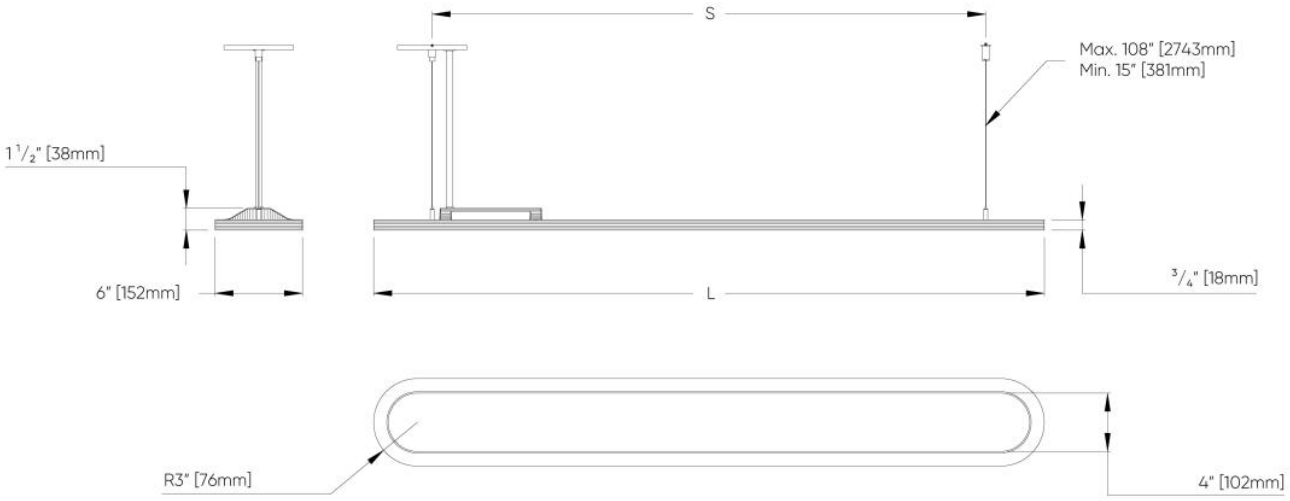
STANDALONE







FIXTURE SIZE	L Overall Length	S Suspension
3FT (SS3)	34" [863mm]	26" [660mm]
4FT (SS4)	46" [1168mm]	38" [965mm]
5FT (SS5)	58" [1473mm]	44" [1118mm]
6FT (SS6)	70" [1778mm]	44" [1118mm]
7FT (SS7)	82" [2082mm]	50" [1270mm]
8FT (SS8)	94" [2387mm]	56" [1422mm]

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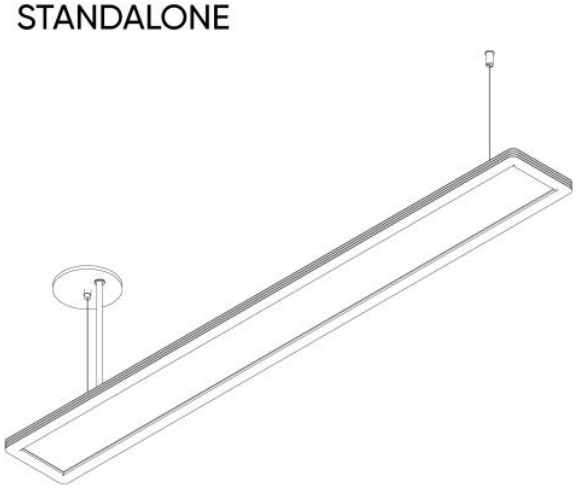
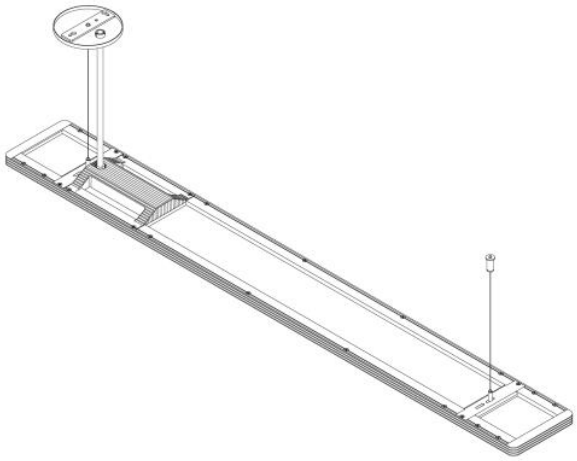
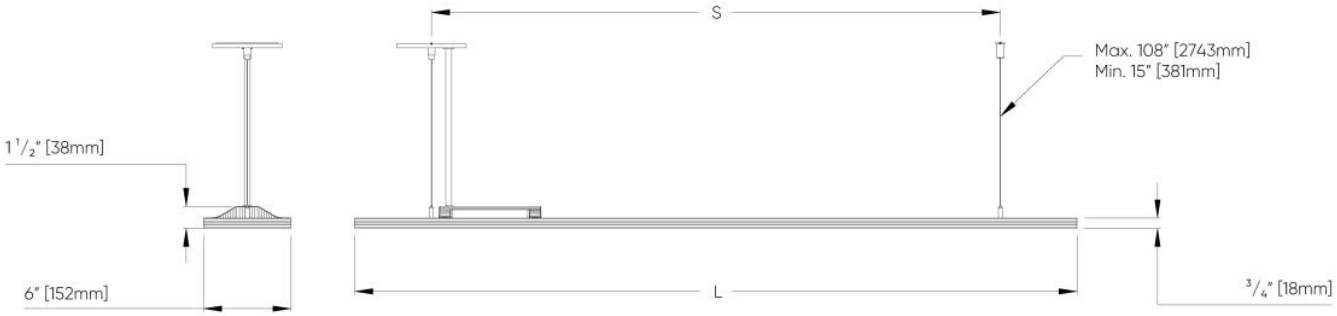
STANDALONE







FIXTURE SIZE	L Overall Length	S Suspension
3FT (SS3)	37 1/2" [952mm]	27" [685mm]
4FT (SS4)	49 1/2" [1257mm]	39" [990mm]
5FT (SS5)	61 1/2" [1562mm]	44" [1118mm]
6FT (SS6)	73 1/2" [1867mm]	44" [1118mm]
7FT (SS7)	85 1/2" [2171mm]	50" [1270mm]
8FT (SS8)	97 1/2" [2476mm]	56" [1422mm]

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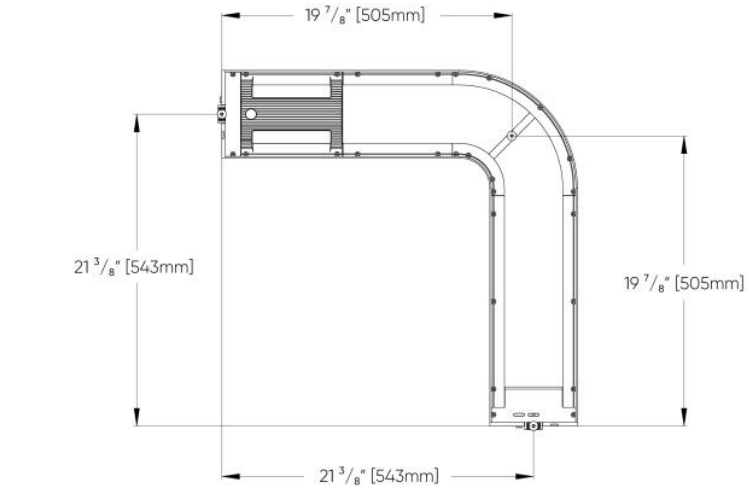
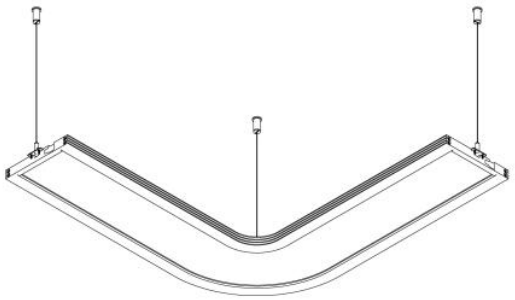
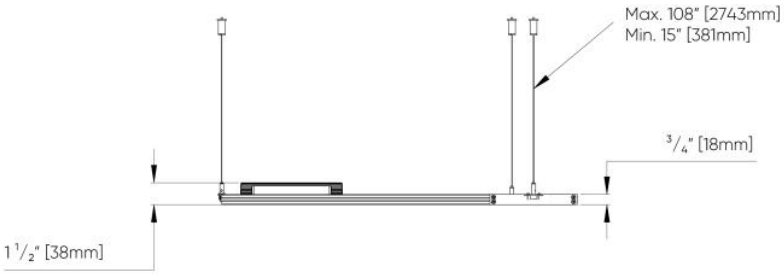
90 DEGREE CORNER

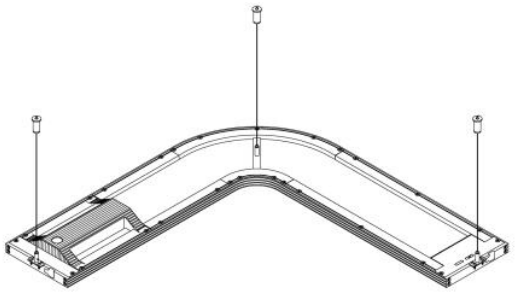
Top View (Susp. points)



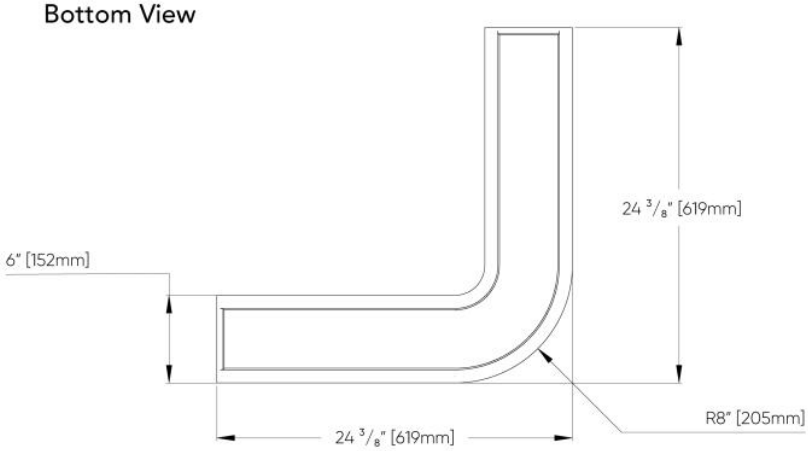


Front View





Bottom View



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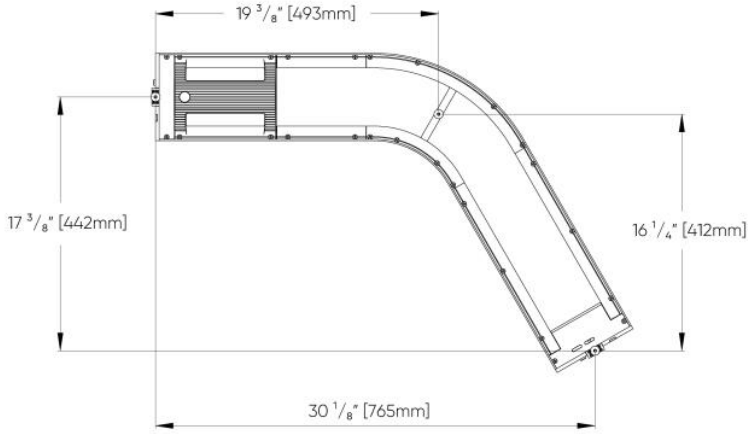
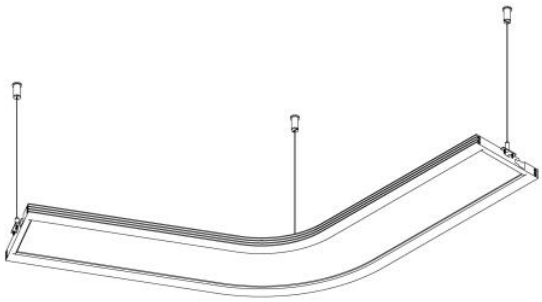
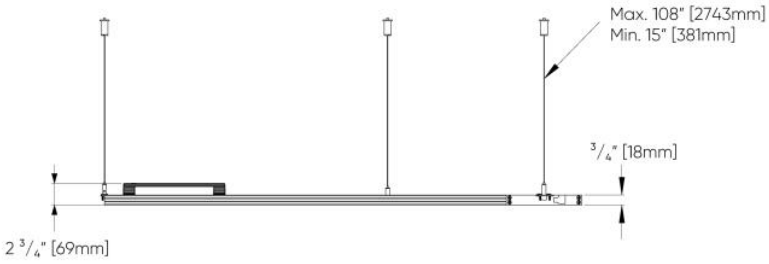
120 DEGREE CORNER

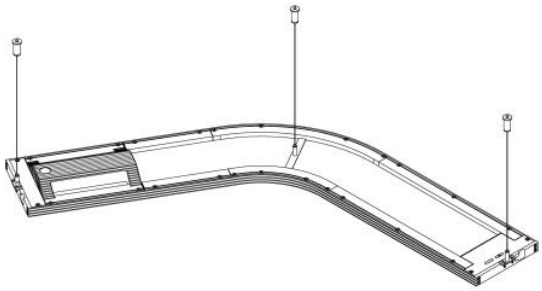
Top View (Susp. points)



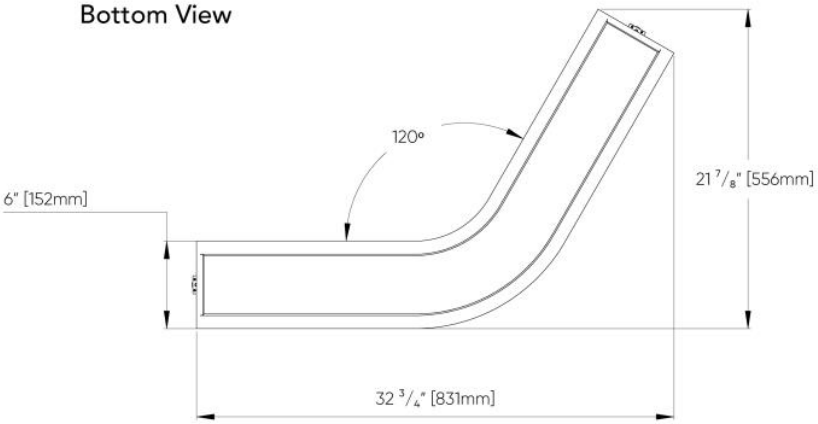


Front View





Bottom View



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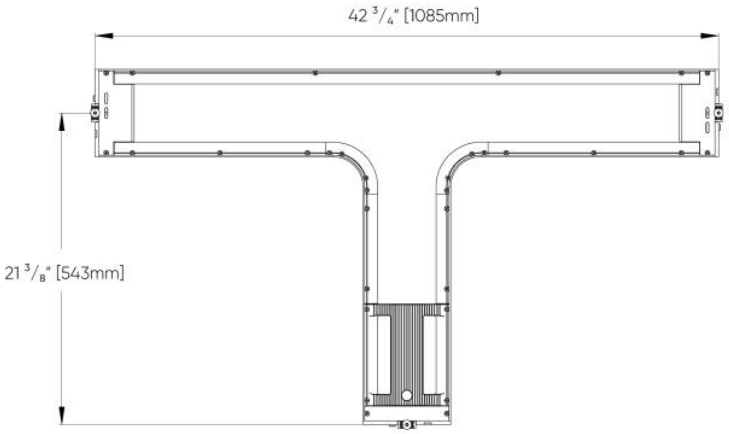
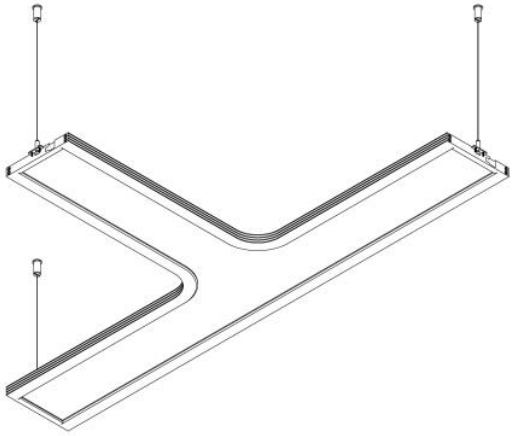
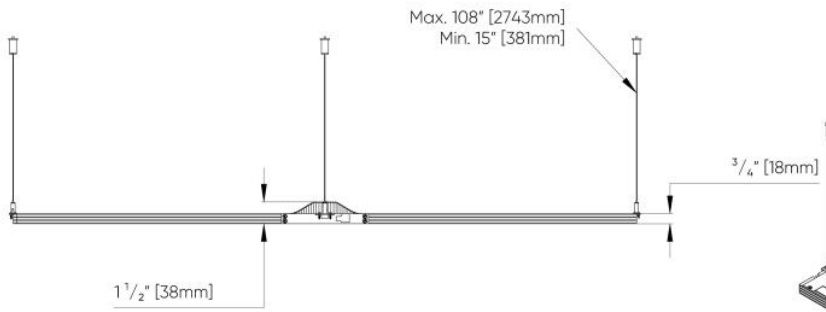
T SECTION

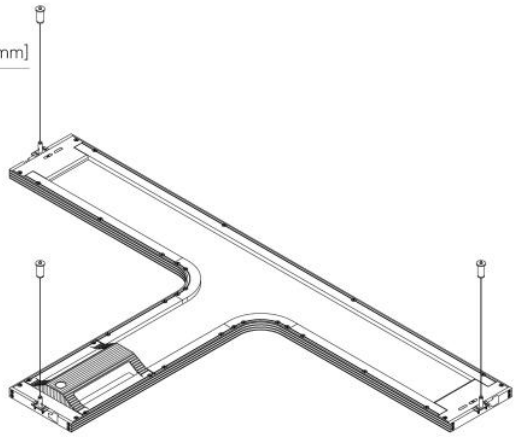
Top View (Susp. points)



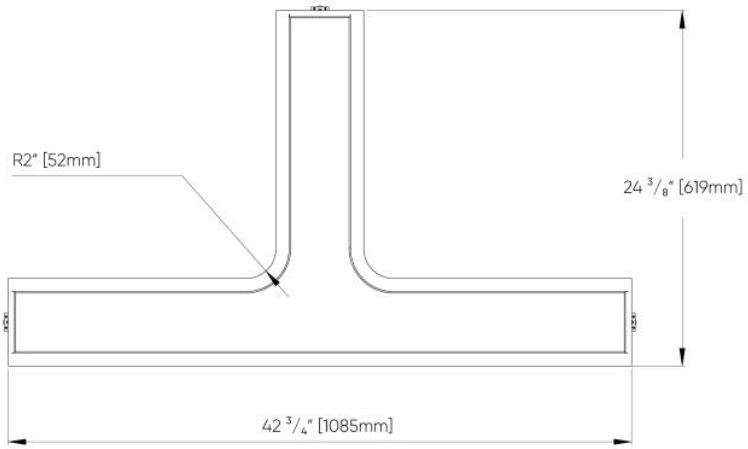


Front View





Bottom View



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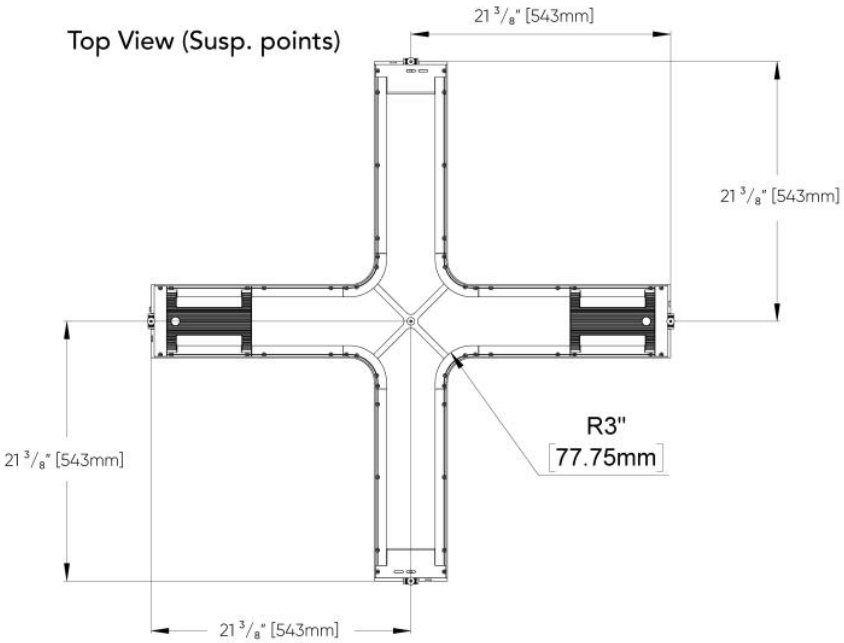
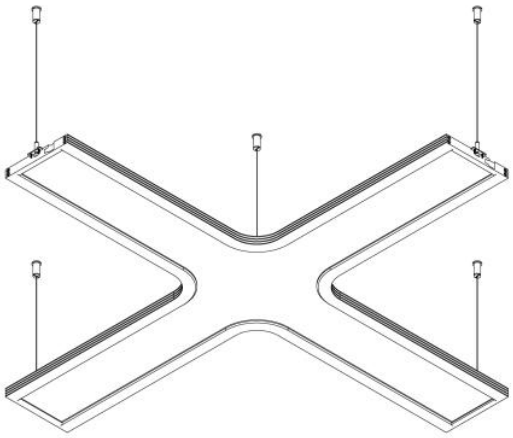
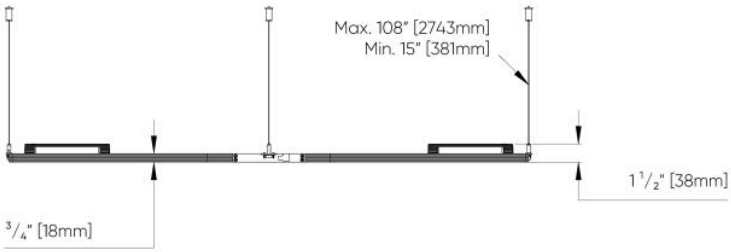
X SECTION

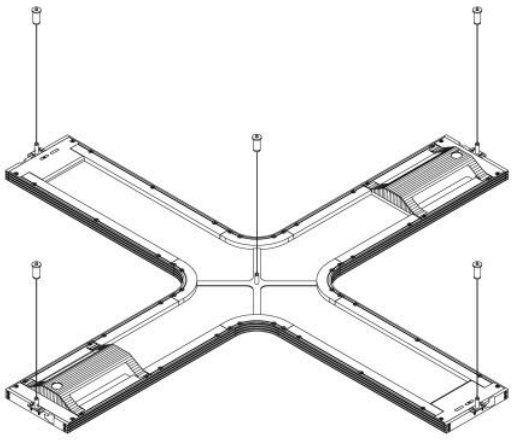
Top View (Susp. points)



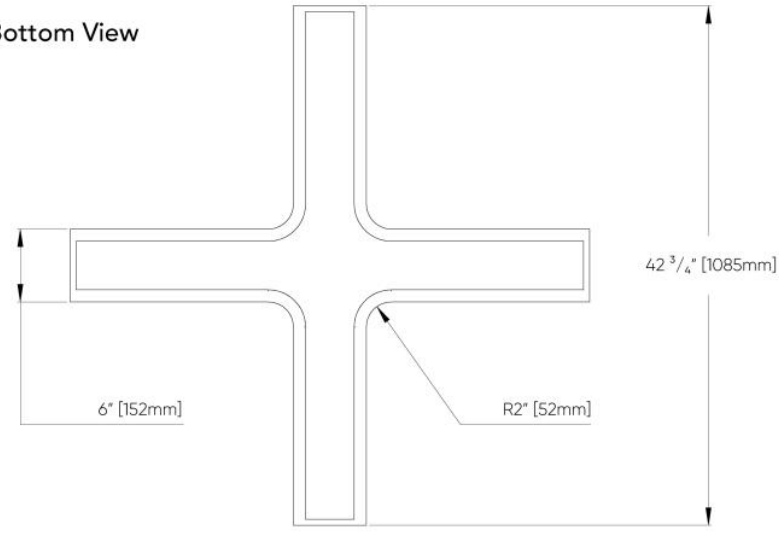


Front View





Bottom View



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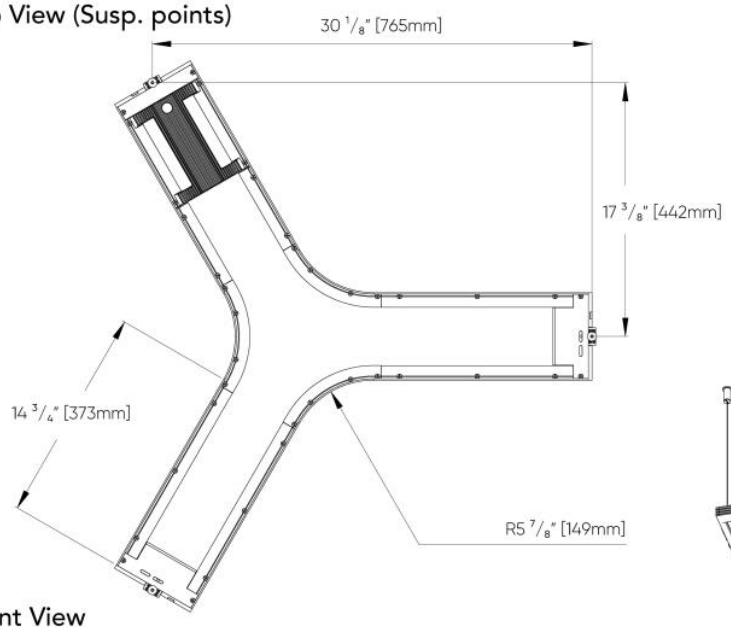
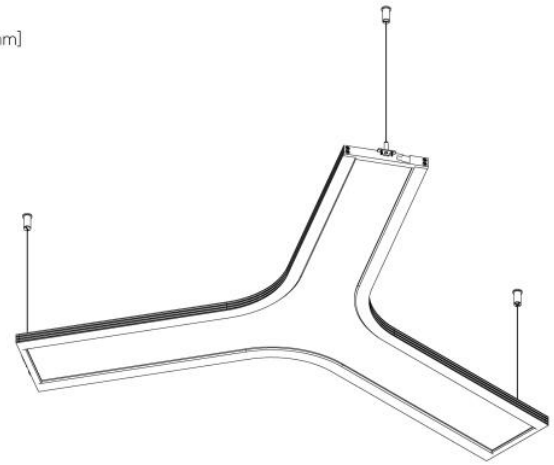
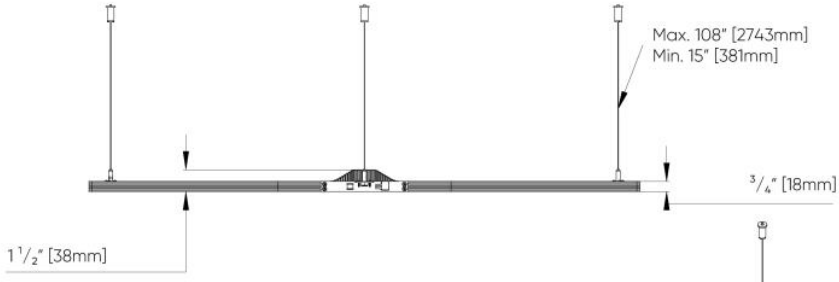
Y SECTION

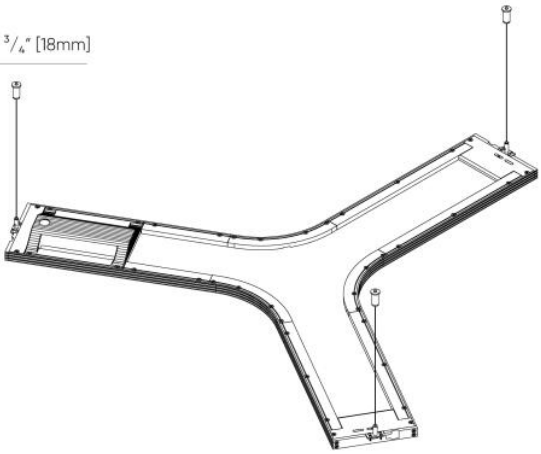
Top View (Susp. points)



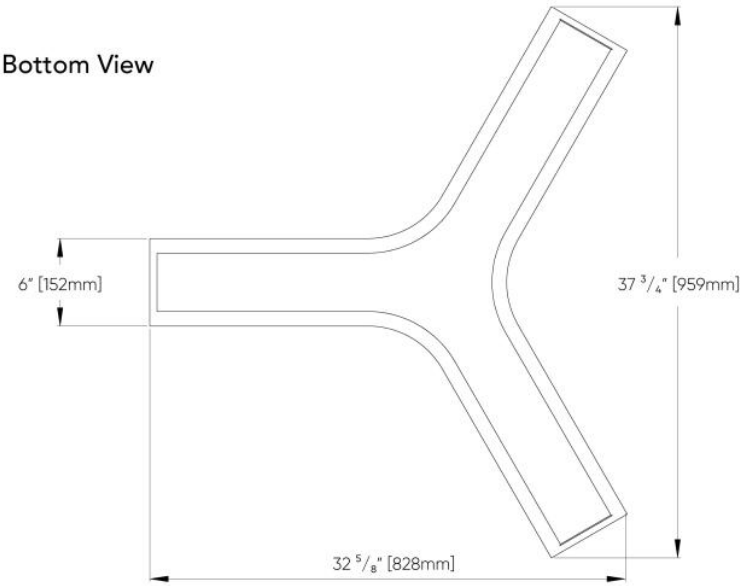


Front View





Bottom View



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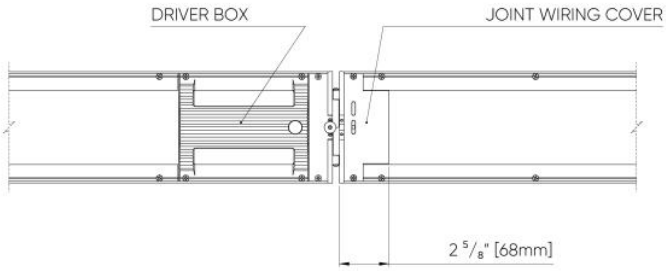
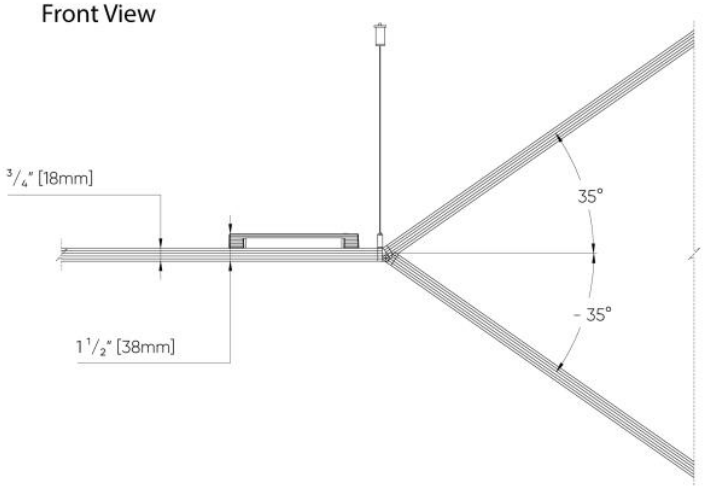
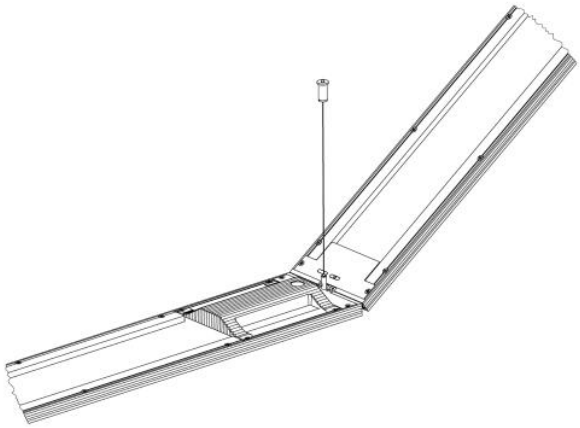
FLEXIBLE JOINER

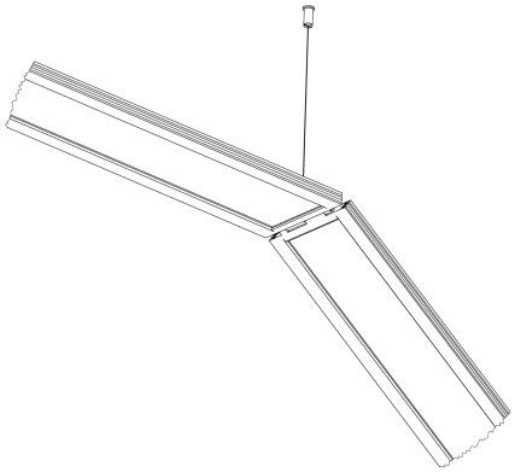
Top View



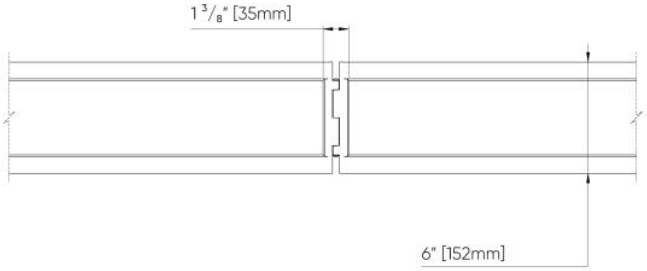
Front View







Bottom View



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