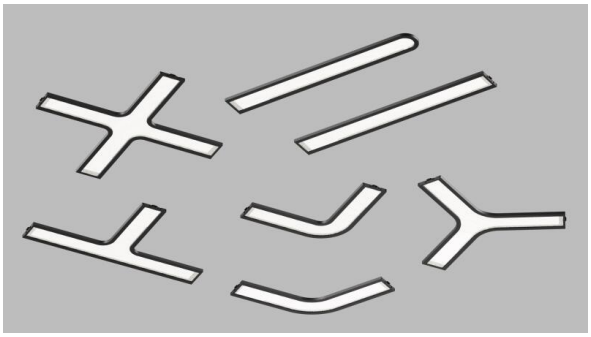
# BLADE SYSTEMS

## 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 the same ultra-slim 3/4" profile. 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

Intertek | CE | DAMP LOCATION | F | IP20

## 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

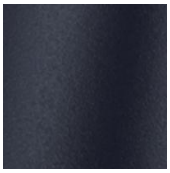
### FIXTURE FINISH


White

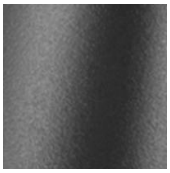
Black Metallic - Textured

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

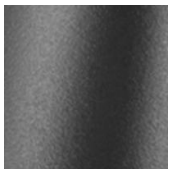
Black Metallic - Textured

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

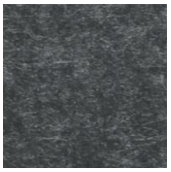

White

Red Coffee

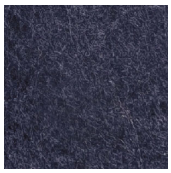
Light Gray

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

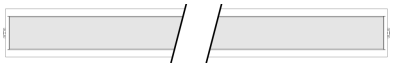
**BLSP** Pendant

### 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

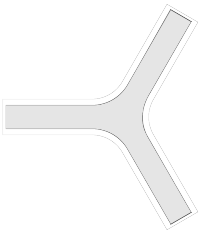
**HS090Q_ _** 90° Section

### 120° HUB SECTION

**HS120Q_ _** 120° Section

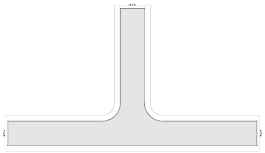
### Y HUB SECTION

**HS0Y0Q_ _** Y Section



### T HUB SECTION

**HS0T0Q_ _** T Section

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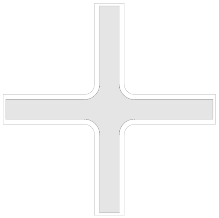
## X HUB SECTION

**HS0X0Q_ _** X Section



## CUSTOM SHAPE

**CSTQ_ _** Custom Section

## STRAIGHT END CAP

**ENS00** Not required

**ENS_ _** Staight End Cap

## CURVED END CAP

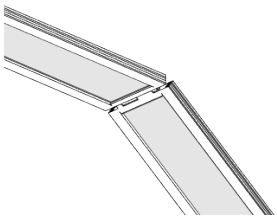
**ENC00** Not required

**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 |

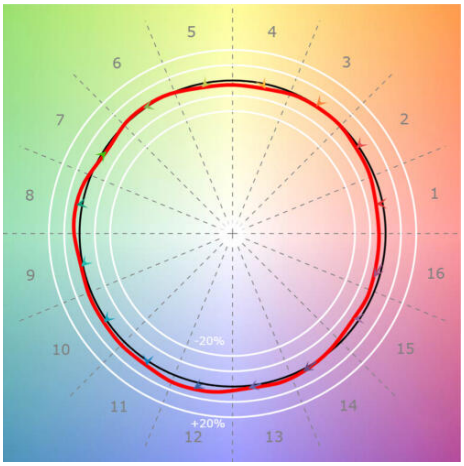
| SS08Q-DR2-DR3 | Lumens | Watts | LPW |
|---|---|---|---|
| LPF060 | 4960 | 50 | 99 |
| LPF080 | 6320 | 68 | 93 |
| LPF100 | 7190 | 80 | 90 |

| 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 |

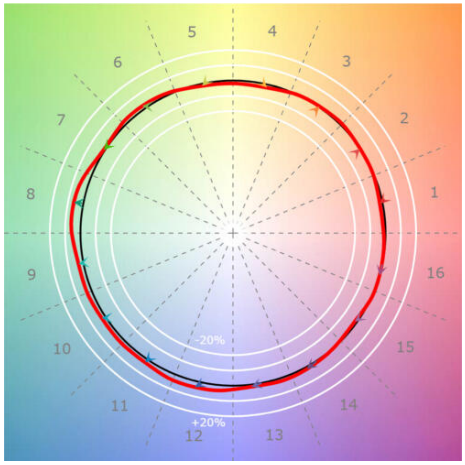
## 8 TM-30 DATA

### 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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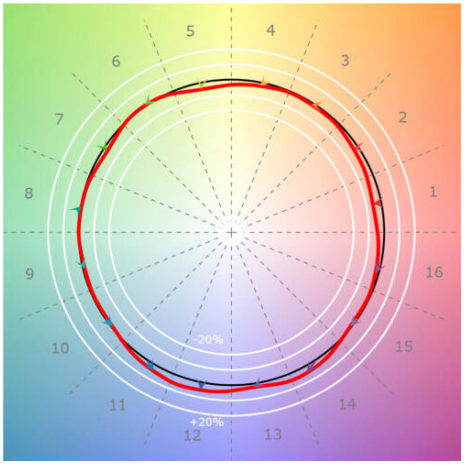
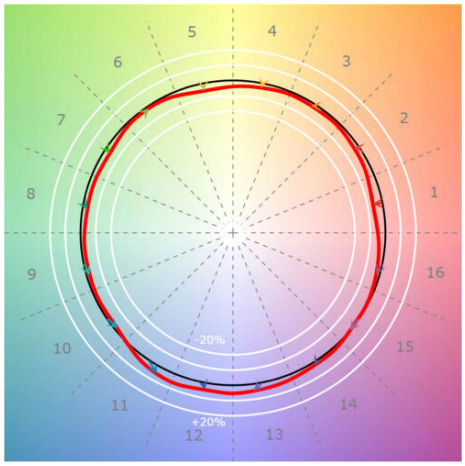
### CCT 3500K




| | |
|---|---|
| **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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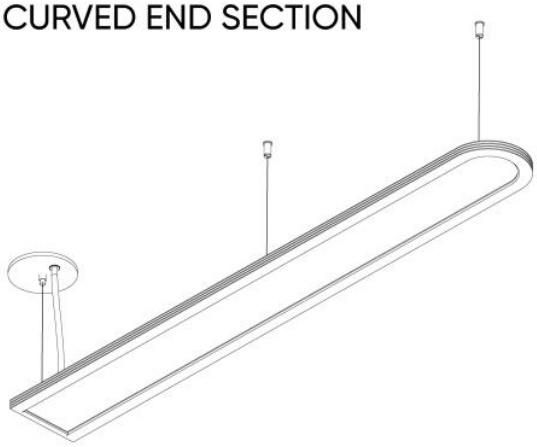
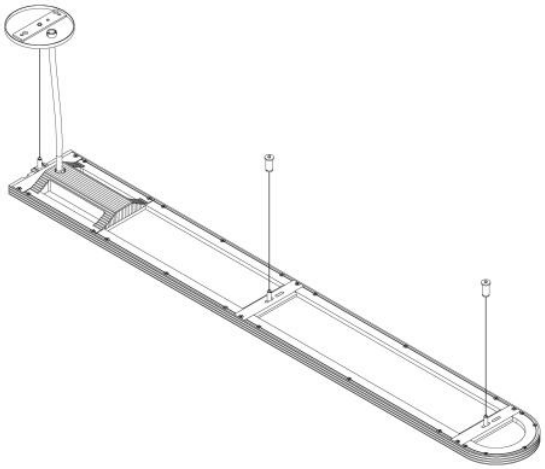
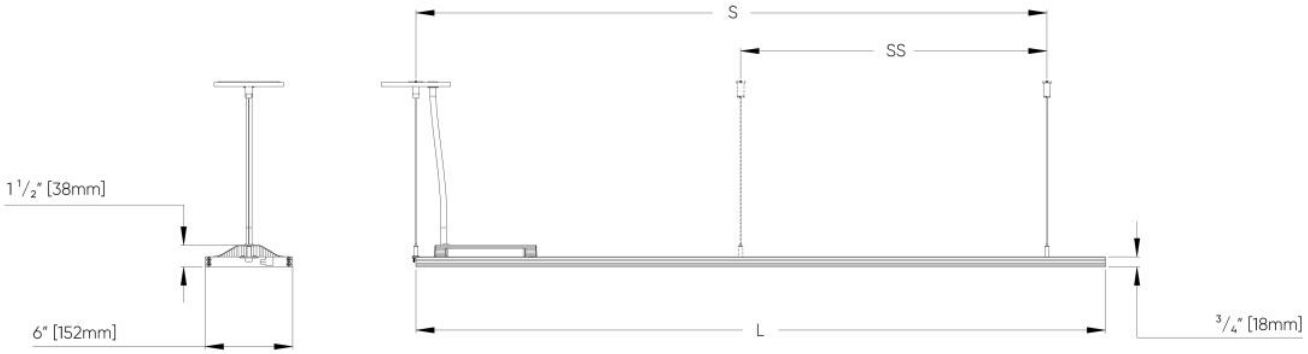
## 9 DIMENSIONAL DIAGRAMS

### 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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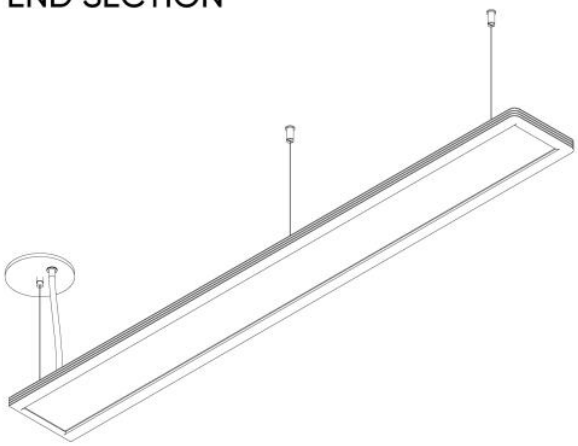
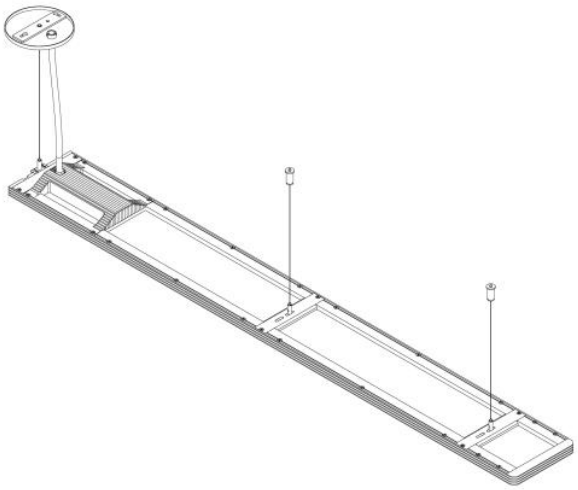
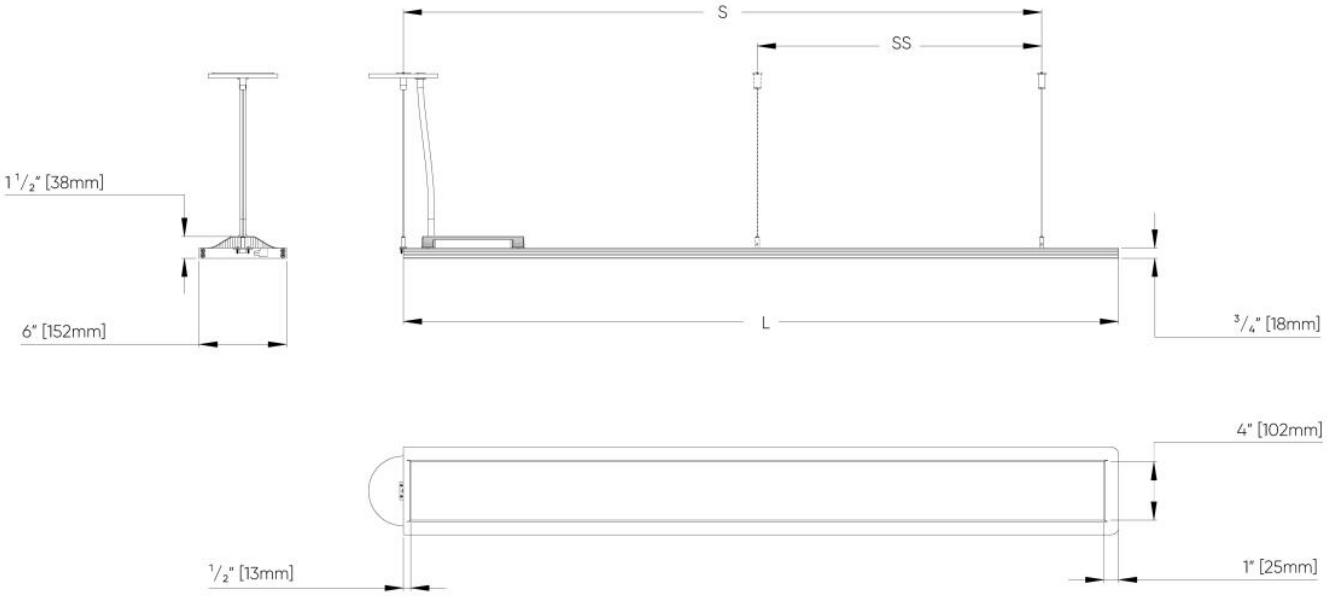
## END SECTION








| 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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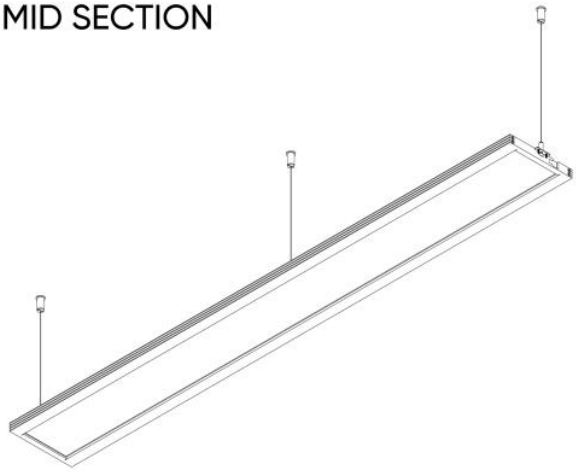
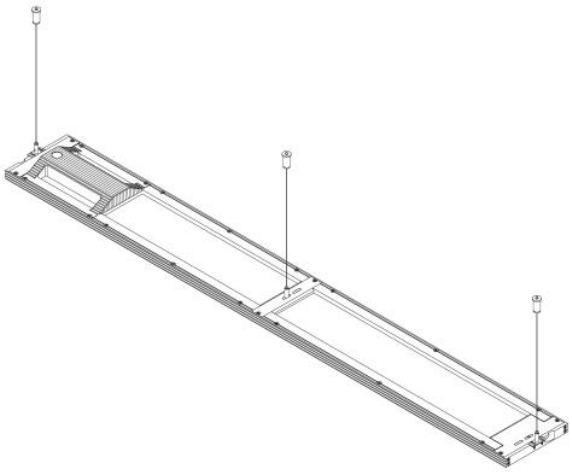
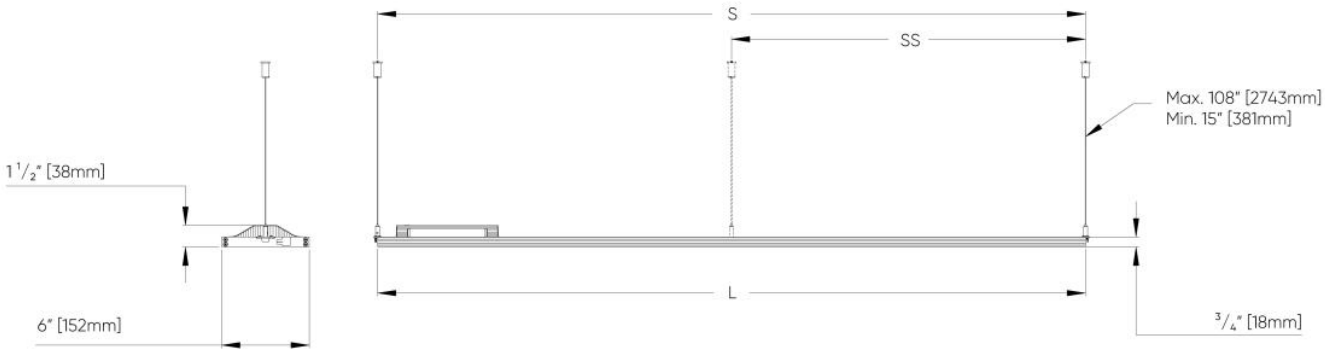
## MID SECTION







| 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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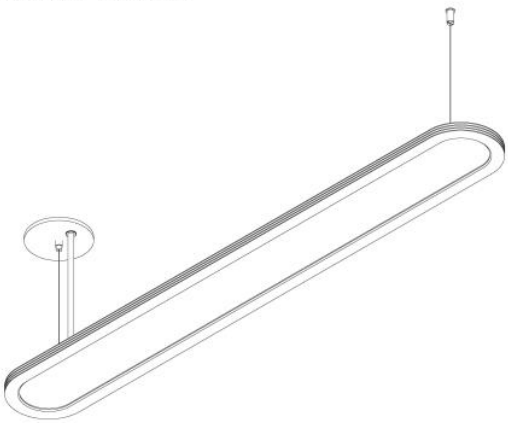
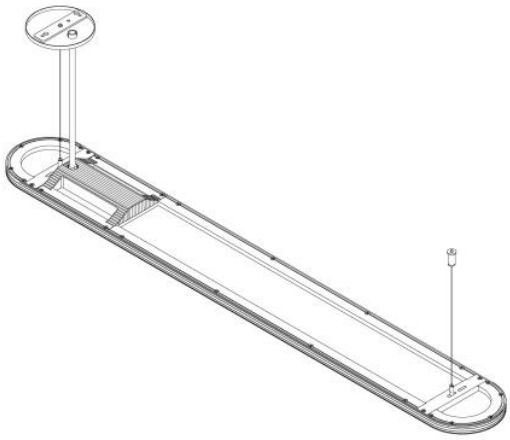
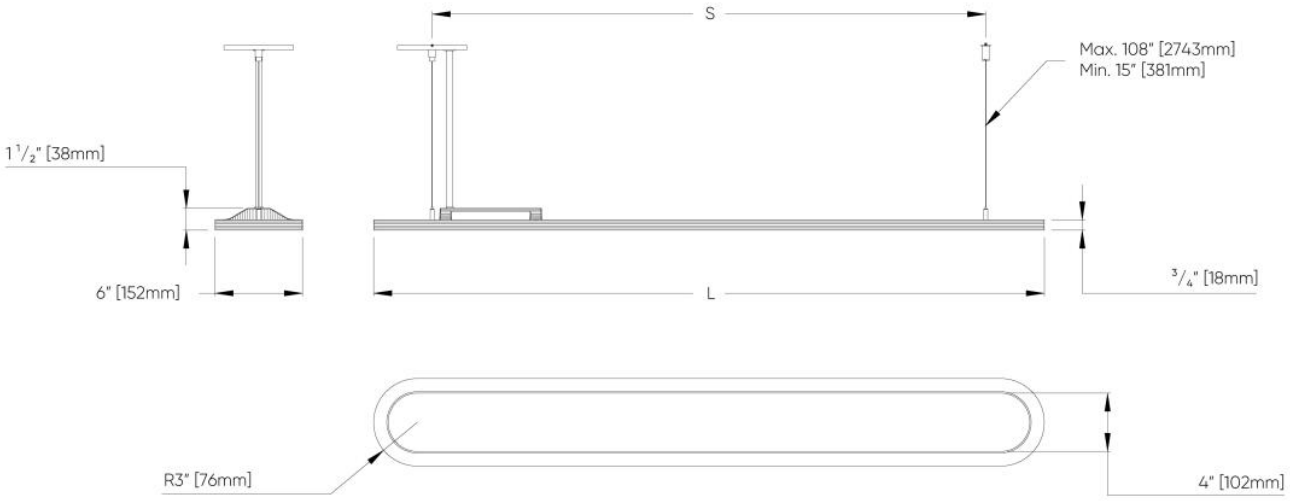
## STANDALONE








| 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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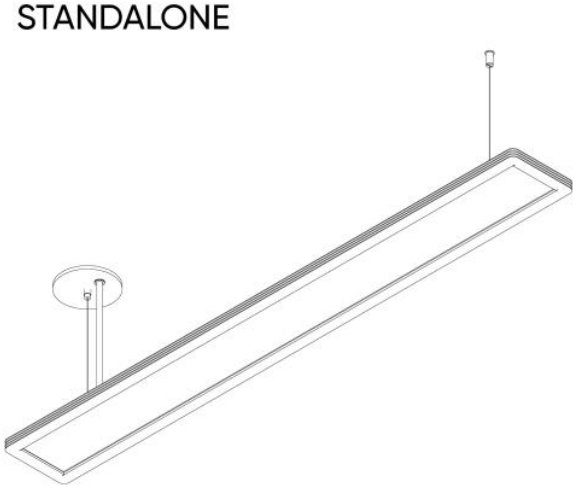
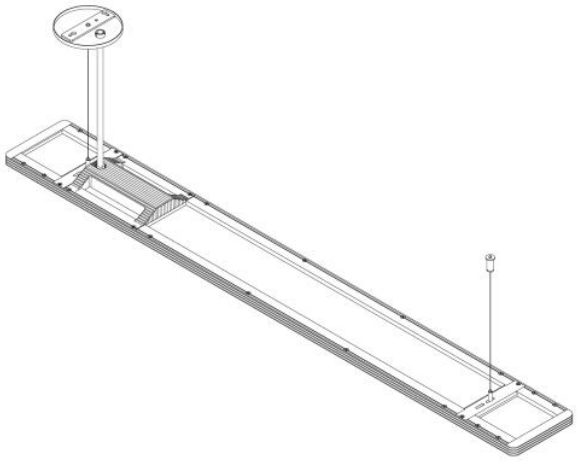
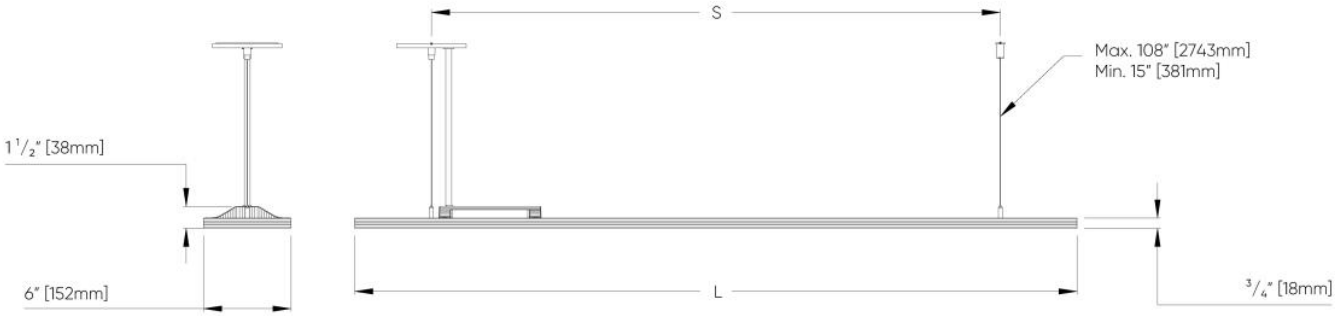
## STANDALONE







| 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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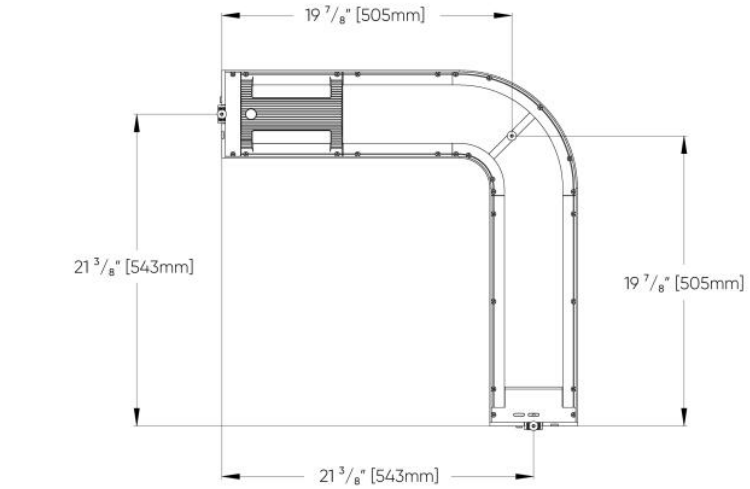
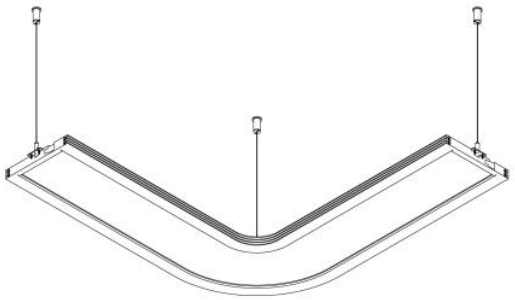
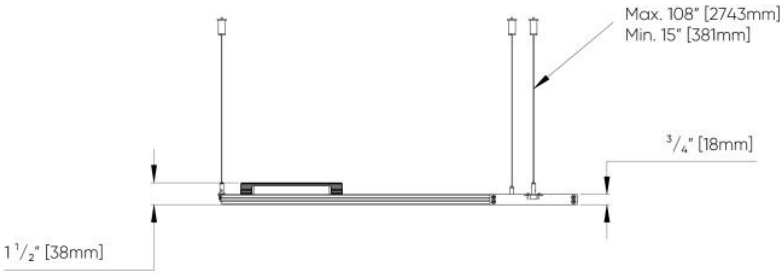
## 90 DEGREE CORNER

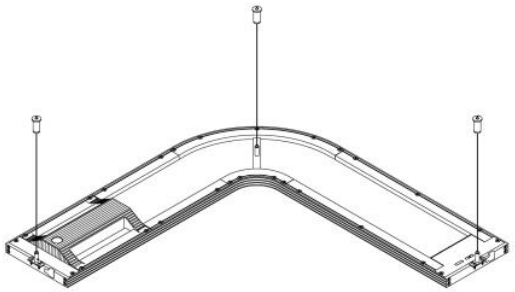
### Top View (Susp. points)



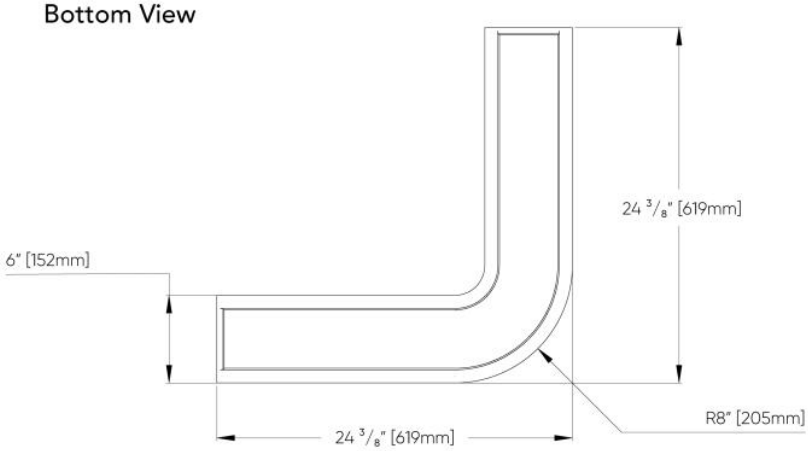



### Front View



### Bottom View





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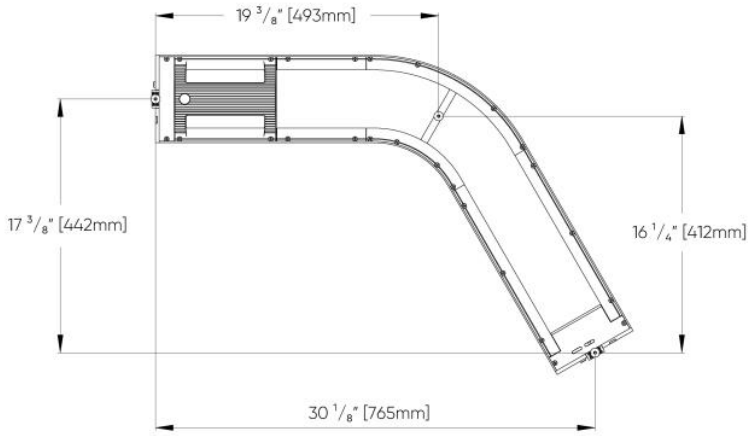
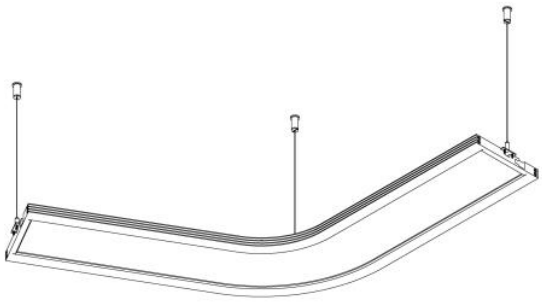
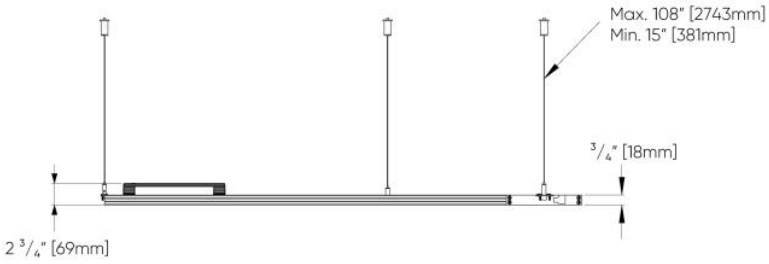
## 120 DEGREE CORNER

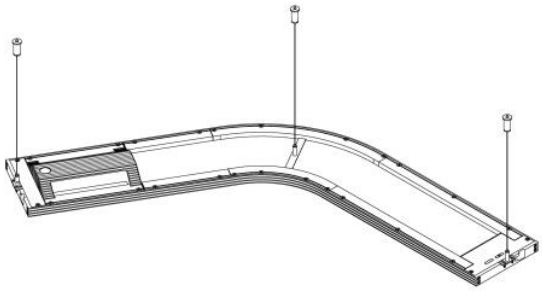
### Top View (Susp. points)



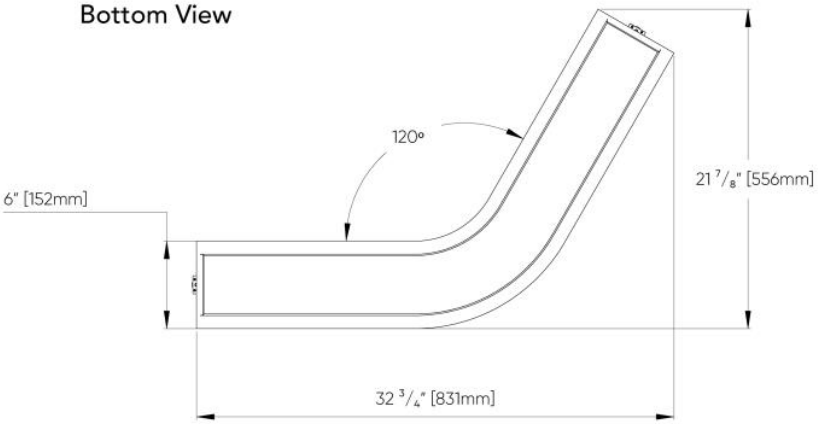



### Front View



### Bottom View





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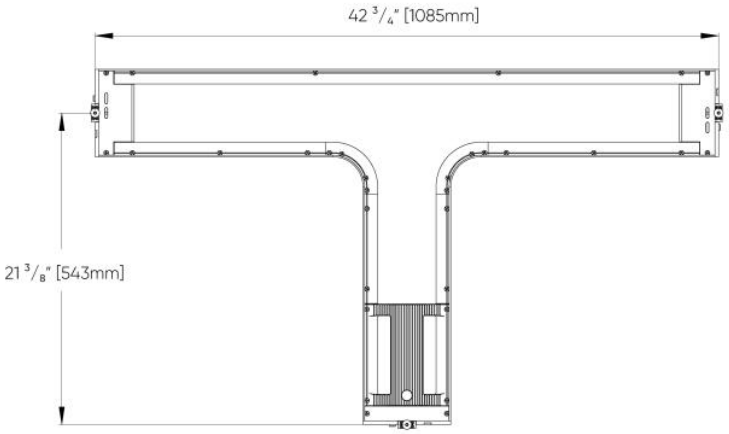
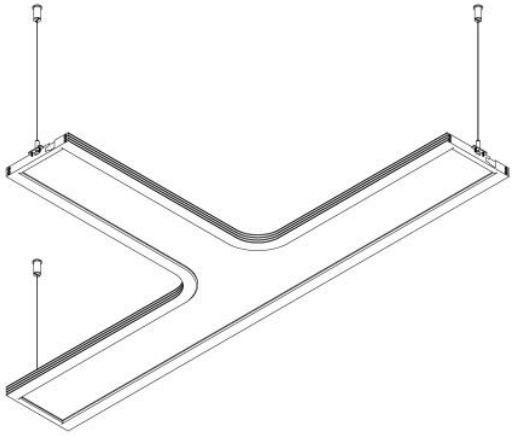
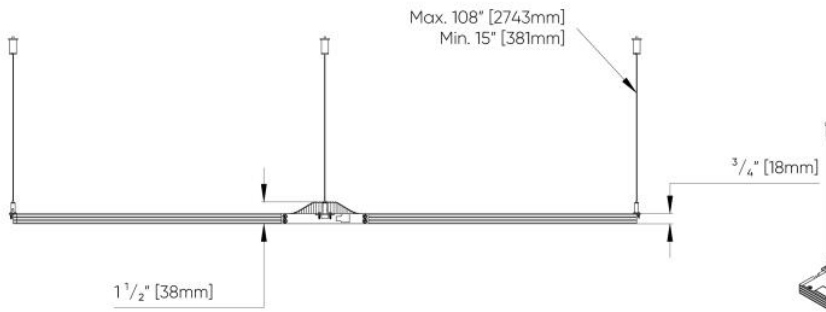
## T SECTION

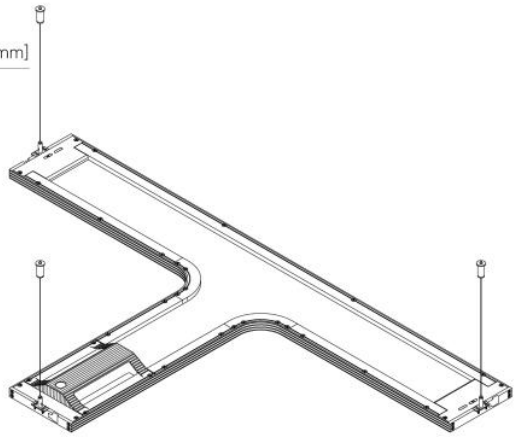
### Top View (Susp. points)



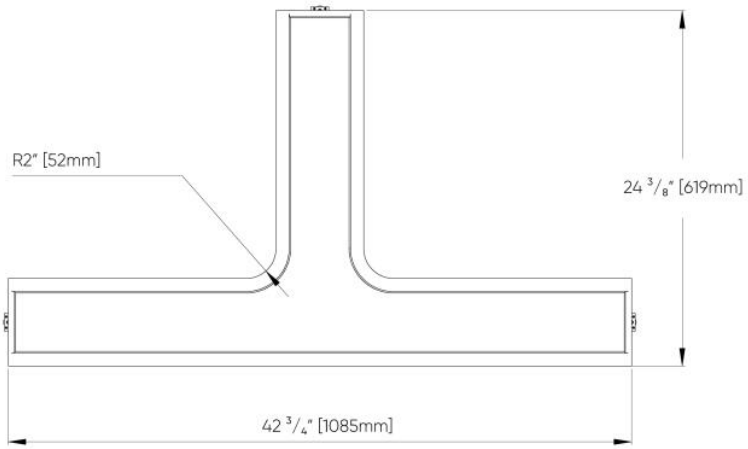



### Front View



### Bottom View





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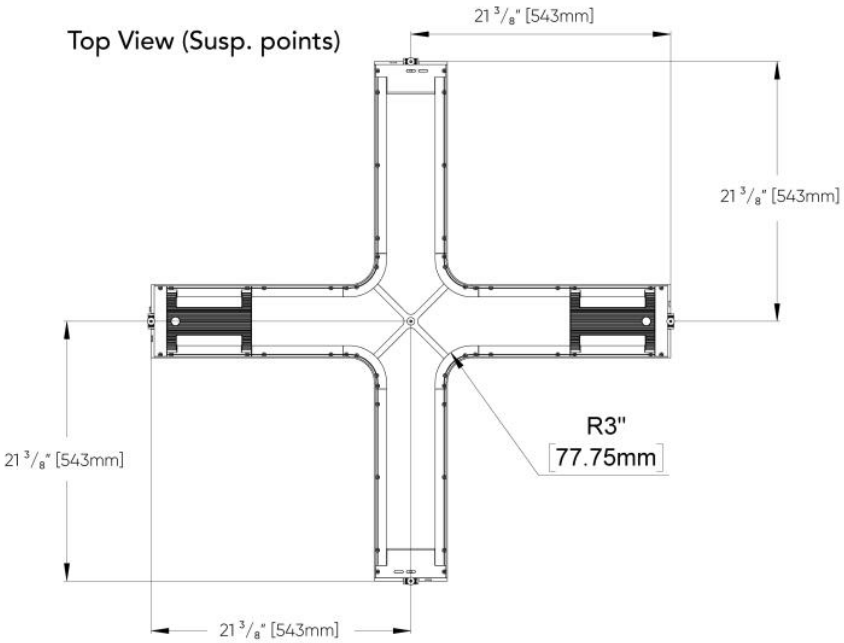
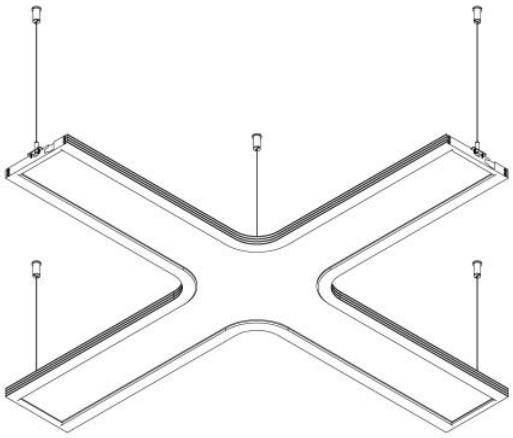
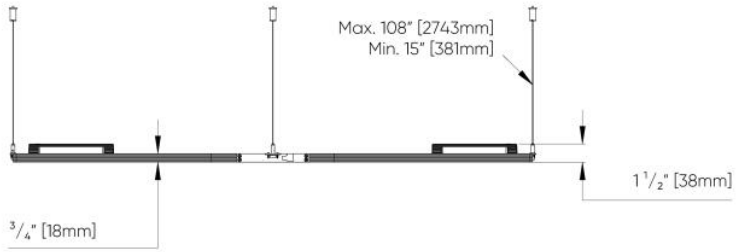
## X SECTION

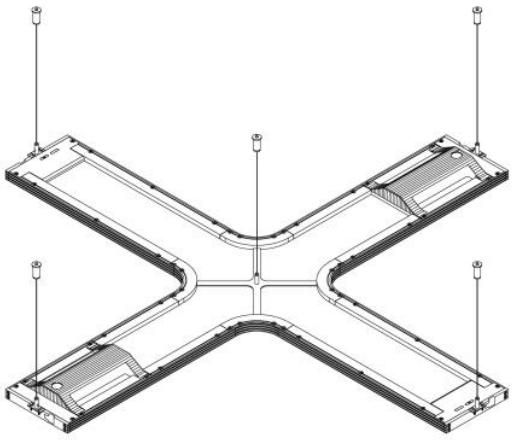
### Top View (Susp. points)



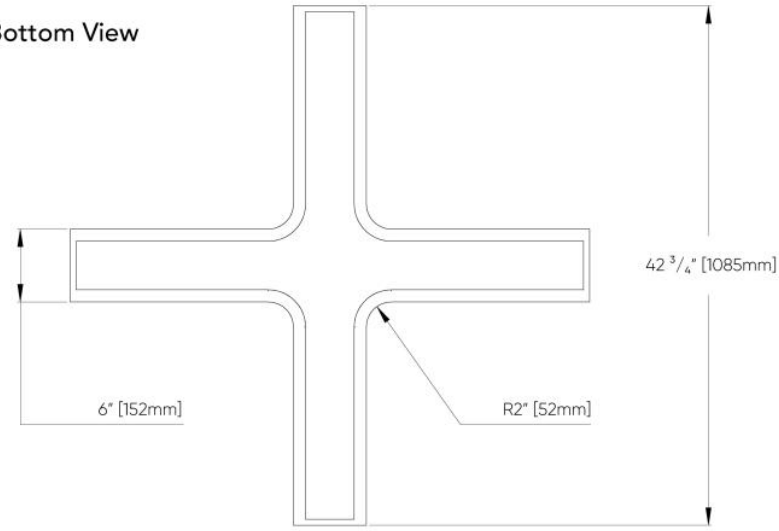



### Front View



### Bottom View







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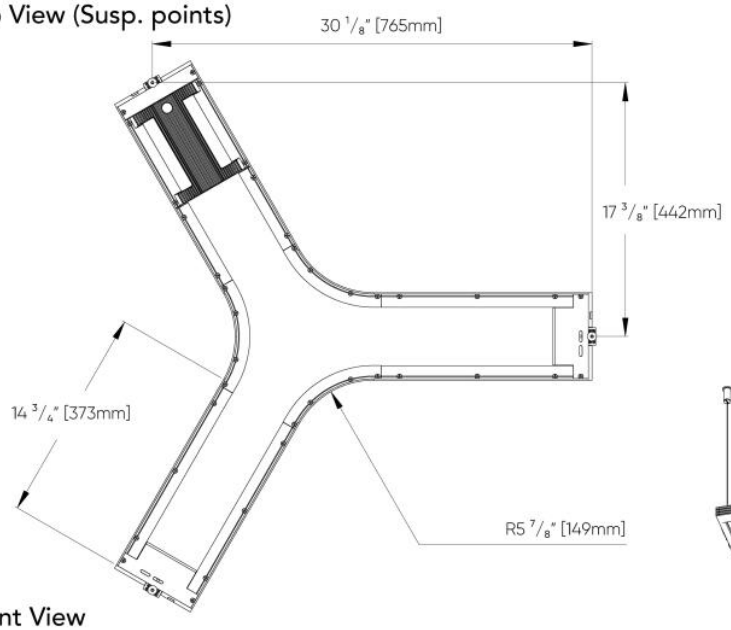
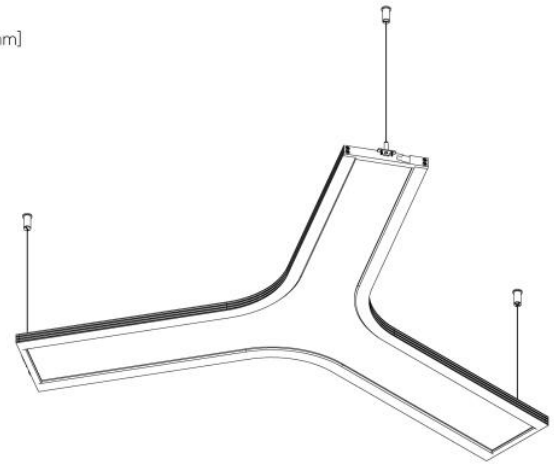
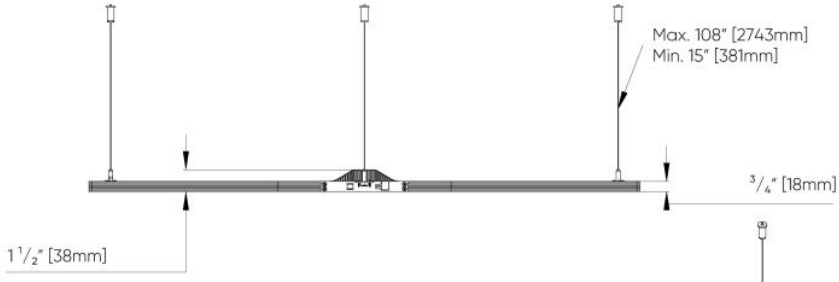
## Y SECTION

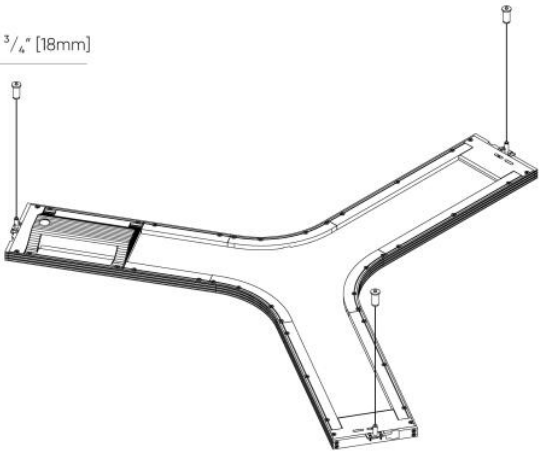
### Top View (Susp. points)



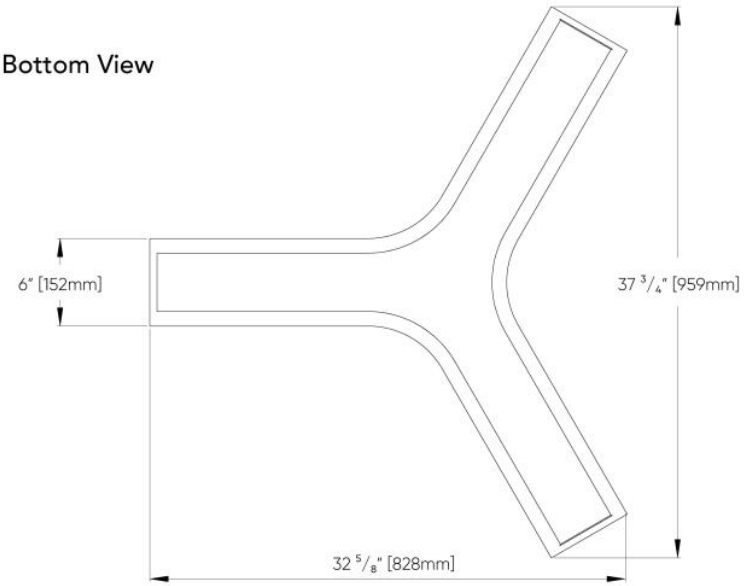



### Front View



### Bottom View





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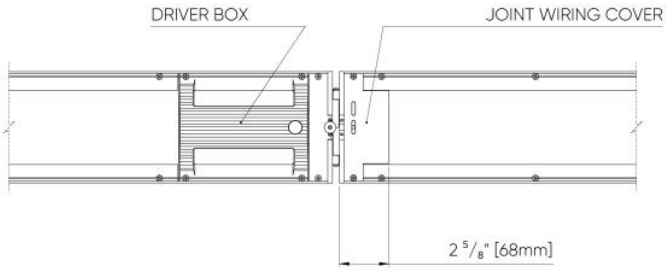
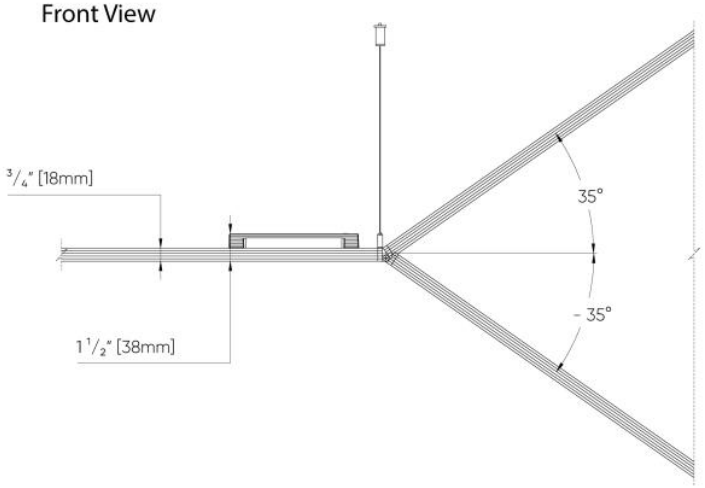
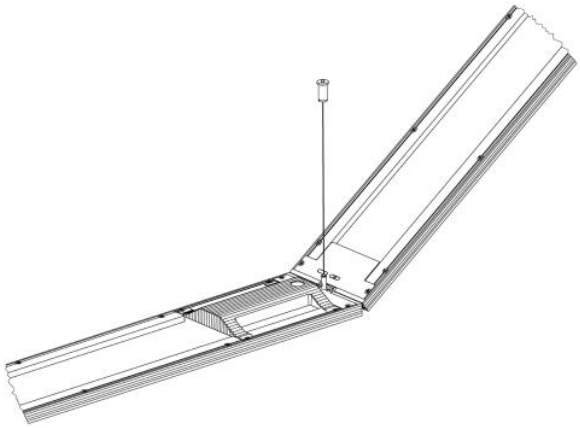
## FLEXIBLE JOINER

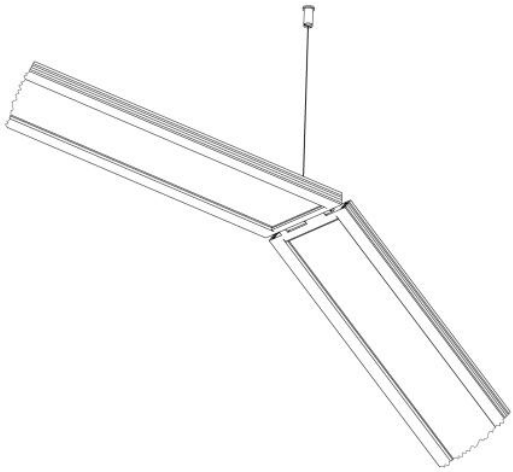
### Top View



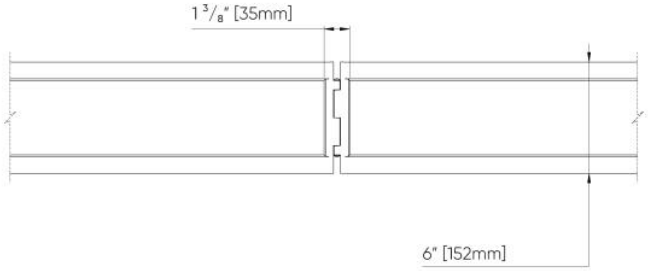

### Front View





### Bottom View





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