

TRAXON Plus⁺

Linear Plus Dynamic White



Project: _____

Type: _____



IP66



COAST



DMX/RDM



ANSI 3G



IK08

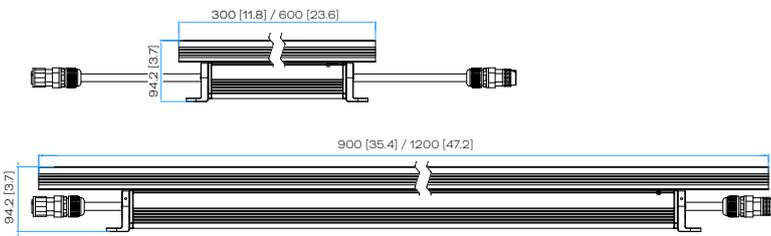
The Traxon Linear Plus is an AC powered, high-brightness outdoor luminaire that seamlessly integrates into any architectural, residential, or commercial setting. Featuring a choice of DMX/RDM and 0-10V control, RGBW (Quad and Discrete), DW and White color options and intelligent control personalities, allowing seamless Linear grazing and washing effects.

Features

- DMX / RDM control
- Easy installation and maintenance
- Dynamic Boost
- Assortment of optical and installation accessories

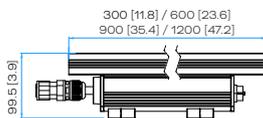
Dimensions

Unit: mm [inches]



Panel Mount Output Version

Unit: mm [inches]



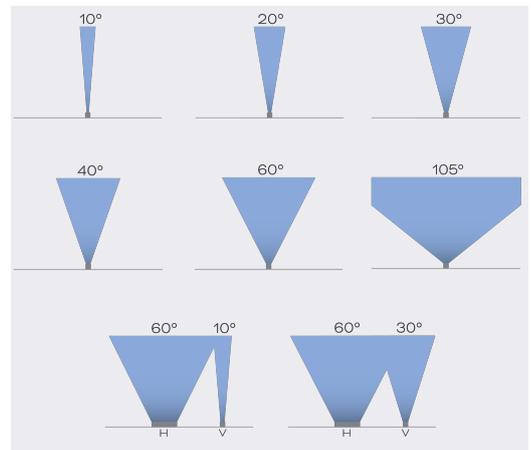
Technologies

- Dynamic Boost
- Auto-Addressing / Manual Addressing

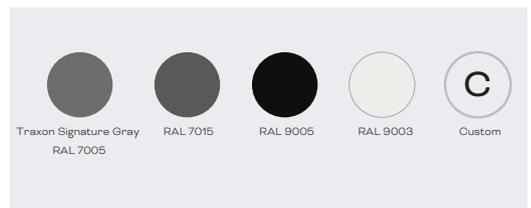
Color Options



Beam Angles



Finish



Product Specifications

Length Option	300mm [1ft]	600mm [2ft]	900mm [3ft]	1200mm [4ft]
Pixels	1	2 (1 pixel is on demand)	3 (1 pixel is on demand)	4 (1/2 pixel is on demand)
Color Range	DW 2700K-5700K ¹			
Color Resolution	16-Bit Grayscale, Gamma 2.2			
Refresh Rate	12kHz			
LED Quantity	DW 6+6 pcs	DW 12+12 pcs	DW 18+18 pcs	DW 24+24 pcs
Beam Angle	10°, 20°, 30° 40°, 60°, 105°, 60° x 10°, 60° x 30°			
Luminous Flux (Dynamic Boost Full On)	15W: 1200 lm (10°)	30W: 2490 lm (10°)	45W: 3915 lm (10°)	60W: 5340 lm (10°)
Efficacy (Dynamic Boost Full On)	15W: 80 lm/W (10°)	30W: 83 lm/W (10°)	45W: 87 lm/W (10°)	60W: 89 lm/W (10°)
CRI	90 CRI by request: 2700K-4000K (CRI90)			
Housing	Powder Coated Extruded Aluminum			
Housing Finish	Standard color: Traxon Signature Gray (RAL7005) Optional color: Gray (RAL7015), Black (RAL9005), White (RAL9003), Custom			
Cover Lens	Tempered glass			
Mounting	Surface Mount Optional mounting accessories are available			
Adjustment Options	-90° to +90° -90° (Panel Mount)			
Dimensions (L x W x H)	300mm x 50mm x 94mm 11.8" x 2" x 3.7"	600mm x 50mm x 94mm 23.6" x 2" x 3.7"	900mm x 50mm x 94mm 35.4" x 2" x 3.7"	1200mm x 50mm x 94mm 47.2" x 2" x 3.7"
Dimensions (Panel Mount) (L x W x H)	300mm x 50mm x 99.5mm 11.8" x 2" x 3.9"	600mm x 50mm x 99.5mm 23.6" x 2" x 3.9"	900mm x 50mm x 99.5mm 35.4" x 2" x 3.9"	1200mm x 50mm x 99.5mm 47.2" x 2" x 3.9"
Weight	1.9kg / 4.2lbs	3.1kg/6.8lbs	4.4kg/9.7lbs	5.6kg / 12.4lbs
Weight (Panel Mount)	1.9kg / 4.2lbs	3.1kg/6.8lbs	4.4kg/9.7lbs	5.6kg / 12.4lbs
EPA	Front: 0.06 sq.ft Side: 0.45 sq.ft	Front: 0.06 sq.ft Side: 0.8 sq.ft	Front: 0.06 sq.ft Side: 0.92 sq.ft	Front: 0.06 sq.ft Side: 1.27 sq.ft
EPA (Panel Mount)	Front: 0.06 sq.ft Side: 0.32 sq.ft	Front: 0.06 sq.ft Side: 0.67 sq.ft	Front: 0.06 sq.ft Side: 1.02 sq.ft	Front: 0.06 sq.ft Side: 1.34 sq.ft
Regulatory Listing & Safety Approval	Electrical Protection Class I, cETLus, FCC, IK08			
Operating Temperature	-40°C* to +50°C / -40°F* to +122°F			
Min. Starting Temperature	-20°C (-4°F)			
Storage Temperature	-40°C to +80°C (-40°F to +176°F)			
Environment	Outdoor (IP66), suitable for coastal environments UL1598A Marine Certified			
Humidity	10-90%, non-condensing			

Electrical Specifications

Operating Voltage	120-277V AC 50 / 60Hz			
Power Consumption (W)	4 / 8 / 12 / 15	8 / 16 / 24 / 30	12 / 24 / 36 / 45	16 / 32 / 48 / 60
Lumen Maintenance	L70 @ 25°C - 100,000 hours			

System Specifications

Power Supply	AC line			
Control	DMX/RDM RDM Personalities: DW Equal Current mode, DW White Balance mode (Default, DW2757 full on to 4000K), Dynamic Boost mode			
Addressing Options	Auto-addressing ON or Auto-addressing OFF			

¹ Other DW CCT combinations can be customized

² Rated operating temperatures are the absolute min/max temperatures meant to be for short periods of time. Not sustained temperatures for extended periods.

LED CHARACTERISTICS Because LEDs are semiconductor devices, their performances are subject to inherent variability commonly found in semiconductor industry. To improve consistency in performance across the same product, LED manufacturers "sort" LEDs into bins according to different preset parameters, such as forward driving voltage, illumination, etc. Whereas binning is a sorting function, it is not a correction process. Inherent variability in the manufacturing process results always in different binning distributions according to different production lots. Traxon uses automatically binned LEDs on its products, thereby minimizing output variations within the model range.

As with all electronic devices, LED output degrades over time – a term called lumen depreciation. This also explains why it is nearly impossible to expect photometric performances of two LED products with different service life spans to be the same. The rate of LED degrade is a complicated function of many factors such as operating efficiency, duration of continuous operation, and more significantly, environmental conditions (ambient temperature for example). If allowed working under optimal operating temperature range and with good ventilation, LED devices enjoy long service lives over conventional light sources. When using/installing LED devices, care should be taken to ensure that the devices will operate within the operating conditions specified in respective product literature.

This product contains a light source of energy efficiency class G to Regulation (EU) No 2019/2015.

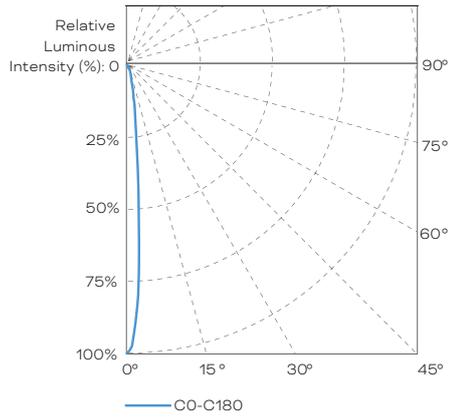
Lumen measurement complies with LM-79-08 standard.

Lumen maintenance is calculated based on LM-80 compliant measurement.

Source Specifications

Length Option	300mm [1ft]	600mm [2ft]	900mm [3ft]	1200mm [4ft]
Source	DW 6+6 pcs	DW 12+12 pcs	DW 18+18 pcs	DW 24+24 pcs
Optics	10°			

Candela Distribution



Light Output

		Color	Luminous Flux (lm)	Center Intensity (cd)	Efficacy (lm/W)
300mm [1ft]	4W	Full On	266	4853	67
	8W		609	11106	76
	12W		925	16869	77
	15W		1200	21874	80
600mm [2ft]	8W	Full On	552	10070	69
	16W		1264	23045	79
	24W		1920	35003	80
	30W		2490	45388	83
900mm [3ft]	12W	Full On	869	15833	72
	24W		1988	36233	83
	36W		3019	55035	84
	45W		3915	71363	87
1200mm [4ft]	16W	Full On	1185	21596	74
	32W		2711	49422	85
	48W		4118	75067	86
	60W		5340	97338	89

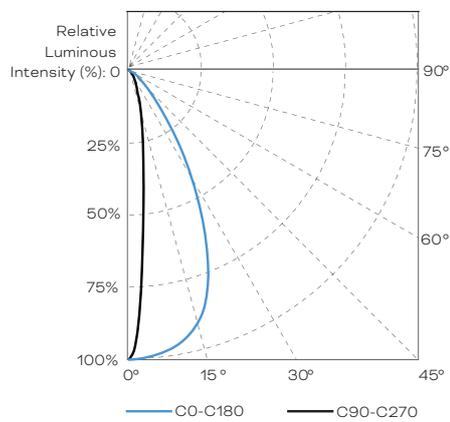
Luminaire setting: Dynamic Boost mode.

NOTE: Please see CAD files for additional dimensional data.

Source Specifications

Length Option	300mm [1ft]	600mm [2ft]	900mm [3ft]	1200mm [4ft]
Source	DW 6+6 pcs	DW 12+12 pcs	DW 18+18 pcs	DW 24+24 pcs
Optics				

Candela Distribution



Light Output

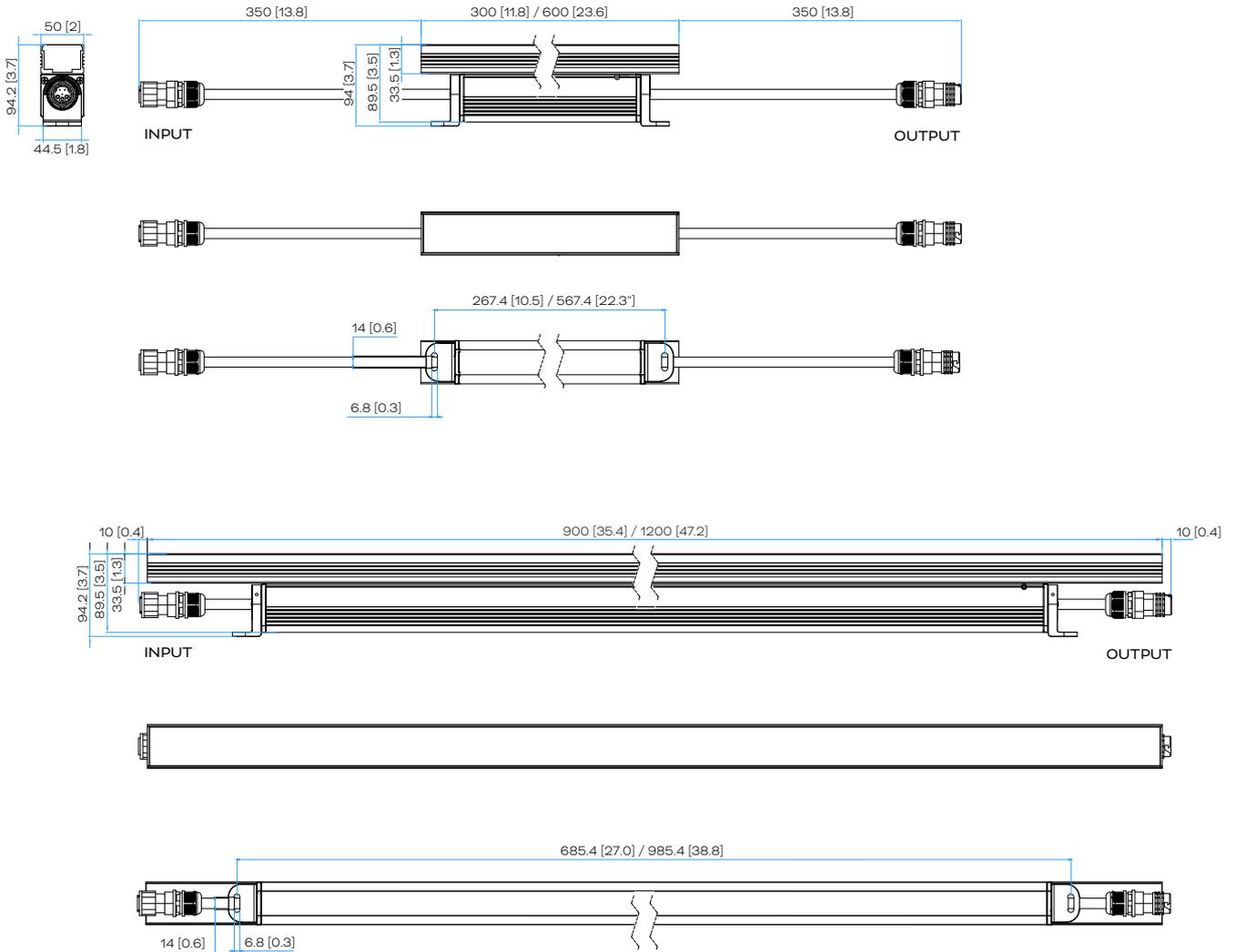
		Color	Luminous Flux (lm)	Center Intensity (cd)	Efficacy (lm/W)
300mm [1ft]	4W	Full On	255	899	64
	8W		583	2057	73
	12W		885	3124	74
	15W		1148	4051	77
600mm [2ft]	8W	Full On	529	1865	66
	16W		1210	4268	76
	24W		1837	6483	77
	30W		2382	8407	79
900mm [3ft]	12W	Full On	831	2933	69
	24W		1902	6711	79
	36W		2889	10194	80
	45W		3745	13218	83
1200mm [4ft]	16W	Full On	1133	4000	71
	32W		2594	9154	81
	48W		3940	13904	82
	60W		5109	18029	85

Luminaire setting: Dynamic Boost mode.

NOTE: Please see CAD files for additional dimensional data.

Fixture

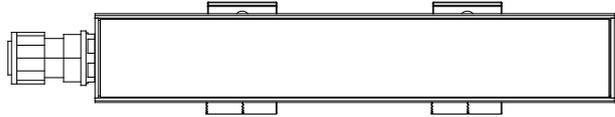
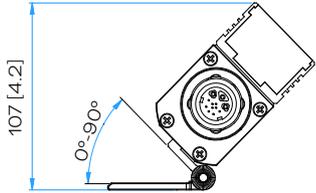
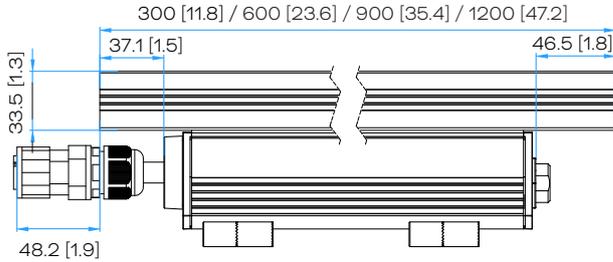
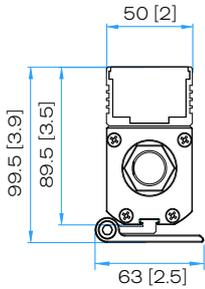
Unit: mm [inches]



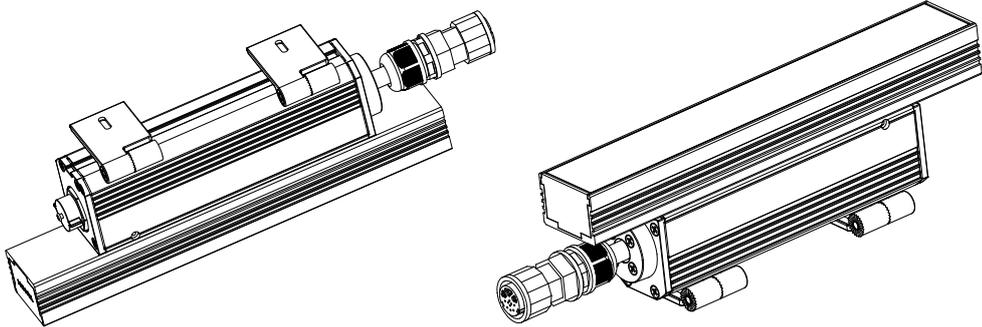
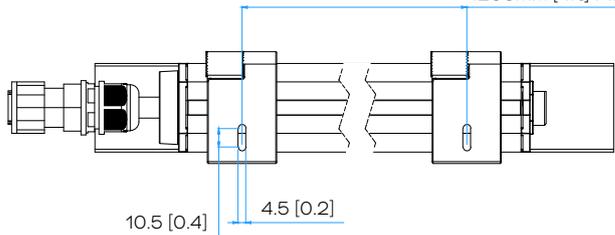
NOTE: Please see CAD files for additional dimensional data.

Panel Mount Option

Unit: mm [inches]



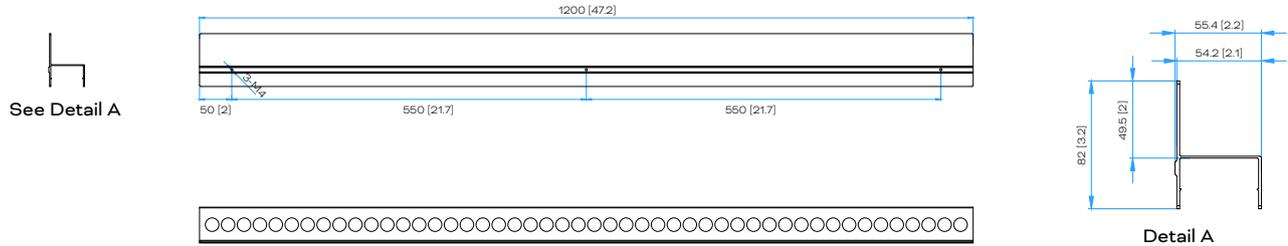
300mm [1ft] Min: 80 [3.1] / Max: 150 [5.9]
600mm [2ft] Min: 100 [3.9] / Max: 450 [17.7]
900mm [3ft] Min: 200 [7.9] / Max: 750 [29.5]
1200mm [4ft] Min: 300 [11.8] / Max: 1050 [41.3]



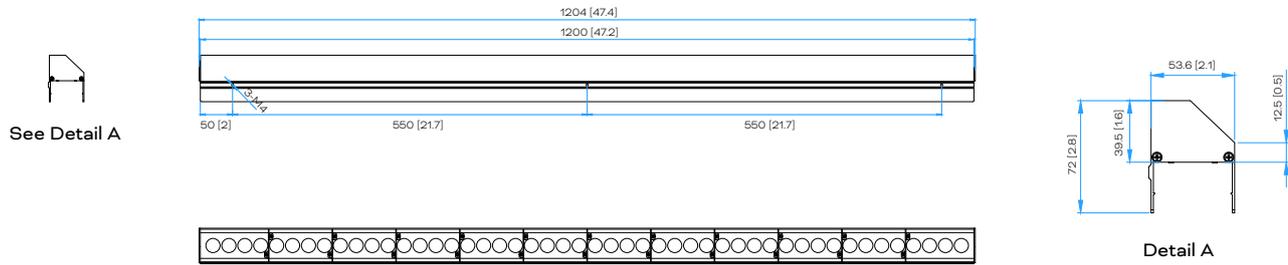
Optical Accessories

Unit: mm [inches]

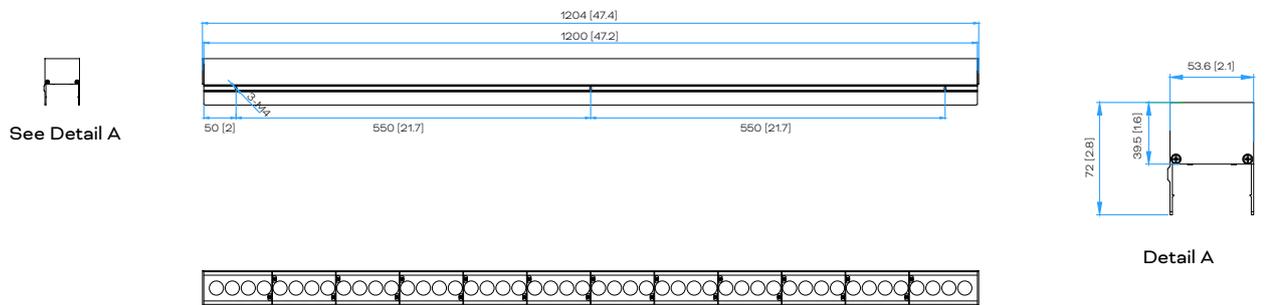
LINEAR PLUS LOUVER PLATE Discrete



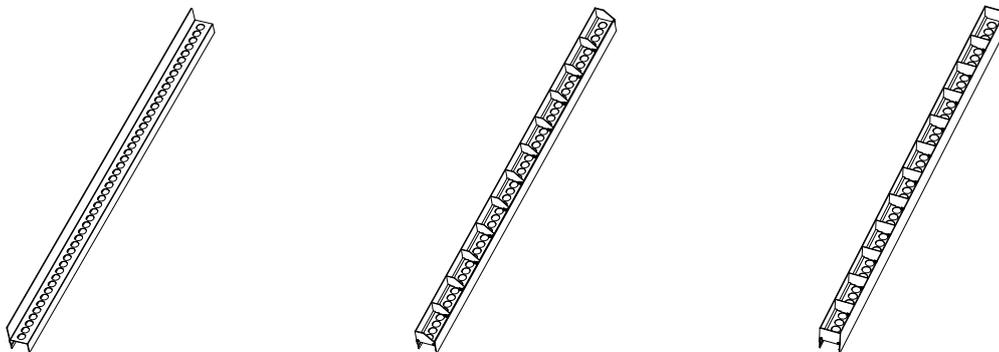
LINEAR PLUS LOUVER (ASYM) Discrete



LINEAR PLUS LOUVER (SYM) Discrete



Color Finish: TX Signature Gray / Gray / Black / White



LINEAR PLUS LOUVER PLATE Discrete

LINEAR PLUS LOUVER (ASYM) Discrete

LINEAR PLUS LOUVER (SYM) Discrete

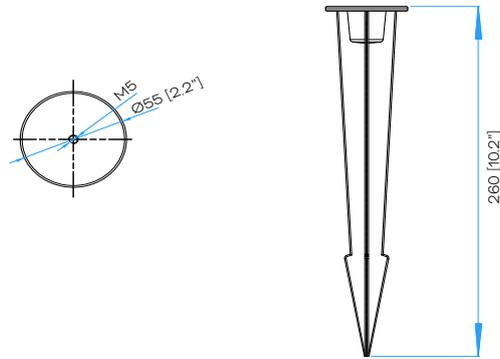
NOTE: 300mm [11.8"] / 600mm [23.6"] / 900mm [35.4"] / 1200mm [47.2"] are available.

NOTE: Please see CAD files for additional dimensional data.

Mounting Accessories

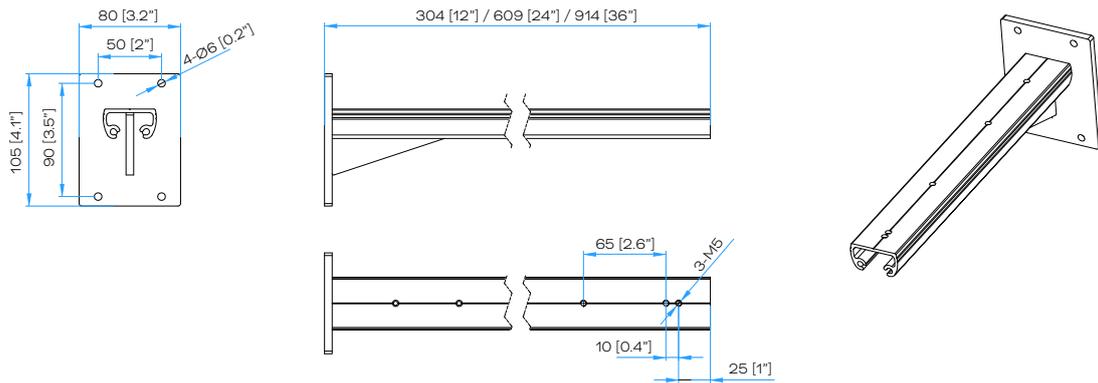
LINEAR PLUS STAKE KIT (1 PC) (DA25103496855)

Unit: mm [inches]



LINEAR PLUS WALL MOUNT ARM 300 / 600 / 900 (1 PC) (DA25103496555 / DA25103496655 / DA25103496755)

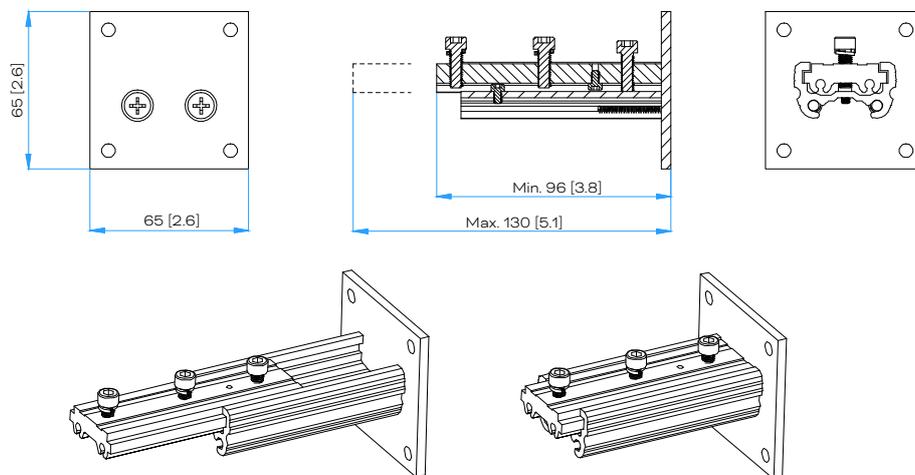
Unit: mm [inches]



For the Linear Wall Mount Arm: Length options include 300mm (11.81") / 600mm (23.62") / 900mm (35.43")

LINEAR PLUS WALL MOUNT ARM EXTENDABLE 96-130 (1 PC) (DA25103496455)

Unit: mm [inches]

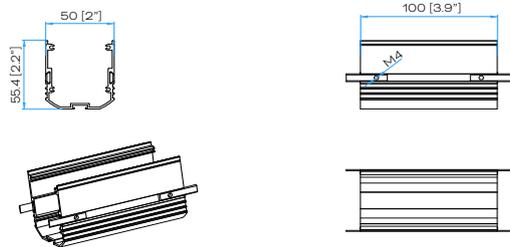


NOTE: Please see CAD files for additional dimensional data.

Mounting Accessories

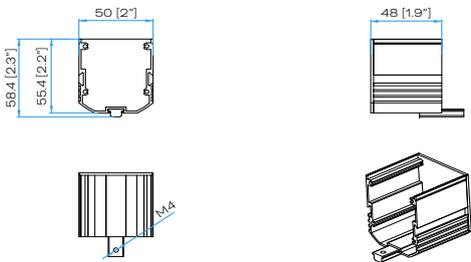
LINEAR PLUS CABLE CONCEALING KIT - MIDDLE (1PC) (DA25103513255)

Unit: mm [inches]



LINEAR PLUS CABLE CONCEALING KIT - END (1PC) (DA25103513355)

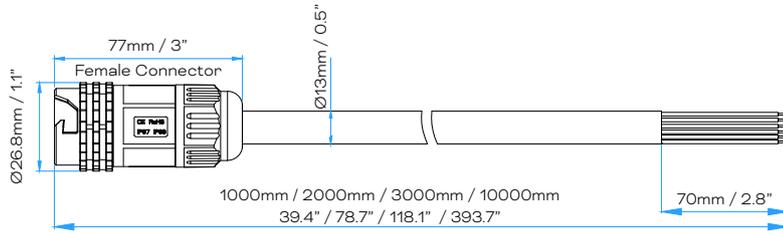
Unit: mm [inches]



NOTE: Please see CAD files for additional dimensional data.

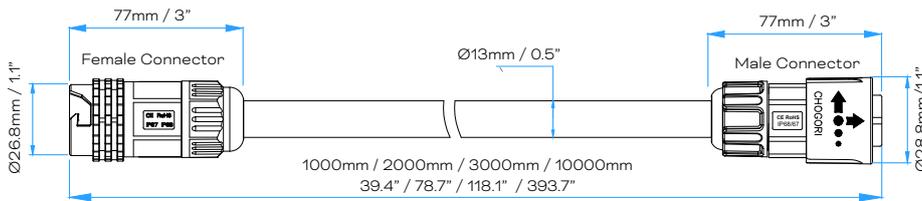
Connection Accessories

DMX Starter Cable



DMX Cable color connection	
Female connector	
Black	Green
White	White
Yellow	Yellow
Blue	Blue
Brown	Brown
<ul style="list-style-type: none"> Black: Line White: Neutral Brown: DMX+ Blue: DMX- Green: Protective Earth Yellow: Not used 	

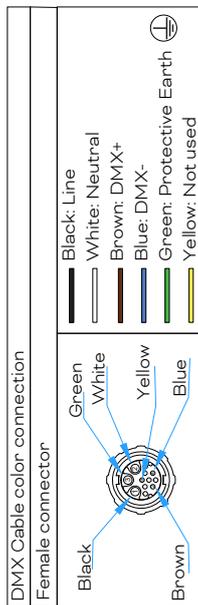
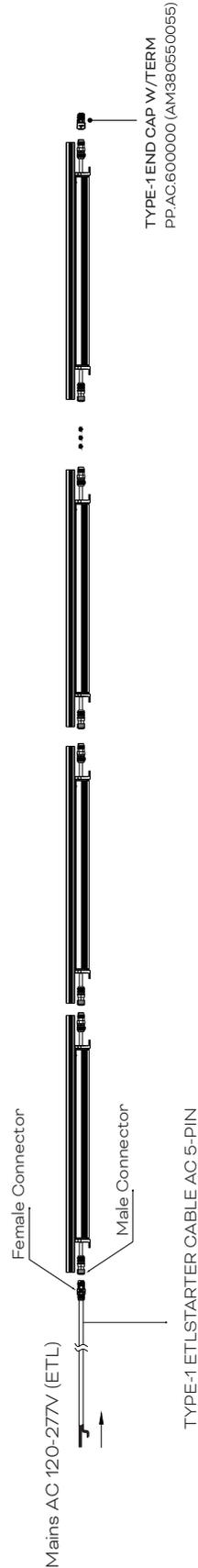
DMX Interconnection Cable



DMX Cable color connection	
Female connector	
Black	Green
White	White
Yellow	Yellow
Blue	Blue
Brown	Brown
<ul style="list-style-type: none"> Black: Line White: Neutral Brown: DMX+ Blue: DMX- Green: Protective Earth Yellow: Not used 	
Male connector	
White	Green
Black	Black
Yellow	Yellow
Brown	Brown
Blue	Blue

NOTE: Please see CAD files for additional dimensional data.

Wiring Diagram without TYPE-1 Injector



- Maximum number of fixtures is based on minimal interconnection lengths fixture to fixture.
- Actual number of fixtures is dependent on cable interconnection lengths. The number of fixtures will reduce if longer cable lengths are used.
- Please consult regional sales office to confirm maximums.

Maximum Number of Fixture per Chain

Length	Wattage	120V AC	220V AC	277V AC
300mm [1ft]	15W	48	92	118
600mm [2ft]	30W	32	62	80
900mm [3ft]	45W	25	49	62
1200mm [4ft]	60W	21	41	52

- Maximum number of fixtures is based on minimal interconnection lengths fixture to fixture.
- Actual number of fixtures is dependent on cable interconnection lengths. The number of fixtures will reduce if longer cable lengths are used.
- Please consult regional sales office to confirm maximums.

Model Number Builder

LI.	PL.	1	NN	N	8	1	N	N	1	2	N	N	N	1	00
			Housing	Power per 0.3m (ft)	LED	CCT	CRI	Optics/Beam	Length	Control	Approbation	Color Finish	Pixel*	Cable/ Connector	
			04 - 4W	6 - DW (Discrete)	8 - 2700K + 5700K	1 - Default	1 - 10°	1 - 300mm (1ft)	1 - DMX/RDM	2 - ETL	0 - TX Signature Gray	1 - 1PXL/fixture	1 - Type 1		
			08 - 8W	7 - DW (Clustered)			3 - 20°	2 - 600mm (2ft)			1 - Gray	2 - 2PXL/fixture	3 - Type 1 Panel		
			12 - 12W				5 - 30°	3 - 900mm (3ft)			2 - Black	3 - 3PXL/fixture			
			15 - 15W				7 - 40°	4 - 1200mm (4ft)			3 - White	4 - 4PXL/fixture			
							9 - 60°								
							A - 105°								
							B - 60°x10°								
							D - 60°x30°								

* Standard Pixel: 300mm fixture - 1PXL, 600mm fixture - 2PXL, 900mm - 3PXL, 1200mm fixture - 4 PXL.

EXAMPLE LINEAR PLUS 60W DW (DISCRETE) 2700K 10° 1200 ETL 4PXL (CC)
Model Number: LI.PL.1156811412041100

LI.	PL.	1	15	6	8	1	1	4	1	2	0	4	1	1	00
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Project Model Number

CL.	PL.	1			8	1			1	2				1	00
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Injector

Model No.	Description	Item Code
PP.AC.100001	TYPE-1 TX INJECTOR	AM374890055
PP.AC.100002	TYPE-1 TX INJECTOR BL	AM374900055
PP.AC.100003	TYPE-1 TX INJECTOR WT	AM374910055
PP.AC.400000	TX INJECTOR RJ45 FLD CTRS (PAIR)	AM380560055

Cable/Connector

Model No.	Description	Item Code
PP.A1.303000	TYPE-1 ETL TX-INJECTOR POWER CABLE AC 3-PIN 3M	AM374840155
KO.KA.601000	TYPE-1 ETL INTERCONNECTION CABLE AC 5-PIN 1M	AM357490055
KO.KA.602000	TYPE-1 ETL INTERCONNECTION CABLE AC 5-PIN 2M	AM357500055
KO.KA.603000	TYPE-1 ETL INTERCONNECTION CABLE AC 5-PIN 3M	AM357510055
KO.KA.610000	TYPE-1 ETL INTERCONNECTION CABLE AC 5-PIN 10M	AM357520055
CA.SC.CC201000	TYPE-1 ETL STARTER CABLE AC 5-PIN 1M	DA23100149355
CA.SC.CC202000	TYPE-1 ETL STARTER CABLE AC 5-PIN 2M	DA23100149455
CA.SC.CC203000	TYPE-1 ETL STARTER CABLE AC 5-PIN 3M	DA23100149555
CA.SC.CC210000	TYPE-1 ETL STARTER CABLE AC 5-PIN 10M	DA23100149655
PP.AC.600000	TYPE-1 END CAP W/TERM	AM380550055

Optical Accessories

Model No.	Description	Item Code
LIPLLO-S.6L1000	LINEAR PLUS LOUVER (SYM) Discrete 300	DA25103492855
LIPLLO-S.7L1000	LINEAR PLUS LOUVER (SYM) Discrete 600	DA25103492955
LIPLLO-S.8L1000	LINEAR PLUS LOUVER (SYM) Discrete 900	DA25103493055
LIPLLO-S.9L1000	LINEAR PLUS LOUVER (SYM) Discrete 1200	DA25103493155
LIPLLO-A.6L1000	LINEAR PLUS LOUVER (ASYM) Discrete 300	DA25103493255
LIPLLO-A.7L1000	LINEAR PLUS LOUVER (ASYM) Discrete 600	DA25103493355
LIPLLO-A.8L1000	LINEAR PLUS LOUVER (ASYM) Discrete 900	DA25103493455
LIPLLO-A.9L1000	LINEAR PLUS LOUVER (ASYM) Discrete 1200	DA25103493555
LIPLLO-P.6L1000	LINEAR PLUS LOUVER PLATE Discrete 300	DA25103493655
LIPLLO-P.7L1000	LINEAR PLUS LOUVER PLATE Discrete 600	DA25103493755
LIPLLO-P.8L1000	LINEAR PLUS LOUVER PLATE Discrete 900	DA25103493855
LIPLLO-P.9L1000	LINEAR PLUS LOUVER PLATE Discrete 1200	DA25103493955

NOTE: Optical accessories color finish can be TX Signature Gray / Gray / Black / White.

Mounting Accessories

Model No.	Description	Item Code
N/A	LINEAR PLUS WALL MOUNT ARM EXTENDABLE 96-130 (1 PC)	DA25103496455
N/A	LINEAR PLUS WALL MOUNT ARM 300 (1 PC)	DA25103496555
N/A	LINEAR PLUS WALL MOUNT ARM 600 (1 PC)	DA25103496655
N/A	LINEAR PLUS WALL MOUNT ARM 900 (1 PC)	DA25103496755
N/A	LINEAR PLUS STAKE KIT (1 PC)	DA25103496855
N/A	LINEAR PLUS CABLE CONCEALING KIT - MIDDLE (1PC)	DA25103513255
N/A	LINEAR PLUS CABLE CONCEALING KIT - END (1PC)	DA25103513355

