TRAXON Plus+

Linear Plus HO White

Project: _____

Type: _____



IP66 COAST DMX/RDM

ANSI 3G IK08 0-10V

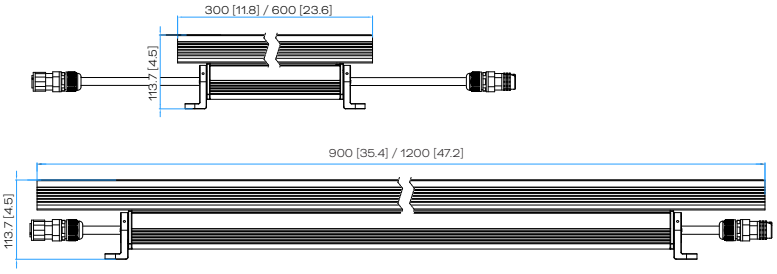
The Traxon Linear Plus is an AC powered, high-brightness outdoor luminaire that seamlessly integrates into any architectural, residential, or commercial setting. Featuring a choice of DMX/RDM and 0-10V control, RGBW (Quad and Discrete), DW and White color options and intelligent control personalities,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

Features

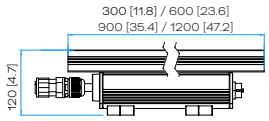
- DMX / RDM / 0-10V control
- Easy installation and maintenance
- Dynamic Boost (DMX / RDM only)
- Assortment of optical and installation accessories

Dimensions

Unit: mm [inches]



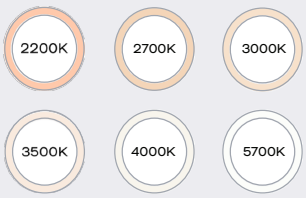
Panel Mount Output Version
Unit: mm [inches]



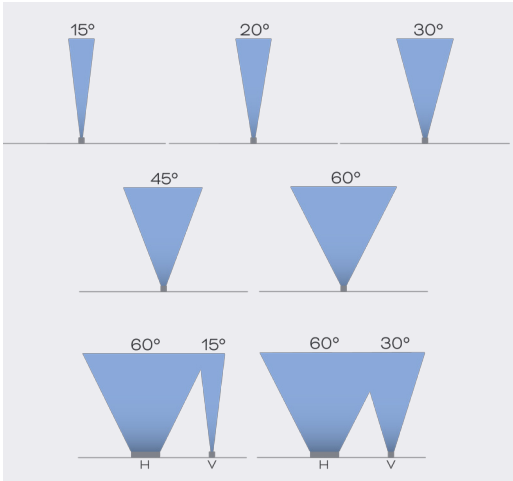
Technologies

- Dynamic Boost (DMX / RDM only)
- Auto-Addressing / Manual Addressing (DMX/ RDM only)

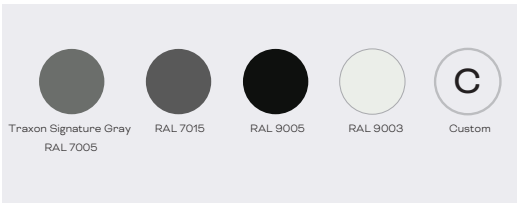
Color Options



Beam Angles



Finish



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Linear Plus HO White

Specifications

Product Specifications

Length Option	300mm [1ft]	600mm [2ft]	900mm [3ft]	1200mm [4ft]
Pixels (DMX/RDM)	1	2 (1 pixel is on demand)	3 (1 pixel is on demand)	4 (1 / 2 pixel is on demand)
Color Range	White: 2200K, 2700K, 3000K, 3500K, 4000K, 5700K, 6500K[1]			
Color Resolution	16-Bit Grayscale, Gamma 2.2			
Refresh Rate	12kHz			
LED Quantity	White Quad (Q) LED 5pcs	White Quad (Q) LED 10pcs	White Quad (Q) LED 15pcs	White Quad (Q) LED 20pcs
Beam Angle	15°, 20°, 30°, 45°, 60°, 60° x 15°, 60 ° x 30°			
Luminous Flux (DMX Full On)	30W: 2280.3 lm (4000K 15°)	60W: 4726.4 lm (4000K 15°)	90W: 7214.0 lm (4000K 15°)	120W: 9618.7 lm (4000K 15°)
Efficacy (DMX Full On)	30W: 76 lm/W (4000K 15°)	60W: 78.8 lm/W (4000K 15°)	90W: 80.2 lm/W (4000K 15°)	120W: 80.2 lm/W (4000K 15°)
CRI	90 CRI by request: 2700K-4000K (CRI90)			
Housing	Powder Coated Extruded Aluminum			
Housing Finish	Standard color: Traxon Signature Gray (RAL7005) 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 70mm x 114mm 11.8" x 2.8" x 4.5"	600mm x 70mm x 114mm 23.6" x 2.8" x4.5"	900mm x 70mm x 114mm 35.4" x 2.8" x 4.5"	1200mm x 70mm x 114mm 47.2" x 2" x 4.5".8
Dimensions (Panel Mount) (L x W x H)	300mm x 70mm x 110mm 11.8" x 2.8" x 4.3"	600mm x 70mm x 110mm 23.6" x 2.8" x 4.3"	900mm x 70mm x 110mm 35.4" x 2.8" x 4.3"	1200mm x 70mm x 110mm 47.2" x 2.8" x 4.3"
Weight	2.2kg / 5.5lbs	4kg/8.7lbs	5.7kg/12.6lbs	7.5kg / 16.5lbs
Weight (Panel Mount)	2.2kg / 5.5lbs	4kg/8.7lbs	5.7kg/12.6lbs	7.5kg / 16.5lbs
EPA	Front: 0.1 sq.ft Side: 0.49 sq.ft	Front: 0.1 sq.ft Side: 0.87 sq.ft	Front: 0.1 sq.ft Side: 1.04 sq.ft	Front: 0.1 sq.ft Side: 1.42 sq.ft
EPA (Panel Mount)	Front: 0.09 sq.ft Side: 0.36 sq.ft	Front: 0.09 sq.ft Side: 0.74 sq.ft	Front: 0.09 sq.ft Side: 1.13 sq.ft	Front: 0.09 sq.ft Side: 1.51 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)	20 / 30	40 / 60	60 / 90	80 / 120
Lumen Maintenance	L70 @ 25°C – 100,000 hours			

System Specifications

Power Supply	AC line
Control (0-10V)	0-10V Dimming, dim to 1% Current Sinking, <1mA per fixture
Control (DMX/RDM)	DMX/RDM
Addressing Options	Auto-addressing ON or Auto-addressing OFF

1: White 6500K on demand
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 compiles with LM-79-08 standard.
Lumen maintenance is calculated based on LM-80 compliant measurement.

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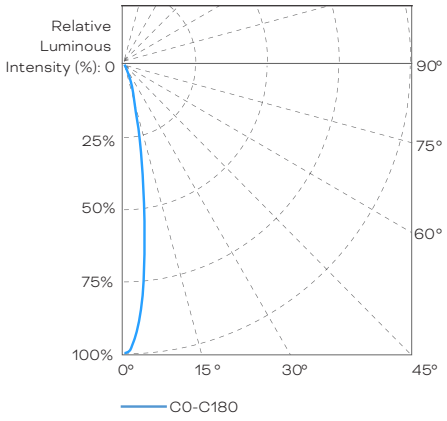
Linear Plus HO White

Photometrics

Source Specifications

Length Option	300mm [1ft]	600mm [2ft]	900mm [3ft]	1200mm [4ft]
Source	White Quad (Q) LED 5pcs	White Quad (Q) LED 10pcs	White Quad (Q) LED 15pcs	White Quad (Q) LED 20pcs
Optics	15°			

Candela Distribution

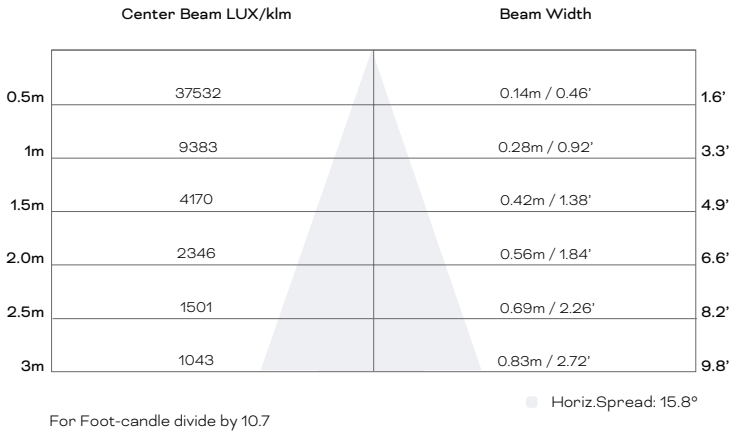


Light Output (DMX/RDM)

		Color	Luminous Flux (lm)	Center Intensity (cd)	Efficacy (lm/W)
300mm [1ft]	20W	4000K	1435.1	13217	71.8
	30W		2280.3	21002	76.0
600mm [2ft]	40W	4000K	2974.5	27395	74.4
	60W		4726.4	43531	78.8
900mm [3ft]	60W	4000K	4540.0	41814	75.7
	90W		7214.0	66441	80.2
1200mm [4ft]	80W	4000K	6053.4	55752	75.7
	120W		9618.7	88588	80.2

Luminaire setting: White-balance mode.

Illuminance at a Distance



For Foot-candle divide by 10.7

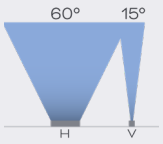
IES and LDT files are available for download from the Traxon website.

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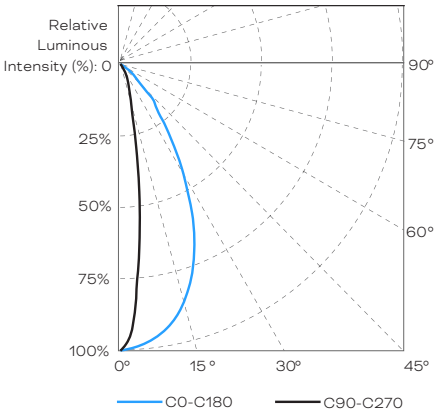
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Linear Plus HO White

Source Specifications

Length Option	300mm [1ft]	600mm [2ft]	900mm [3ft]	1200mm [4ft]
Source	White Quad (Q) LED 5pcs	White Quad (Q) LED 10pcs	White Quad (Q) LED 15pcs	White Quad (Q) LED 20pcs
Optics	60° x 15° 			

Candela Distribution

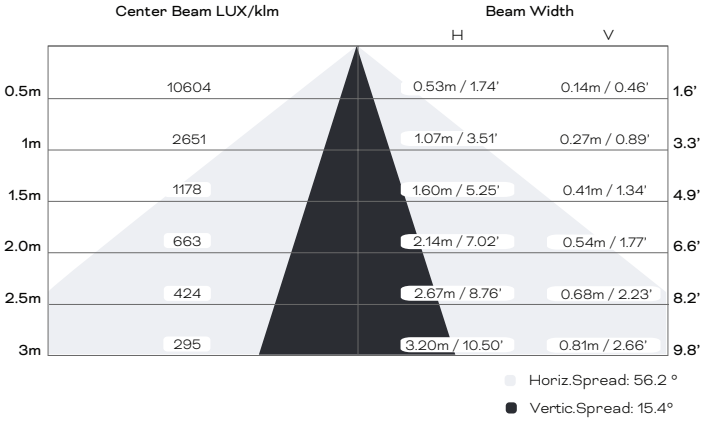


Light Output (DMX/RDM)

		Color	Luminous Flux (lm)	Center Intensity (cd)	Efficacy (lm/W)
300mm [1ft]	20W	4000K	1392.0	3598	69.6
	30W		2211.9	5717	73.7
600mm [2ft]	40W	4000K	2885.3	7458	72.1
	60W		4584.6	11850	76.4
900mm [3ft]	60W	4000K	4403.8	11383	73.4
	90W		6997.6	18087	77.8
1200mm [4ft]	80W	4000K	5871.8	15177	73.4
	120W		9330.2	24115	77.8

Luminaire setting: White-balance mode.

Illuminance at a Distance



For Foot-candle divide by 10.7

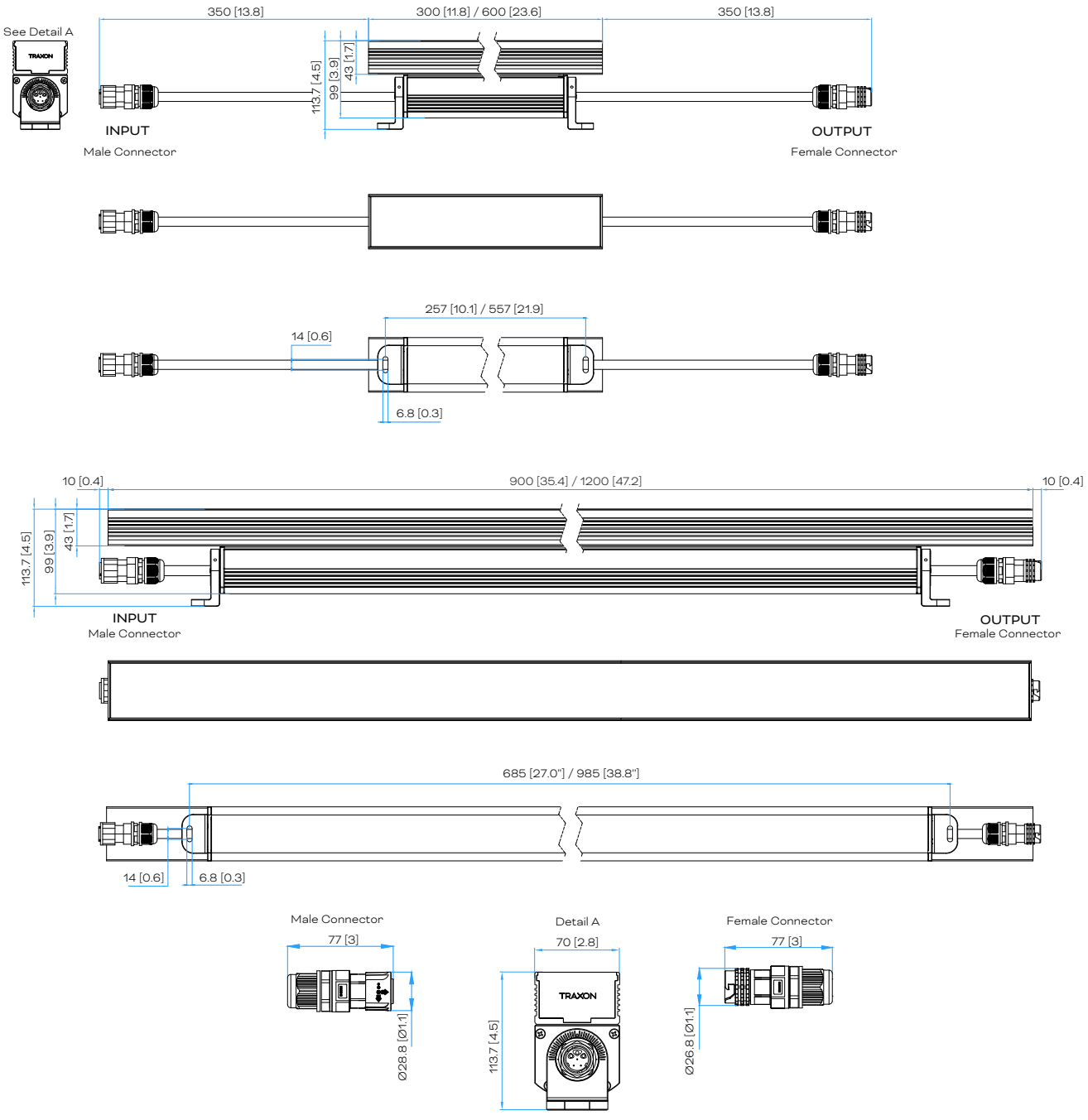
IES and LDT files are available for download from the Traxon website.

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Fixture

Unit: mm [inches]



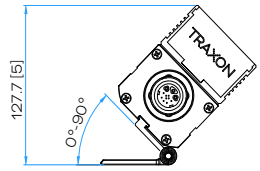
NOTE: Please see CAD files for additional dimensional data.

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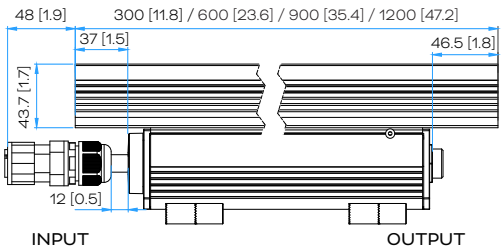
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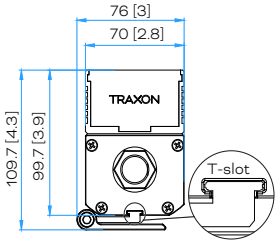
Panel Mount Option

Unit: mm [inches]

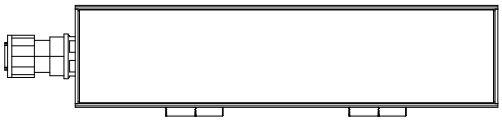


Mounting Bracket can be removed and rotated.

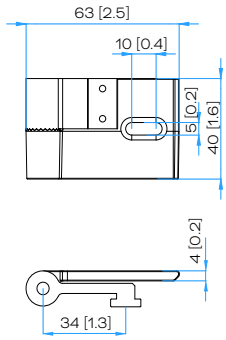




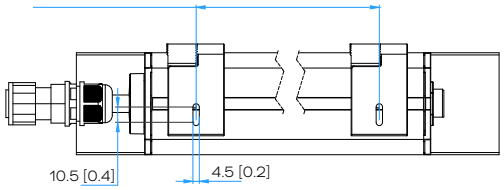
Mounting bracket location is adjustable and can be slid along the length of the T-slot of the fixture.

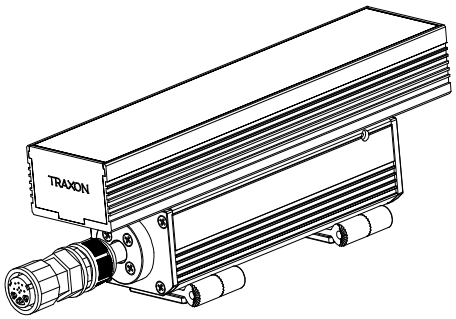


Panel Mount Bracket Dimension



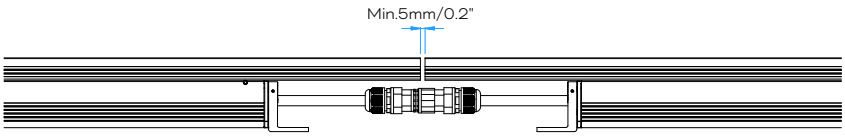
Stated min./max dimensions refer to spacing between two brackets.
300mm [1ft] Min: 80 [3.1] / Max: 150 [5.9]
600mm [2ft] Min: 100 [3.9] / Max: 450 [17.7]
900mm [3ft] Min: 200 [7.9] / Max: 750 [29.5]
1200mm [4ft] Min: 300[11.8] / Max: 1050 [41.3]



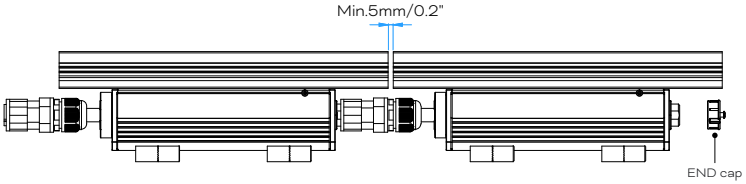


Minimum Clearance

Linear Plus



Linear Plus Panel Mount



NOTE: For Panel Mount fixtures, the cables/connectors are already considered with minimum 5mm [0.2"] spacing when two fixtures are connected.

NOTE: Please see CAD files for additional dimensional data.

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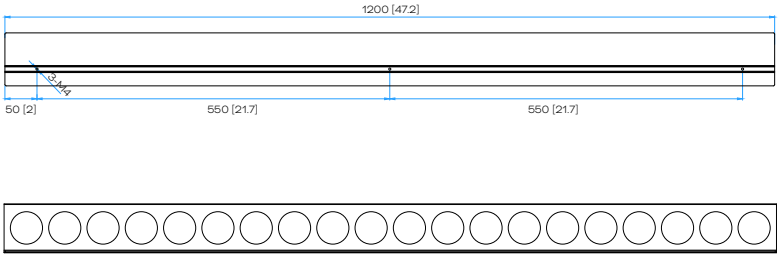
Optical Accessories

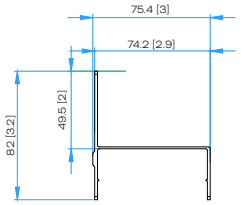
Unit: mm [inches]

LINEAR PLUS HO LOUVER PLATE Quad



See Detail A



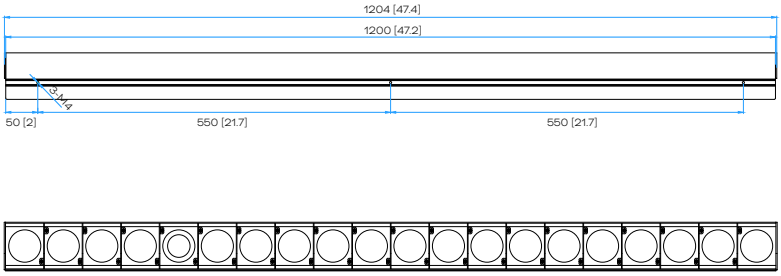


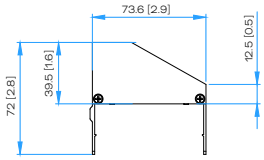
Detail A

LINEAR PLUS HO LOUVER (ASYM) Quad



See Detail A



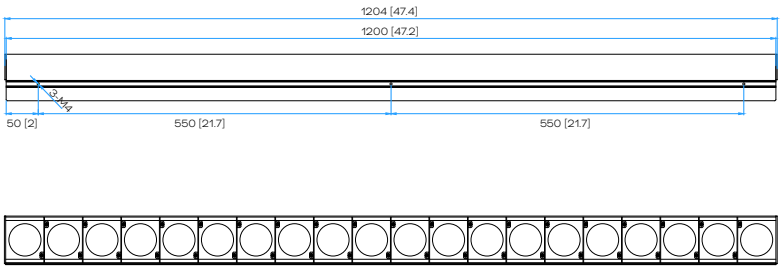


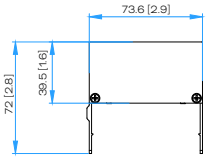
Detail A

LINEAR PLUS HO LOUVER (SYM) Quad



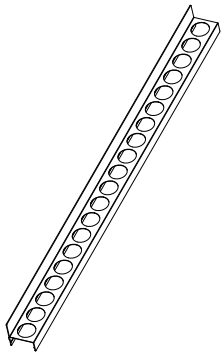
See Detail A



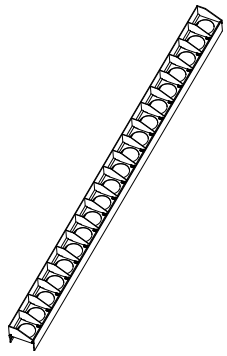


Detail A

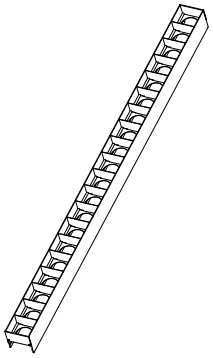
Color Finish: TX Signature Gray / Gray / Black / White



LINEAR PLUS HO LOUVER PLATE Quad



LINEAR PLUS HO LOUVER (ASYM) Quad



LINEAR PLUS HO LOUVER (SYM) Quad

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

NOTE: Please see CAD files for additional dimensional data.

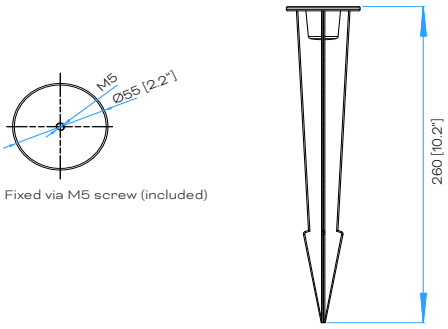
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Mounting Accessories

LINEAR PLUS STAKE KIT (1 PC) (DA25103496855)

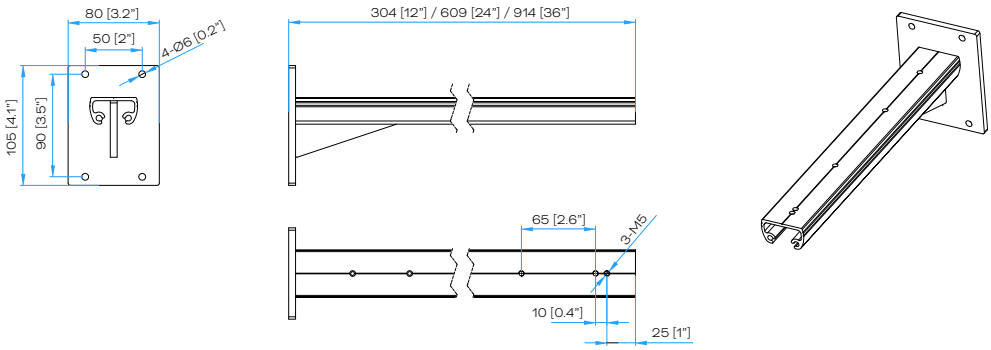
Unit: mm [inches]



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

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

Unit: mm [inches]

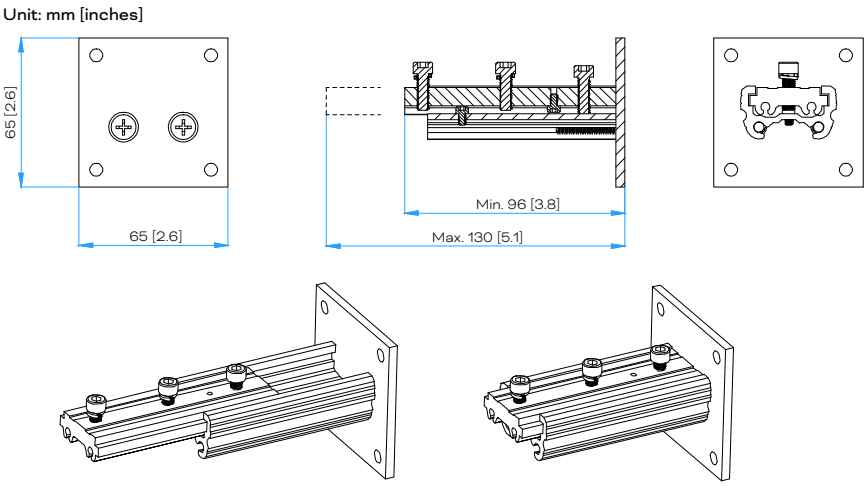


Color Finish: TX Signature Gray / Gray / Black / White

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]



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

NOTE: Please see CAD files for additional dimensional data.

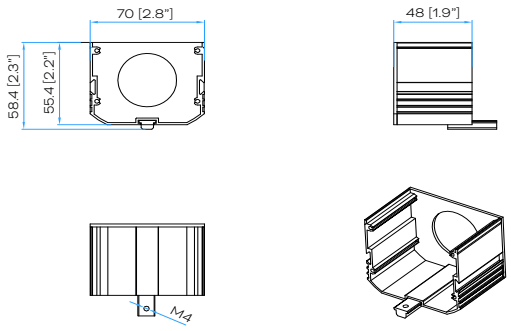
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Mounting Accessories

LINEAR PLUS HO CABLE CONCEALING KIT - FRONT (1PC) (DA26103671355)

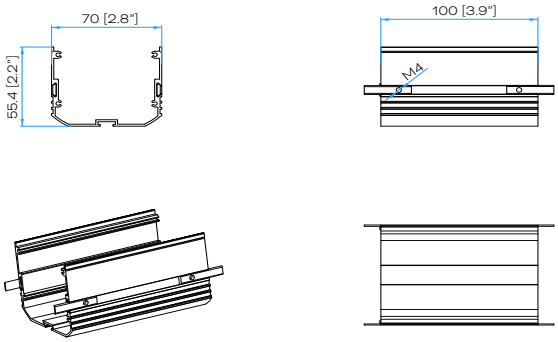
Unit: mm [inches]



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

LINEAR PLUS HO CABLE CONCEALING KIT - MIDDLE (1PC) (DA25103513455)

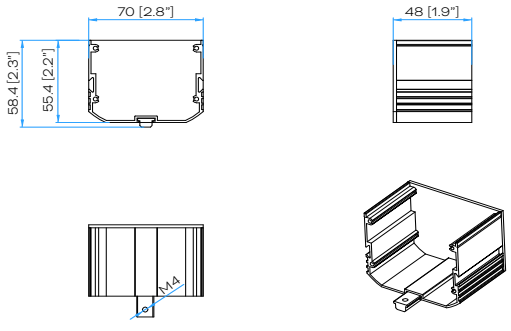
Unit: mm [inches]



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

LINEAR PLUS HO CABLE CONCEALING KIT - END (1PC) (DA25103513555)

Unit: mm [inches]



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

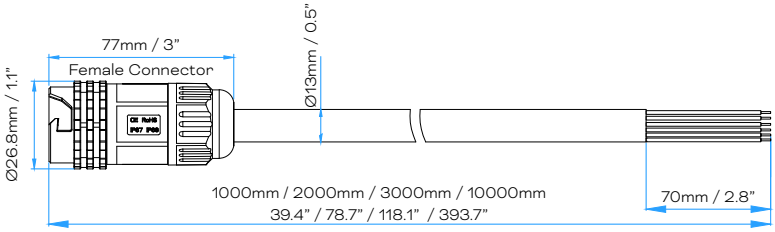
NOTE: Please see CAD files for additional dimensional data.

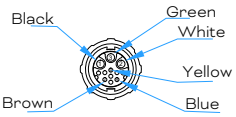
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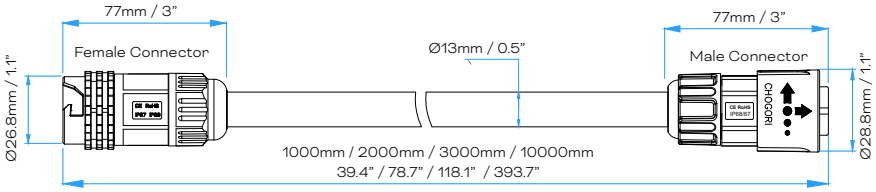
Connection Accessories (DMX/RDM)

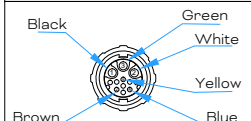
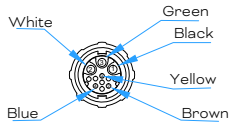
DMX Starter Cable



DMX Cable color connection	
Female connector	
	Black: Line White: Neutral Brown: DMX+ Blue: DMX- Green: Protective Earth Yellow: Not used

DMX Interconnection Cable



DMX Cable color connection	
Female connector	Male connector
	
Black: Line White: Neutral Brown: DMX+ Blue: DMX- Green: Protective Earth Yellow: Not used	

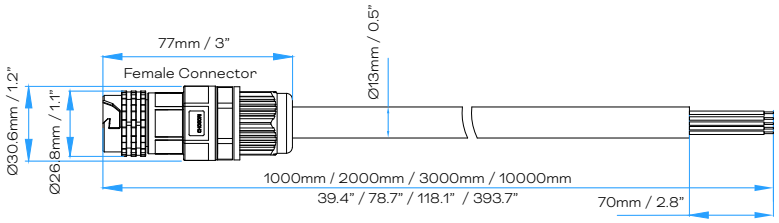
NOTE: Please see CAD files for additional dimensional data.

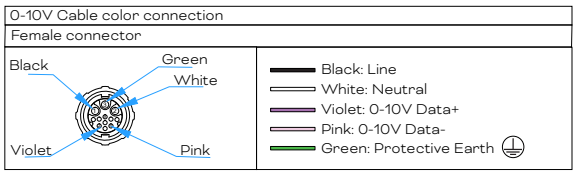
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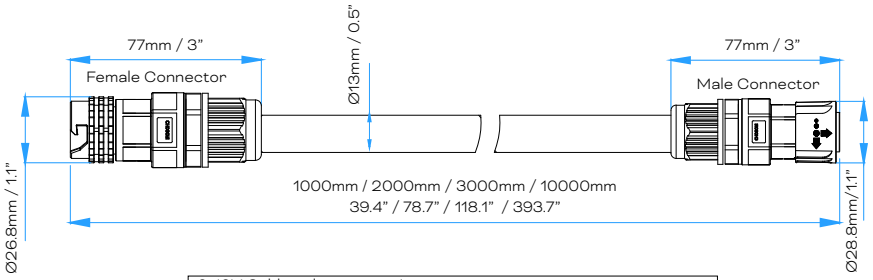
Connection Accessories (0-10V)

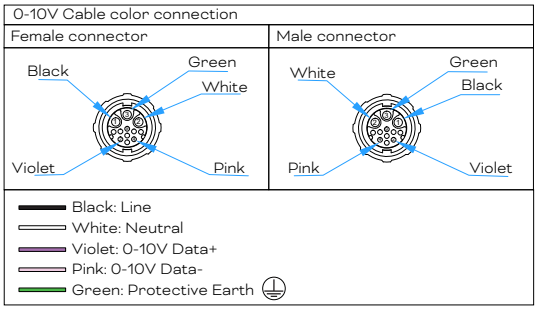
0-10V Starter Cable





0-10V Interconnection Cable





NOTE: Please see CAD files for additional dimensional data.

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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

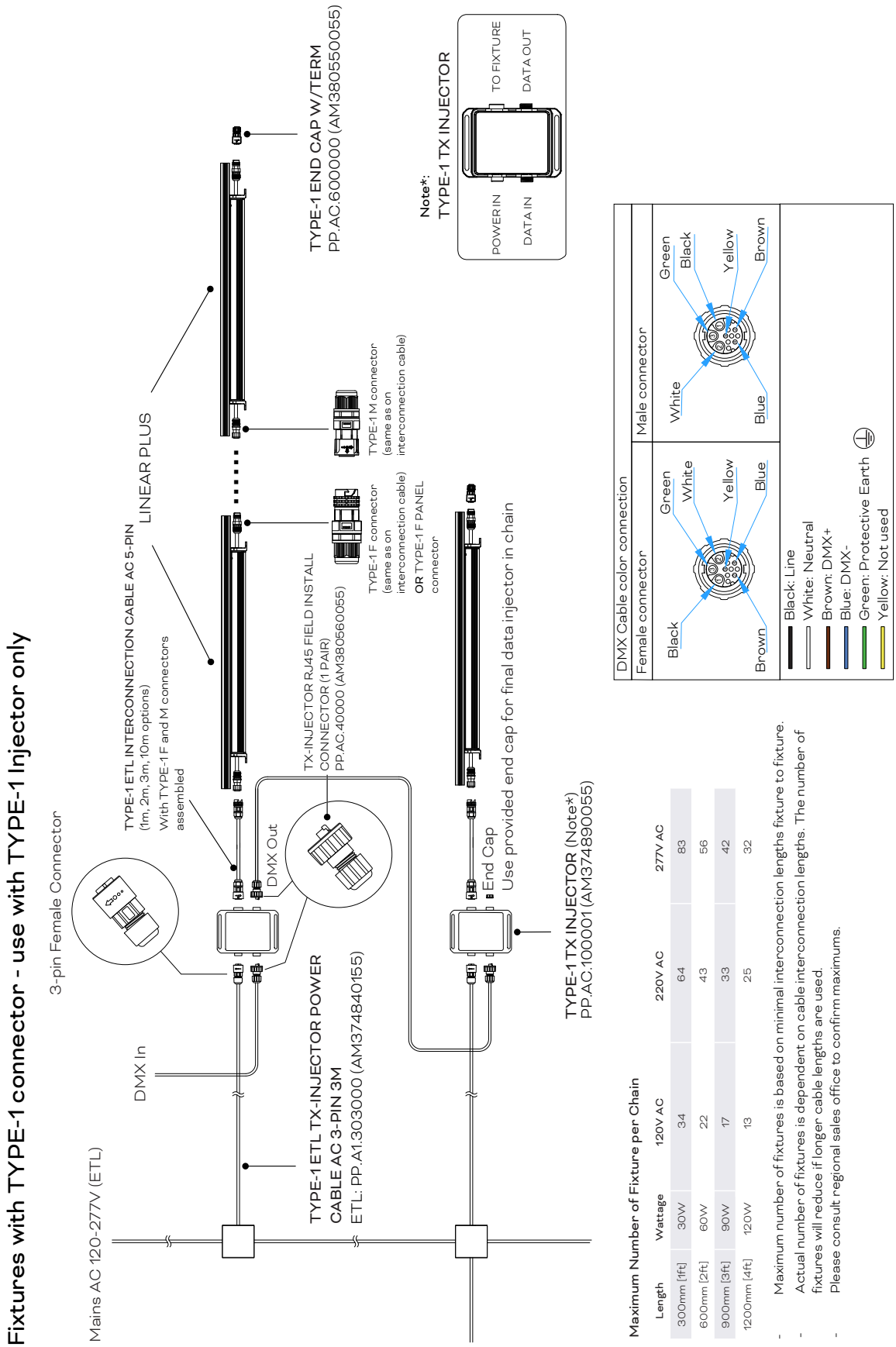
Length	Wattage	120V AC	220V AC	277V AC
300mm [1ft]	30W	34	64	83
600mm [2ft]	60W	22	43	56
900mm [3ft]	90W	17	33	42
1200mm [4ft]	120W	13	25	32

- 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.

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Wiring Diagram with TYPE-1 Injector



Maximum Number of Fixture per Chain

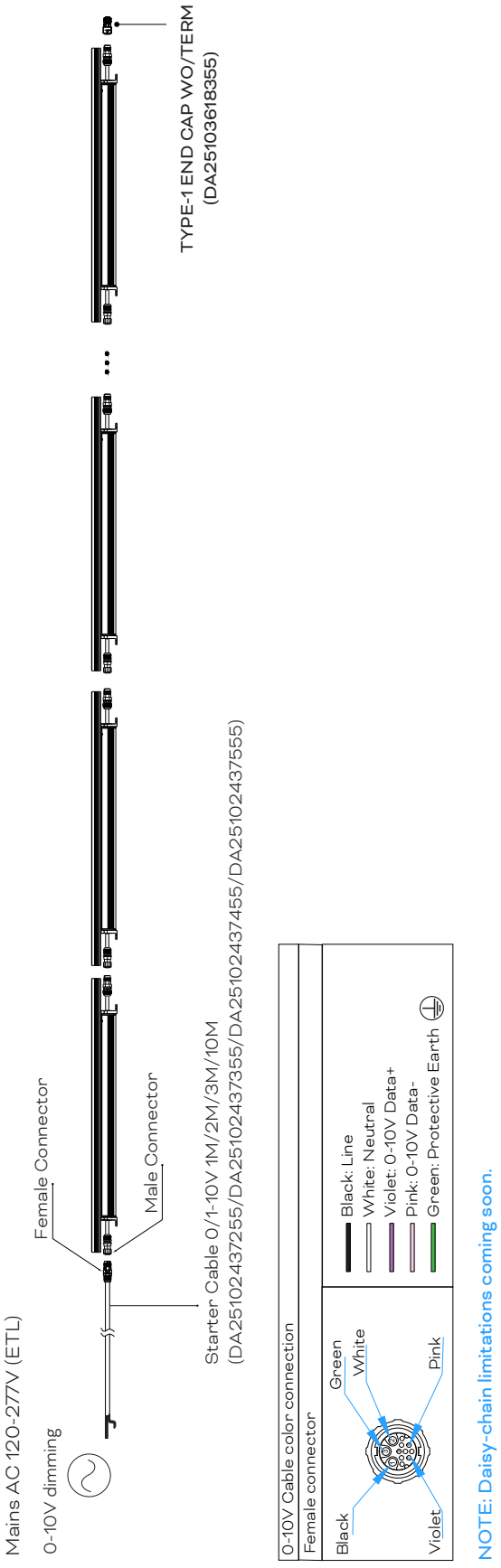
Length	Wattage	120V AC	220V AC	277V AC
300mm [1ft]	30W	34	64	83
600mm [2ft]	60W	22	43	56
900mm [3ft]	90W	17	33	42
1200mm [4ft]	120W	13	25	32

- 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.

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Wiring Diagram with Starter Cable (0-10V)



NOTE: Daisy-chain limitations coming soon.

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Linear Plus HO White

Model Number Builder

LI.	PL.	2	NN	5	N	1	N	N	N	2	N	N	N	1	00
		Housing	Power per 0.3m (1ft)	LED	CCT**	CRI	Optics/Beam	Length	Control	Approbation	Color Finish	Pixel*	Cable/ Connector		
		2 - HO	20 - 20W	5 - White	1 - 2200K	1 - Default	2 - 15°	1 - 300mm (1ft)	1 - DMX/RDM	2 - ETL	0 - TX Signature Gray	0 - N/A (for 0-10V)	1 - Type 1		
			30 - 30W		2 - 2700K		3 - 20°	2 - 600mm (2ft)	2 - 0-10V		1 - Gray	1 - 1PXL/fixture	3 - Type 1 Panel		
					3 - 3000K		5 - 30°	3 - 900mm (3ft)			2 - Black	2 - 2PXL/fixture			
					4 - 3500K		8 - 45°	4 - 1200mm (4ft)			3 - White	3 - 3PXL/fixture			
					5 - 4000K		9 - 60°					4 - 4PXL/fixture			
					6 - 5700K		C - 60°x15°								
					7 - 6500K		D - 60°x30°								

* Standard Pixel (RDM/DMX version): 300mm fixture - 1PXL, 600mm fixture - 2PXL, 900mm - 3PXL, 1200mm fixture - 4 PXL.
** CCT 6500K is on demand.

EXAMPLE	LINEAR PLUS HO 120W WHITE 2200K 15° 1200 ETL 4PXL (CC) Model Number: LI.PL.2305112412041100														
LI.	PL.	2	30	5	1	1	2	4	1	2	0	4	1	1	00

Project Model Number

LI.	PL.	2		5		1				2				1	00

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
CA.IC.CCA01000	INTERCONNECTION CABLE CC AC 5-PIN 1M 0/1-10V ETL	DA25102436455
CA.IC.CCA02000	INTERCONNECTION CABLE CC AC 5-PIN 2M 0/1-10V ETL	DA25102436555
CA.IC.CCA03000	INTERCONNECTION CABLE CC AC 5-PIN 3M 0/1-10V ETL	DA25102436655
CA.IC.CCA10000	INTERCONNECTION CABLE CC AC 5-PIN 10M 0/1-10V ETL	DA25102436755
CA.SC.CCA01000	STARTER CABLE CC AC 5-PIN 1M 0/1-10V ETL	DA25102437255
CA.SC.CCA02000	STARTER CABLE CC AC 5-PIN 2M 0/1-10V ETL	DA25102437355
CA.SC.CCA03000	STARTER CABLE CC AC 5-PIN 3M 0/1-10V ETL	DA25102437455
CA.SC.CCA10000	STARTER CABLE CC AC 5-PIN 10M 0/1-10V ETL	DA25102437555
N/A	TYPE-1 END CAP WO/TERM	DA25103618355

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Linear Plus HO White

Optical Accessories

Model No.	Description	Item Code
LIPL.LO-S.6L3000	LINEAR PLUS HO LOUVER (SYM) Quad 300	DA25103495255
LIPL.LO-S.7L3000	LINEAR PLUS HO LOUVER (SYM) Quad 600	DA25103495355
LIPL.LO-S.8L3000	LINEAR PLUS HO LOUVER (SYM) Quad 900	DA25103495455
LIPL.LO-S.9L3000	LINEAR PLUS HO LOUVER (SYM) Quad 1200	DA25103495555
LIPL.LO-A.6L3000	LINEAR PLUS HO LOUVER (ASYM) Quad 300	DA25103495655
LIPL.LO-A.7L3000	LINEAR PLUS HO LOUVER (ASYM) Quad 600	DA25103495755
LIPL.LO-A.8L3000	LINEAR PLUS HO LOUVER (ASYM) Quad 900	DA25103495855
LIPL.LO-A.9L3000	LINEAR PLUS HO LOUVER (ASYM) Quad 1200	DA25103495955
LIPL.LO-P.6L3000	LINEAR PLUS HO LOUVER PLATE Quad 300	DA25103496055
LIPL.LO-P.7L3000	LINEAR PLUS HO LOUVER PLATE Quad 600	DA25103496155
LIPL.LO-P.8L3000	LINEAR PLUS HO LOUVER PLATE Quad 900	DA25103496255
LIPL.LO-P.9L3000	LINEAR PLUS HO LOUVER PLATE Quad 1200	DA25103496355

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 HO CABLE CONCEALING KIT - MIDDLE (1PC)	DA25103513455
N/A	LINEAR PLUS HO CABLE CONCEALING KIT - END (1PC)	DA25103513555
N/A	LINEAR PLUS HO CABLE CONCEALING KIT - FRONT (1PC)	DA26103671355

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