TRAXON Plus+

Linear Plus HO Dynamic White

Project: _____

Type: _____



IP66 COAST DMX/RDM ANSI 3G IK08

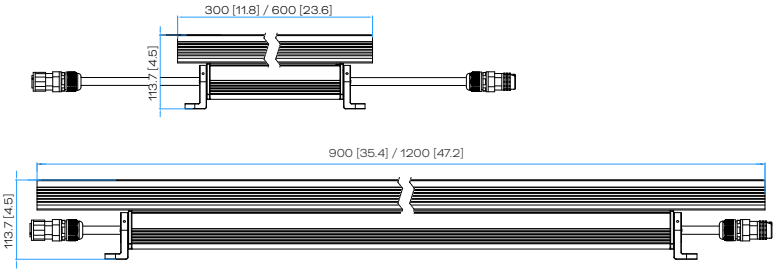
The Traxon Linear Plus is an AC powered, high-brightness outdoor luminaire that seamlessly integrates into any architectural, residential, or commercial setting. Featuring a choice of DMX/RDM and 0-10V control, RGBW (Quad and Discrete), DW and White color options and intelligent control personalities,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

Features

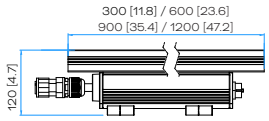
- DMX / RDM control
- Easy installation and maintenance
- Dynamic Boost
- Assortment of optical and installation accessories

Dimensions

Unit: mm [inches]



Panel Mount Output Version
Unit: mm [inches]



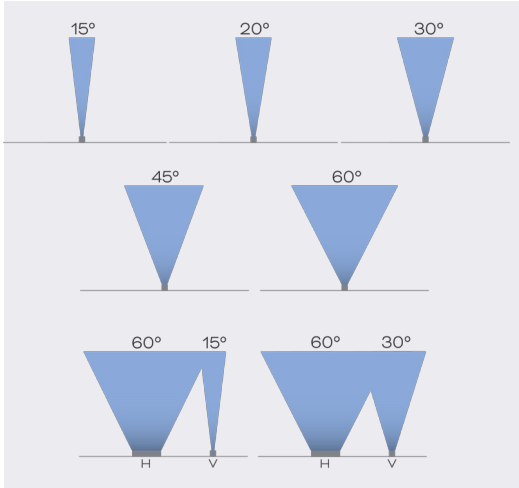
Technologies

- Dynamic Boost
- Auto-Addressing / Manual Addressing

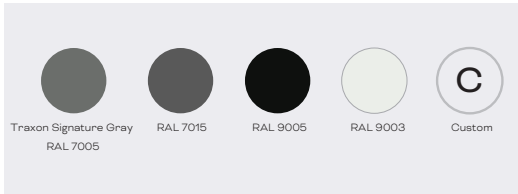
Color Options



Beam Angles



Finish



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Linear Plus HO Dynamic White

Specifications

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	5 WW + 5 CW (1 WW + 1 CW are clustered under one optic)	10 WW + 10 CW (1 WW + 1 CW are clustered under one optic)	15 WW + 15 CW (1 WW + 1 CW are clustered under one optic	20 WW + 20 CW (1 WW + 1 CW are clustered under one optic
Beam Angle	10° (on demand), 15°, 20°, 30°, 45°, 60°, 60° x 15°, 60 ° x 30°			
Luminous Flux (White Balance Mode)	30W: 2214 lm (15° DW Full On)	60W: 4542 lm (15° DW Full On)	90W: 7002 lm (15° DW Full On)	120W: 9912 lm (15° DW Full On)
Efficacy (White Balance Mode)	30W: 74 lm/W (15° DW Full On)	60W: 76 lm/W (15° DW Full On)	90W: 78 lm/W (15° DW Full On)	120W: 83 lm/W (15° DW Full On)
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 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	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 compiles with LM-79-08 standard.
Lumen maintenance is calculated based on LM-80 compliant measurement.

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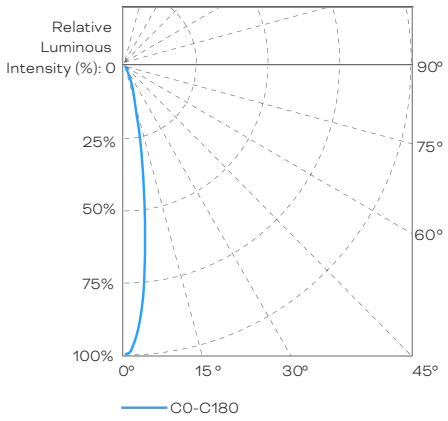
Linear Plus HO Dynamic White

Photometrics

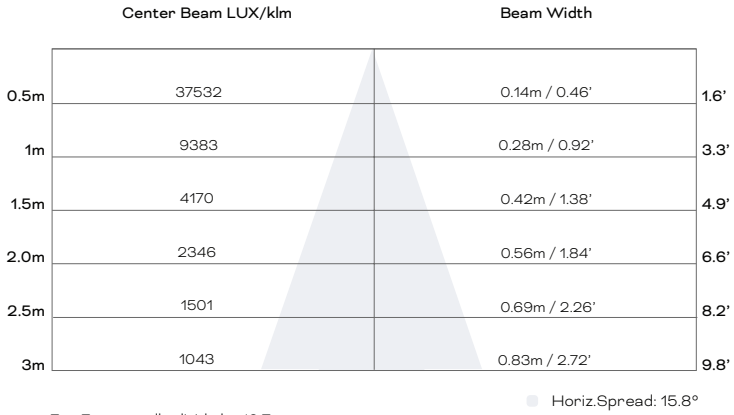
Source Specifications

Length Option	300mm [1ft]	600mm [2ft]	900mm [3ft]	1200mm [4ft]
Source	DW 5+5 pcs	DW 10+10 pcs	DW 15+15 pcs	DW 20+20 pcs
Optics	15°			

Candela Distribution



Illuminance at a Distance



For Foot-candle divide by 10.7

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

Light Output - Dynamic Boost Mode

		Color	Luminous Flux (lm)	Center Intensity (cd)	Efficacy (lm/W)
300mm [1ft]	20W	DW (Full On)	1132	10421	57
	30W		2040	18788	68
600mm [2ft]	40W	DW (Full On)	2330	21456	58
	60W		4200	38682	70
900mm [3ft]	60W	DW (Full On)	3569	32873	59
	90W		6435	59266	72
1200mm [4ft]	80W	DW (Full On)	5039	46405	63
	120W		9084	83664	76

Light Output - White Balance Mode

		Color	Luminous Flux (lm)	Center Intensity (cd)	Efficacy (lm/W)
300mm [1ft]	20W	DW (Full On)	1228	11310	61
	30W		2214	20391	74
600mm [2ft]	40W	DW (Full On)	2519	23203	63
	60W		4542	41832	76
900mm [3ft]	60W	DW (Full On)	3884	35770	65
	90W		7002	64488	78
1200mm [4ft]	80W	DW (Full On)	5498	50635	69
	120W		9912	91290	83

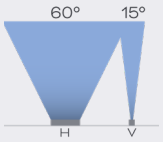
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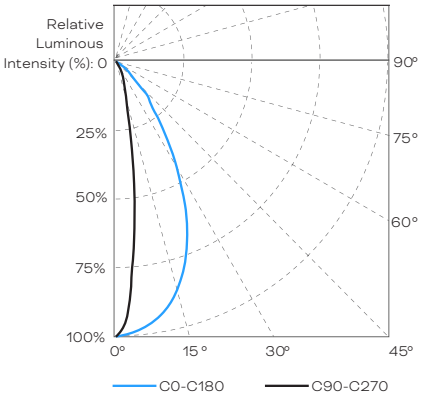
Linear Plus HO Dynamic White

Photometrics

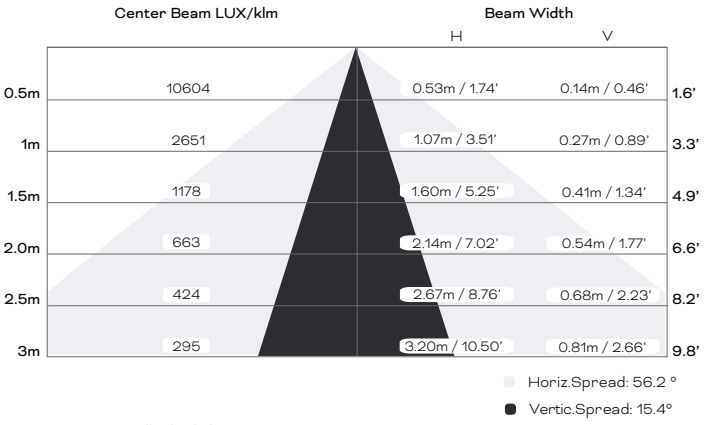
Source Specifications

Length Option	300mm [1ft]	600mm [2ft]	900mm [3ft]	1200mm [4ft]
Source	DW 5+5 pcs	DW 10+10 pcs	DW 15+15 pcs	DW 20+20 pcs
Optics	60° x 15° 			

Candela Distribution



Illuminance at a Distance



For Foot-candle divide by 10.7

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

Light Output - Dynamic Boost Mode

		Color	Luminous Flux (lm)	Center Intensity (cd)	Efficacy (lm/W)
300mm [1ft]	20W	DW (Full On)	1098	2837	55
	30W		1979	5115	66
600mm [2ft]	40W	DW (Full On)	2260	5841	56
	60W		4074	10530	68
900mm [3ft]	60W	DW (Full On)	3462	8949	58
	90W		6242	16133	69
1200mm [4ft]	80W	DW (Full On)	4887	12632	61
	120W		8811	22775	73

Light Output - White Balance Mode

		Color	Luminous Flux (lm)	Center Intensity (cd)	Efficacy (lm/W)
300mm [1ft]	20W	DW (Full On)	1191	3079	60
	30W		2148	5551	72
600mm [2ft]	40W	DW (Full On)	2444	6316	61
	60W		4406	11387	73
900mm [3ft]	60W	DW (Full On)	3767	9737	63
	90W		6792	17555	75
1200mm [4ft]	80W	DW (Full On)	5333	13784	67
	120W		9615	24851	80

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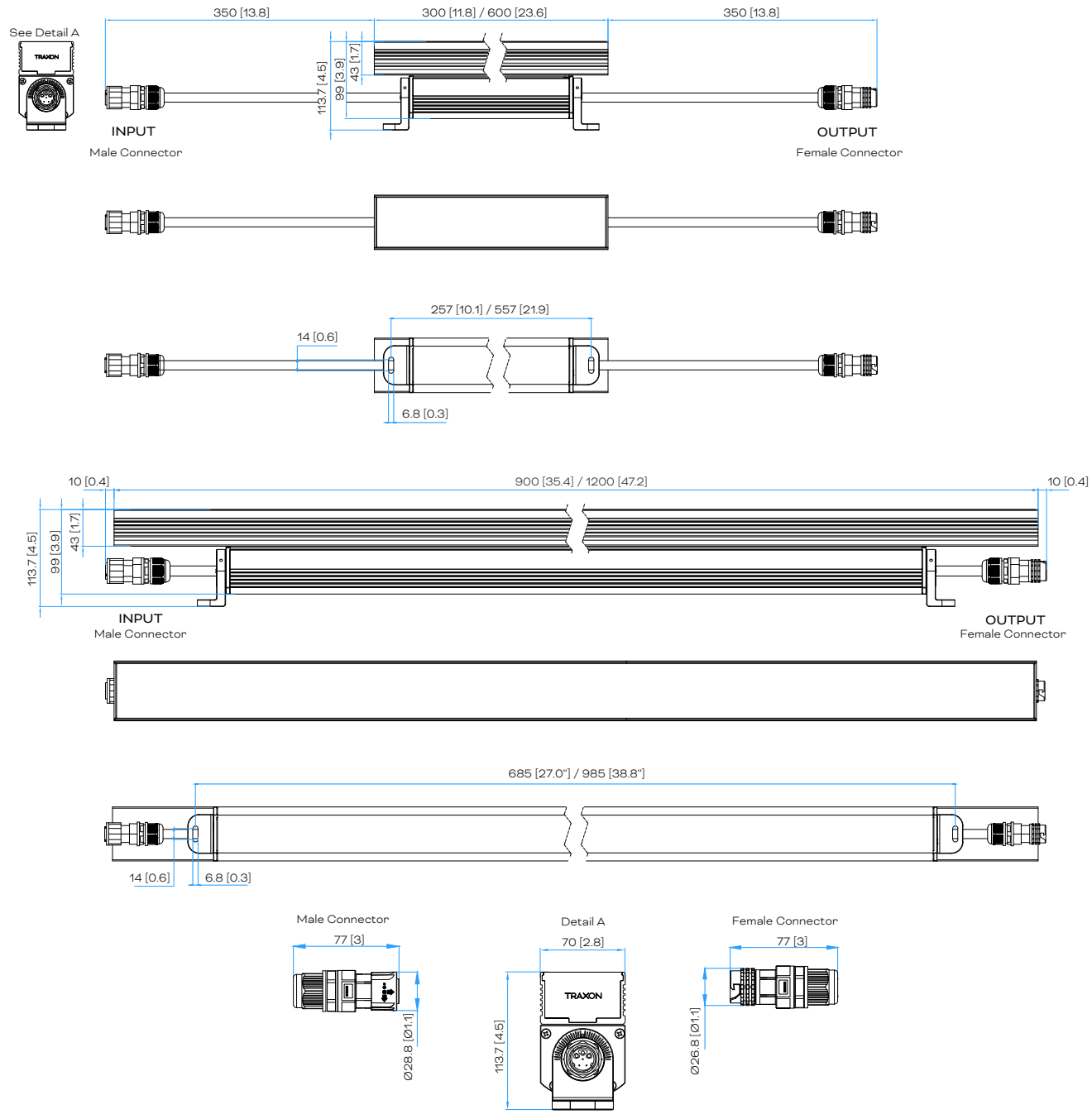
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Linear Plus HO Dynamic White

Dimensions

Fixture

Unit: mm [inches]



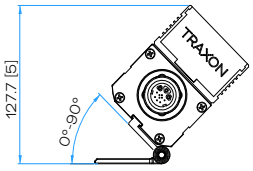
NOTE: Please see CAD files for additional dimensional data.

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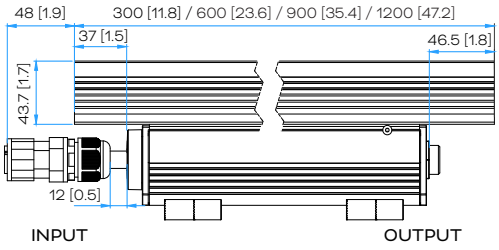
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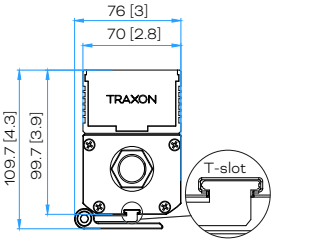
Panel Mount Option

Unit: mm [inches]

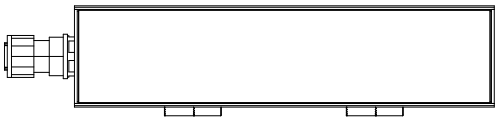


Mounting Bracket can be removed and rotated.

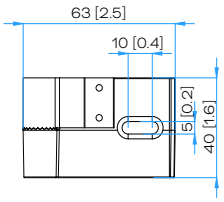


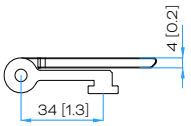


Mounting bracket location is adjustable and can be slid along the length of the T-slot of the fixture.

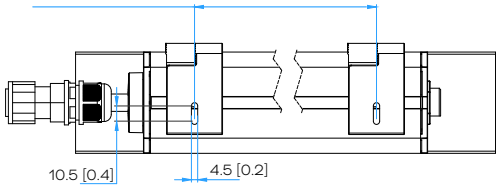


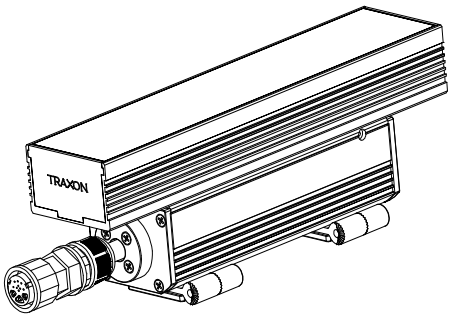
Panel Mount Bracket Dimension





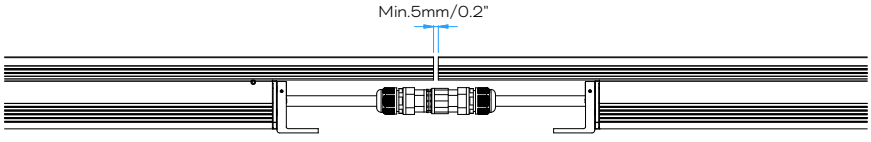
Stated min./max dimensions refer to spacing between two brackets.
300mm [1ft] Min: 80 [3.1] / Max: 150 [5.9]
600mm [2ft] Min: 100 [3.9] / Max: 450 [17.7]
900mm [3ft] Min: 200 [7.9] / Max: 750 [29.5]
1200mm [4ft] Min: 300[11.8] / Max: 1050 [41.3]



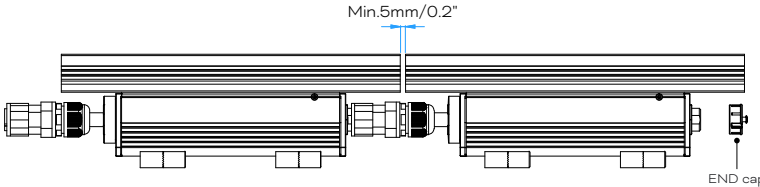


Minimum Clearance

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.

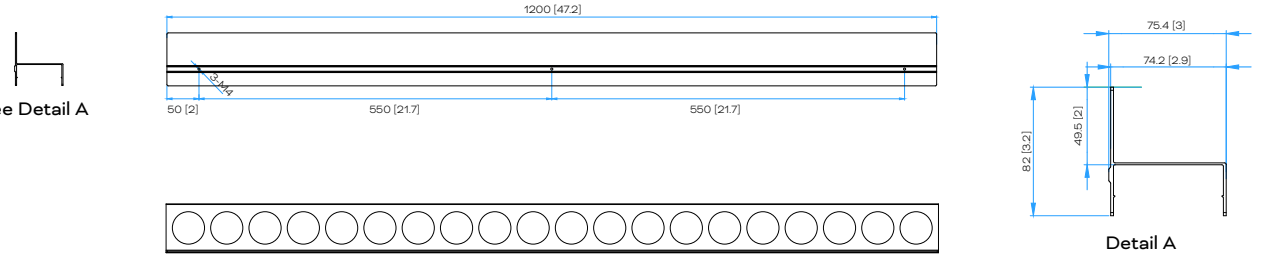
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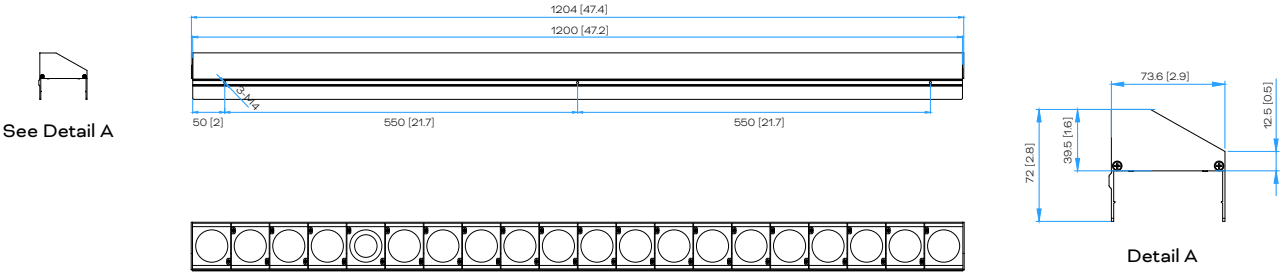
Optical Accessories

Unit: mm [inches]

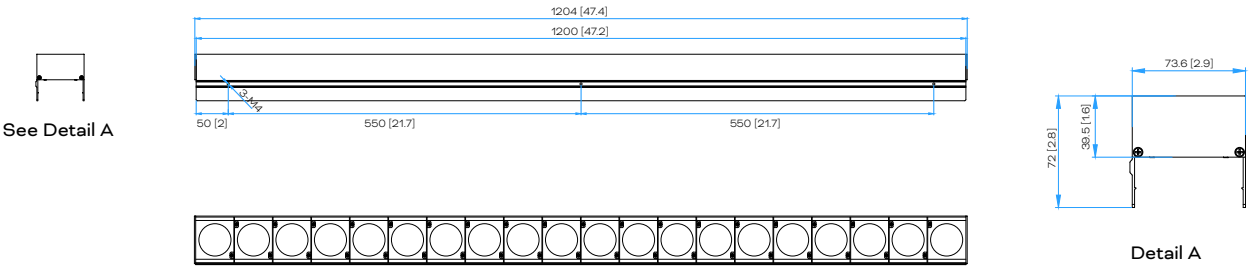
LINEAR PLUS HO LOUVER PLATE Quad



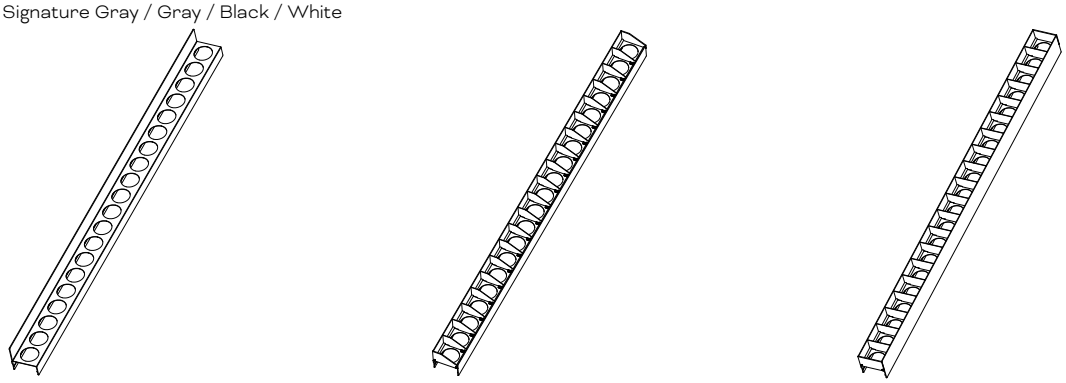
LINEAR PLUS HO LOUVER (ASYM) Quad



LINEAR PLUS HO LOUVER (SYM) Quad



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.

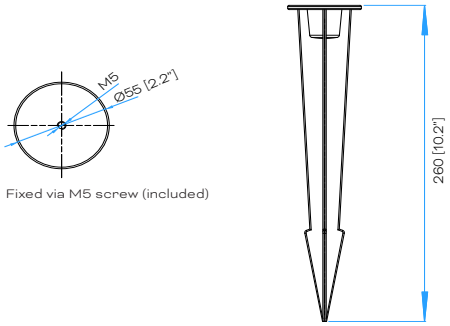
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Mounting Accessories

LINEAR PLUS STAKE KIT (1 PC) (DA25103496855)

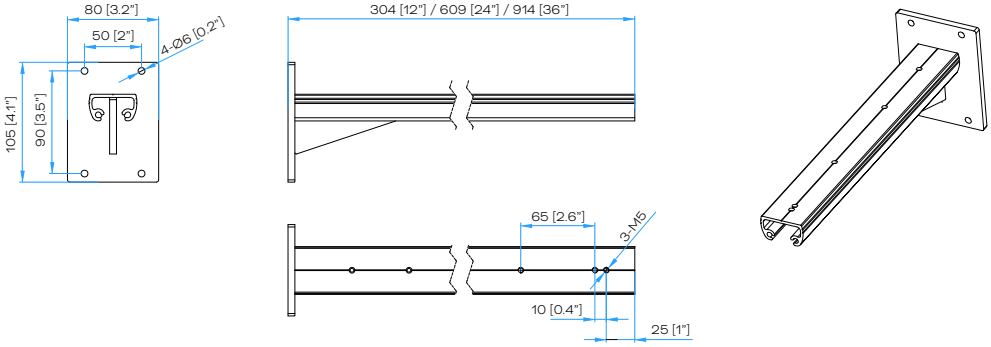
Unit: mm [inches]



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

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

Unit: mm [inches]

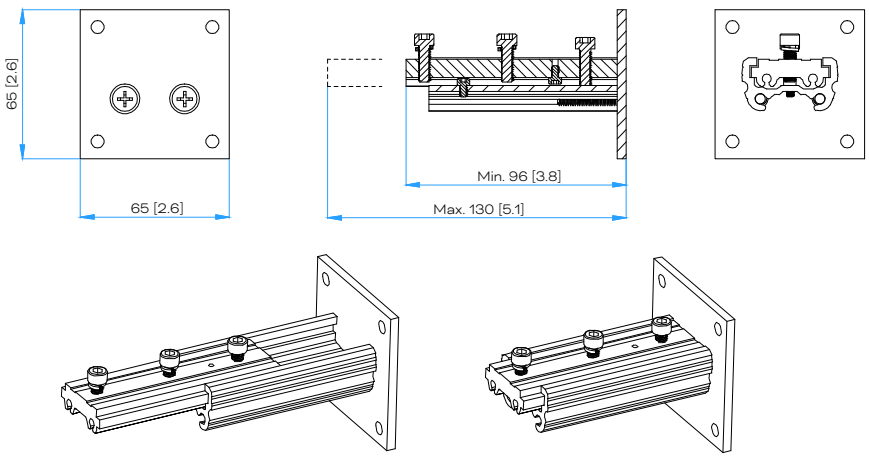


Color Finish: TX Signature Gray / Gray / Black / White

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.

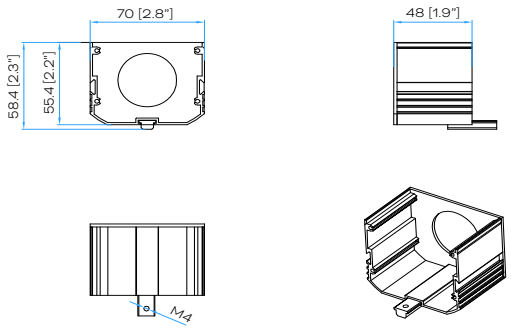
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Mounting Accessories

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

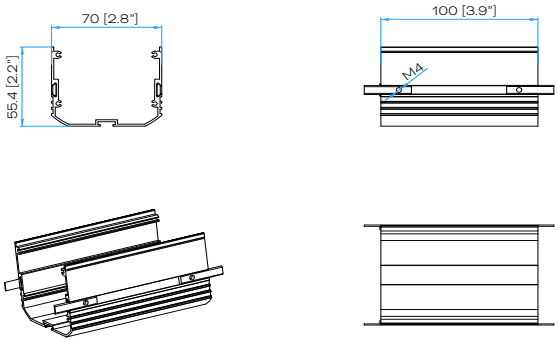
Unit: mm [inches]



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

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

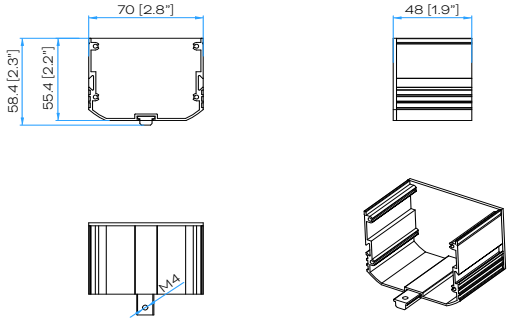
Unit: mm [inches]



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

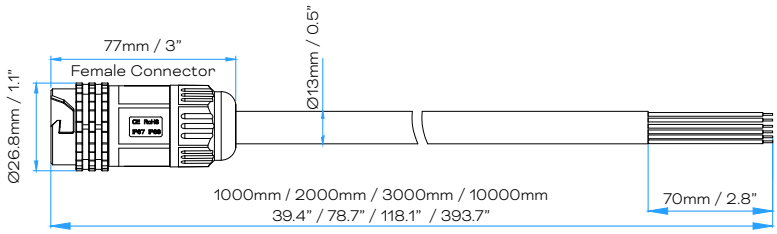
NOTE: Please see CAD files for additional dimensional data.

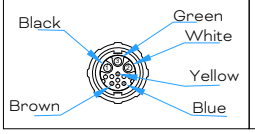
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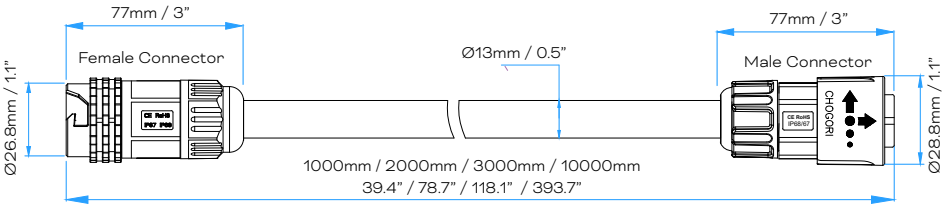
Connection Accessories

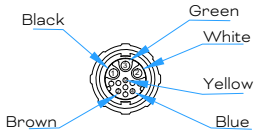
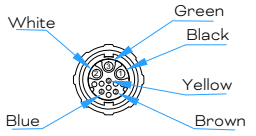
DMX Starter Cable



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

DMX Interconnection Cable



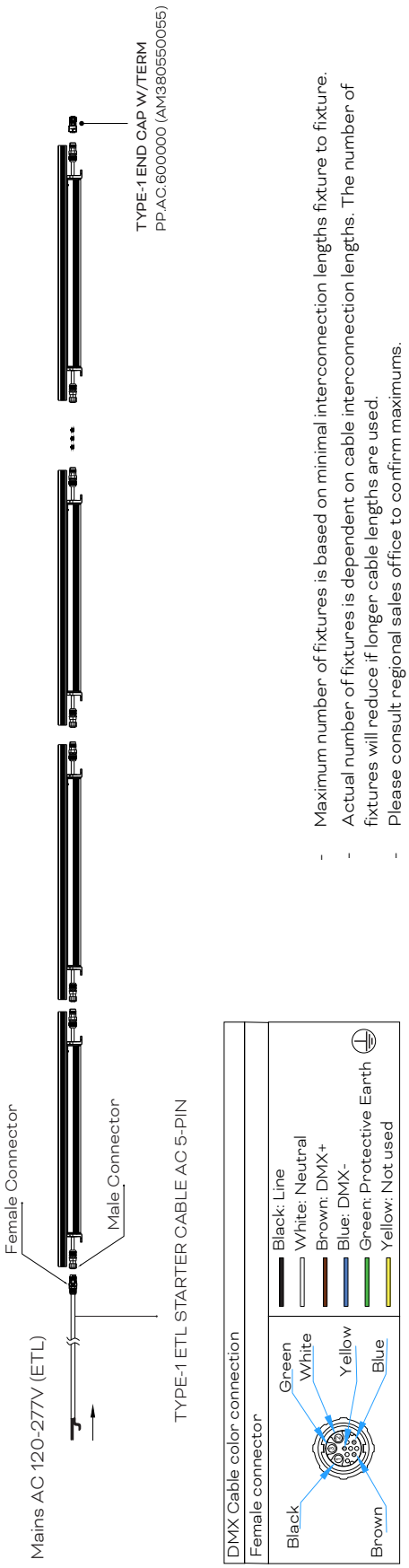
DMX Cable color connection	
Female connector	Male connector
	
Black: Line White: Neutral Brown: DMX+ Blue: DMX- Green: Protective Earth Yellow: Not used	

NOTE: Please see CAD files for additional dimensional data.

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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

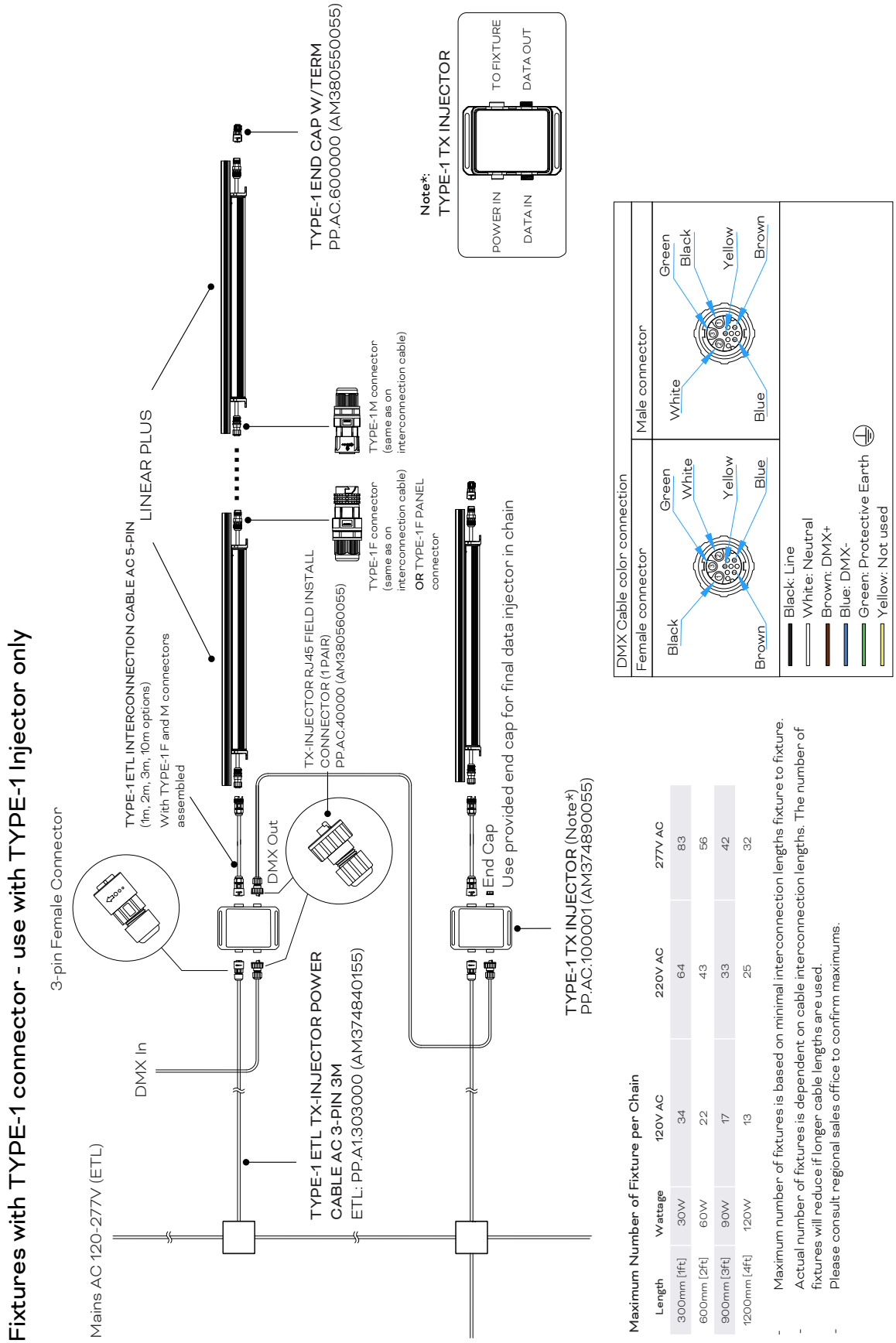
Length	Wattage	120V AC	220V AC	277V AC
300mm [1ft]	30W	34	64	83
600mm [2ft]	60W	22	43	56
900mm [3ft]	90W	17	33	42
1200mm [4ft]	120W	13	25	32

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Wiring Diagram with TYPE-1 Injector



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Linear Plus HO Dynamic White

Model Number Builder

LI.	PL.	2	NN	N	8	1	N	N	1	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	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		
			30 - 30W	7 - DW (Clustered)			2 - 15°	2 - 600mm (2ft)			1 - Gray	2 - 2PXL/fixture	3 - Type 1 Panel		
							3 - 20°	3 - 900mm (3ft)			2 - Black	3 - 3PXL/fixture			
							5 - 30°	4 - 1200mm (4ft)			3 - White	4 - 4PXL/fixture			
							8 - 45°								
							9 - 60°								
							C - 60°x15°								
							D - 60°x30°								

* 10° is on demand.
** Standard Pixel: 300mm fixture - 1PXL, 600mm fixture - 2PXL, 900mm - 3PXL, 1200mm fixture - 4 PXL.

EXAMPLE LINEAR PLUS HO 120W DW(D) 2700K 15° 1200 ETL 4PXL (CC)
Model Number: LI.PL.2306812422041100

LI.	PL.	2	30	6	8	1	2	4	1	2	0	4	1	1	00

Project Model Number

LI.	PL.	2			8	1			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

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Linear Plus HO Dynamic 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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