



TRAXON

Linear Go Midi RGBW



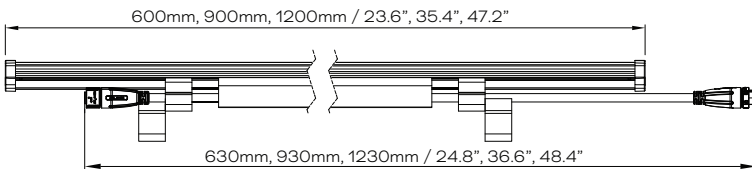
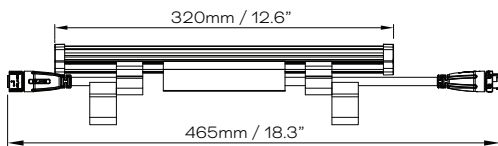
The Traxon Linear Go Midi is a DC line powered exterior luminaire used to distinguish facades, walls, and architectural landmarks with a powerful, even color wash effect. Linear Go's high-value design features efficient electrical and optical systems, making it ideal for budget-conscious projects. This product is intended for use in high-quality colored light applications.

Features

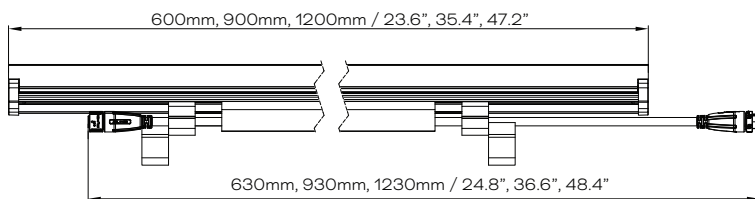
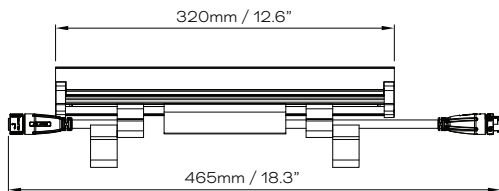
- DMX control
- Easy installation and maintenance

Dimensions

Without Glare Shield



With Glare Shield



TRAXON Go⁺

Project: _____

Type: _____



IP66



COAST



DMX 512



ANSI 3G



IK07

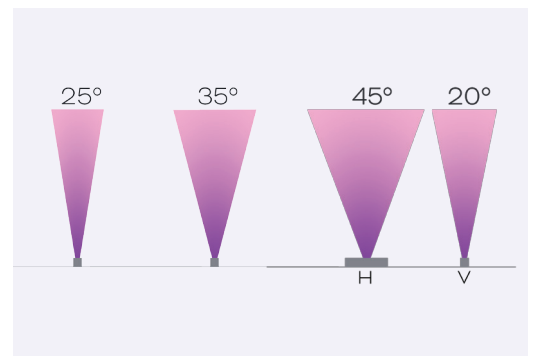
Technologies

- Manual-Addressing with TX Addresser

Color Options



Beam Angle



Finish



Traxon Signature Gray: RAL7005

Product Specifications

Linear Go Midi RGBW				
Model	320mm / 12.6"	600mm / 23.6"	900mm / 35.4"	1200mm / 47.2"
Light Source	RGBW 4-in1			
Color Range	RGBW (W=4000K)			
LED Quantity	8pcs	16pcs	24pcs	32pcs
Luminous Flux	400 lm (35°)	800 lm (35°)	1200 lm (35°)	1600 lm (35°)
Efficacy	50 lm/W (full on 35°)			
Beam Angles	25°, 35°, 45° x 20°			
Cover Lens	Glass			
Housing	Aluminum			
Housing Finish Options	Traxon Signature Gray (RAL7005)			
Adjustment Options	-90° to +90°			
Mounting	Mounting Bracket			
Dimensions (Without Glare Shield) (L x W x H, Mounting Bracket included)	320mm x 38mm x 76mm 12.6" x 1.5" x 3.0"	600mm x 38mm x 76mm 23.6" x 1.5" x 3.0"	900mm x 38mm x 76mm 35.4" x 1.5" x 3.0"	1200mm x 38mm x 76mm 47.2" x 1.5" x 3.0"
Dimensions (With Glare Shield) (L x W x H, Mounting Bracket included)	320mm x 38mm x 94.6mm 12.6" x 1.5" x 3.7"	600mm x 38mm x 94.6mm 23.6" x 1.5" x 3.7"	900mm x 38mm x 94.6mm 35.4" x 1.5" x 3.7"	1200mm x 38mm x 94.6mm 47.2" x 1.5" x 3.7"
Weight (Without Glare Shield)	0.54kg / 1.19lbs	0.94kg / 2.07lbs	1.39kg / 3.06lbs	1.66kg / 3.66lbs
Weight (With Glare Shield)	0.59kg / 1.3lbs	1.02kg / 2.25lbs	1.52kg / 3.35lbs	1.83kg / 4.03lbs
Regulatory Listing & Safety Approval	CE, UKCA, cETLus, FCC, ANSI C136.31-3G			
Operating Temperature	-30°C to +50°C (-22°F to +122°F)			
Minimum Starting Temperature	-20°C (-4°F)			
Storage Temperature	-40°C to +80°C (-40°F to +176°F)			
Environment	Outdoor, IP66, IK07, Coastal Environment (ASTM B117-16)			
Humidity	85%, non-condensing			

Electrical Specifications

Input Voltage	24V DC			
Power Consumption	8W	16W	24W	32W
Lumen Maintenance	L70 50000hrs @ 25°C			

System Specifications

Power Supply	CE market: LED Engine 24V ETL market: LED Engine 24V (Class 2)
Control	DMX 512
Addressing Options	Manual-Addressing with TX Addresser
Chipset	MR DMX05

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.

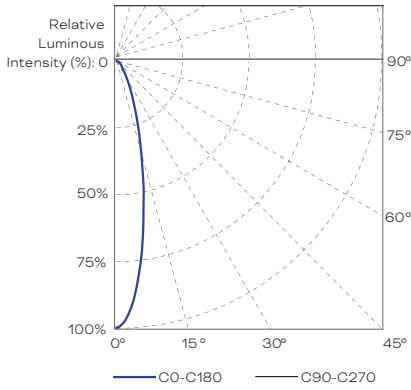
As with all electronic devices, LED output degrades over time - a term called lumen depreciation. This also explains why it is nearly impossible to expect photometric performances of two LED products with different service life spans to be the same. The rate of LED degrade is a complex function of many 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

Source	RGBW 4-in1
Optics	25°

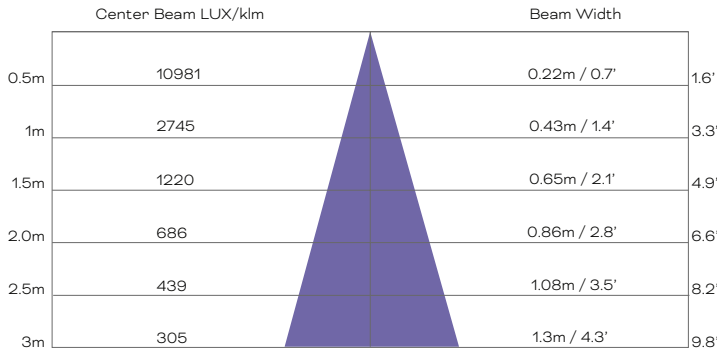
Candela Distribution



Light Output

	Color	Luminous Flux (lm)	Center Intensity (cd)	Efficacy (lm/W)
320mm / 12.6"	RGBW (full-on)	384	1067	48
	RGB	243	675	41
	Red	44	123	30
	Green	82	227	69
	Blue	28	77	4
	White	140	390	55
600mm / 23.6"	RGBW (full-on)	768	2134	48
	RGB	486	1349	41
	Red	88	245	30
	Green	164	454	69
	Blue	55	154	4
	White	281	780	55
900mm / 35.4"	RGBW (full-on)	1152	3200	48
	RGB	729	2024	41
	Red	132	368	30
	Green	245	681	69
	Blue	83	231	4
	White	421	1170	55
1200mm / 47.2"	RGBW (full-on)	1536	4267	48
	RGB	972	2699	41
	Red	177	491	30
	Green	327	908	69
	Blue	111	308	4
	White	561	1560	55

Illuminance at a Distance



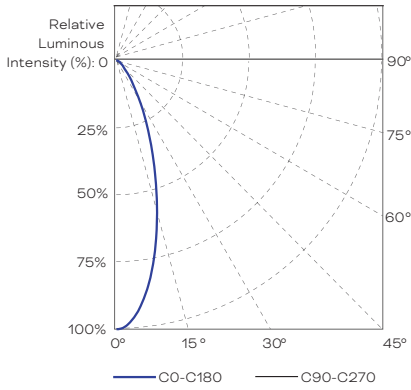
For fc divide by 10.7 ■ Horiz.Spread: 24.4°
 IES and LDT files are available for download from the Traxon website.

Color	Distance	320mm / 12.6"		600mm / 23.6"		900mm / 35.4"		1200mm / 47.2"	
		Illuminance		Illuminance		Illuminance		Illuminance	
		LUX	FC	LUX	FC	LUX	FC	LUX	FC
RGBW (full-on)	0.5m / 1.6'	4217	394	8433	788	12650	1182	16867	1576
	1m / 3.3'	1054	99	2108	197	3162	296	4216	394
	1.5m / 4.9'	468	44	937	88	1405	131	1874	175
	2m / 6.6'	263	25	527	49	790	74	1054	99
	2.5m / 8.2'	169	16	337	31	506	47	674	63
	3m / 9.8'	117	11	234	22	351	33	468	44
RGB	0.5m / 1.6'	2668	249	5337	499	8005	748	10674	998
	1m / 3.3'	667	62	1334	125	2001	187	2668	249
	1.5m / 4.9'	296	28	593	55	889	83	1186	111
	2m / 6.6'	167	16	333	31	500	47	667	62
	2.5m / 8.2'	107	10	213	20	320	30	427	40
	3m / 9.8'	74	7	148	14	222	21	296	28
Red	0.5m / 1.6'	483	45	966	90	1449	135	1944	182
	1m / 3.3'	121	11	242	23	362	34	486	45
	1.5m / 4.9'	54	5	107	10	161	15	216	20
	2m / 6.6'	30	3	60	6	91	9	121	11
	2.5m / 8.2'	19	2	39	4	58	5	78	7
	3m / 9.8'	13	1	27	3	40	4	54	5
Green	0.5m / 1.6'	900	84	1801	168	2690	251	3591	336
	1m / 3.3'	225	21	450	42	673	63	898	84
	1.5m / 4.9'	100	9	200	19	299	28	399	37
	2m / 6.6'	56	5	113	11	168	16	224	21
	2.5m / 8.2'	36	3	72	7	108	10	144	13
	3m / 9.8'	25	2	50	5	75	7	100	9
Blue	0.5m / 1.6'	307	29	604	56	911	85	1219	114
	1m / 3.3'	77	7	151	14	228	21	305	29
	1.5m / 4.9'	34	3	67	6	101	9	135	13
	2m / 6.6'	19	2	38	4	57	5	76	7
	2.5m / 8.2'	12	1	24	2	36	3	49	5
	3m / 9.8'	9	0.8	17	1.6	25	2	34	3
White	0.5m / 1.6'	1537	144	3086	289	4623	432	6160	576
	1m / 3.3'	384	36	771	72	1156	108	1540	144
	1.5m / 4.9'	171	16	343	32	514	48	684	64
	2m / 6.6'	96	9	193	18	289	27	385	36
	2.5m / 8.2'	61	6	123	11	185	17	246	23
	3m / 9.8'	43	4	86	8	128	12	171	16

Source Specifications

Source	RGBW 4-in1
Optics	35°

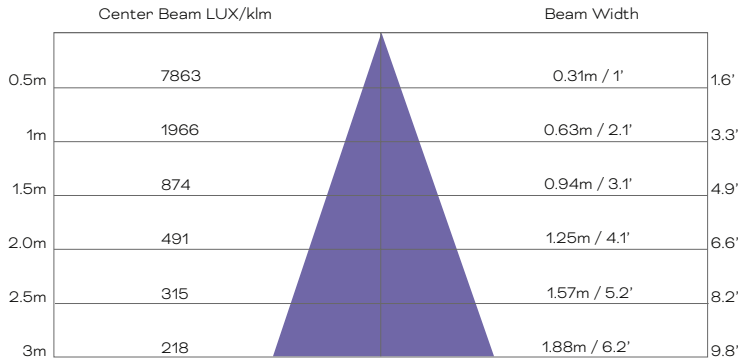
Candela Distribution



Light Output

	Color	Luminous Flux (lm)	Center Intensity (cd)	Efficacy (lm/W)
320mm / 12.6"	RGBW (full-on)	400	792	50
	RGB	253	501	43
	Red	46	91	31
	Green	85	169	72
	Blue	29	57	4
	White	146	290	58
600mm / 23.6"	RGBW (full-on)	800	1584	50
	RGB	506	1002	43
	Red	92	182	31
	Green	170	337	72
	Blue	58	114	4
	White	292	579	58
900mm / 35.4"	RGBW (full-on)	1200	2376	50
	RGB	759	1503	43
	Red	138	273	31
	Green	255	506	72
	Blue	87	171	4
	White	439	869	58
1200mm / 47.2"	RGBW (full-on)	1600	3169	50
	RGB	1012	2004	43
	Red	184	364	31
	Green	341	675	72
	Blue	115	228	4
	White	585	1158	58

Illuminance at a Distance



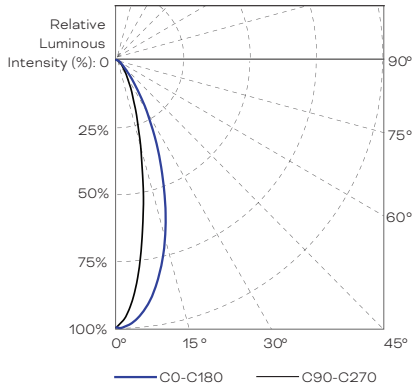
For fc divide by 10.7 ● Horiz.Spread: 34.8°
 IES and LDT files are available for download from the Traxon website.

Color	Distance	320mm / 12.6"		600mm / 23.6"		900mm / 35.4"		1200mm / 47.2"	
		Illuminance		Illuminance		Illuminance		Illuminance	
		LUX	FC	LUX	FC	LUX	FC	LUX	FC
RGBW (full-on)	0.5m / 1.6'	3145	294	6290	588	9436	882	12581	1176
	1m / 3.3'	786	73	1573	147	2359	220	3146	294
	1.5m / 4.9'	350	33	699	65	1049	98	1398	131
	2m / 6.6'	196	18	393	37	589	55	786	73
	2.5m / 8.2'	126	12	252	24	378	35	504	47
	3m / 9.8'	87	8	174	16	262	24	349	33
RGB	0.5m / 1.6'	1989	186	3979	372	5968	558	7957	744
	1m / 3.3'	497	46	995	93	1492	139	1990	186
	1.5m / 4.9'	221	21	442	41	663	62	884	83
	2m / 6.6'	124	12	248	23	373	35	497	46
	2.5m / 8.2'	80	7	159	15	239	22	319	30
	3m / 9.8'	55	5	110	10	165	15	221	21
Red	0.5m / 1.6'	362	34	723	68	1085	101	1447	135
	1m / 3.3'	90	8	181	17	271	25	362	34
	1.5m / 4.9'	40	4	80	7	121	11	161	15
	2m / 6.6'	23	2	45	4	68	6	90	8
	2.5m / 8.2'	14	1	29	3	43	4	58	5
	3m / 9.8'	10	0.9	20	2	30	3	40	4
Green	0.5m / 1.6'	668	62	1337	125	2005	187	2681	251
	1m / 3.3'	167	16	334	31	501	47	670	63
	1.5m / 4.9'	74	7	149	14	223	21	298	28
	2m / 6.6'	42	4	83	8	125	12	167	16
	2.5m / 8.2'	27	3	54	5	80	7	107	10
	3m / 9.8'	19	2	37	3	56	5	74	7
Blue	0.5m / 1.6'	228	21	456	43	684	64	904	84
	1m / 3.3'	57	5	114	11	171	16	226	21
	1.5m / 4.9'	25	2	51	5	76	7	101	9
	2m / 6.6'	14	1	28	3	43	4	56	5
	2.5m / 8.2'	9	0.8	18	2	27	3	36	3
	3m / 9.8'	6	0.6	13	1	19	2	25	2
White	0.5m / 1.6'	1148	107	2296	215	3452	323	4600	430
	1m / 3.3'	287	27	574	54	863	81	1150	107
	1.5m / 4.9'	128	12	255	24	384	36	511	48
	2m / 6.6'	72	7	143	13	216	20	287	27
	2.5m / 8.2'	46	4	92	9	138	13	184	17
	3m / 9.8'	32	3	64	6	96	9	128	12

Source Specifications

Source	RGBW 4-in1
Optics	45° x 20°

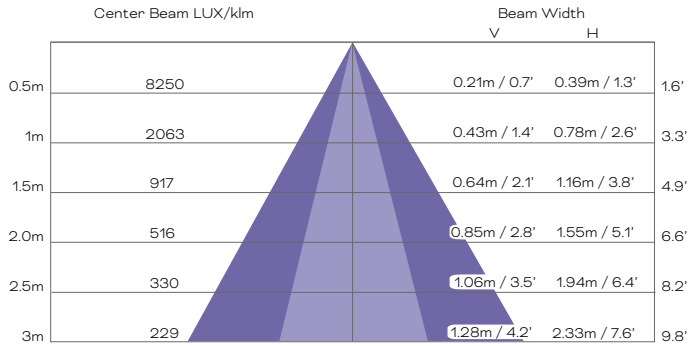
Candela Distribution



Light Output

	Color	Luminous Flux (lm)	Center Intensity (cd)	Efficacy (lm/W)
320mm / 12.6"	RGBW (full-on)	384	801	48
	RGB	243	507	41
	Red	44	92	30
	Green	82	171	69
	Blue	28	58	4
	White	140	293	55
600mm / 23.6"	RGBW (full-on)	768	1603	48
	RGB	486	1014	41
	Red	88	184	30
	Green	164	341	69
	Blue	55	116	4
	White	281	586	55
900mm / 35.4"	RGBW (full-on)	1152	2404	48
	RGB	729	1520	41
	Red	132	276	30
	Green	245	512	69
	Blue	83	173	4
	White	421	879	55
1200mm / 47.2"	RGBW (full-on)	1536	3205	48
	RGB	972	2027	41
	Red	177	369	30
	Green	327	682	69
	Blue	111	231	4
	White	561	1171	55

Illuminance at a Distance



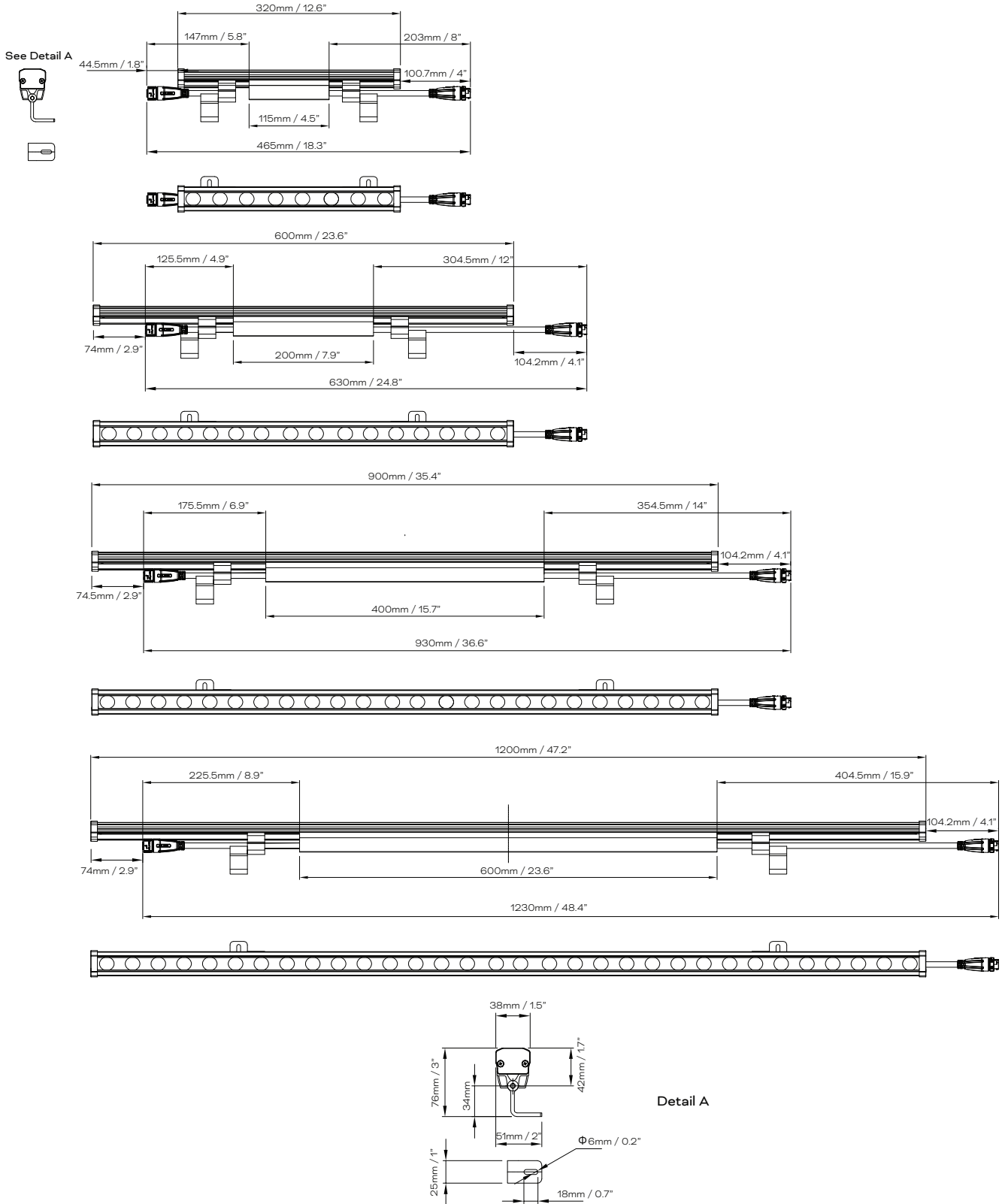
For fc divide by 10.7

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

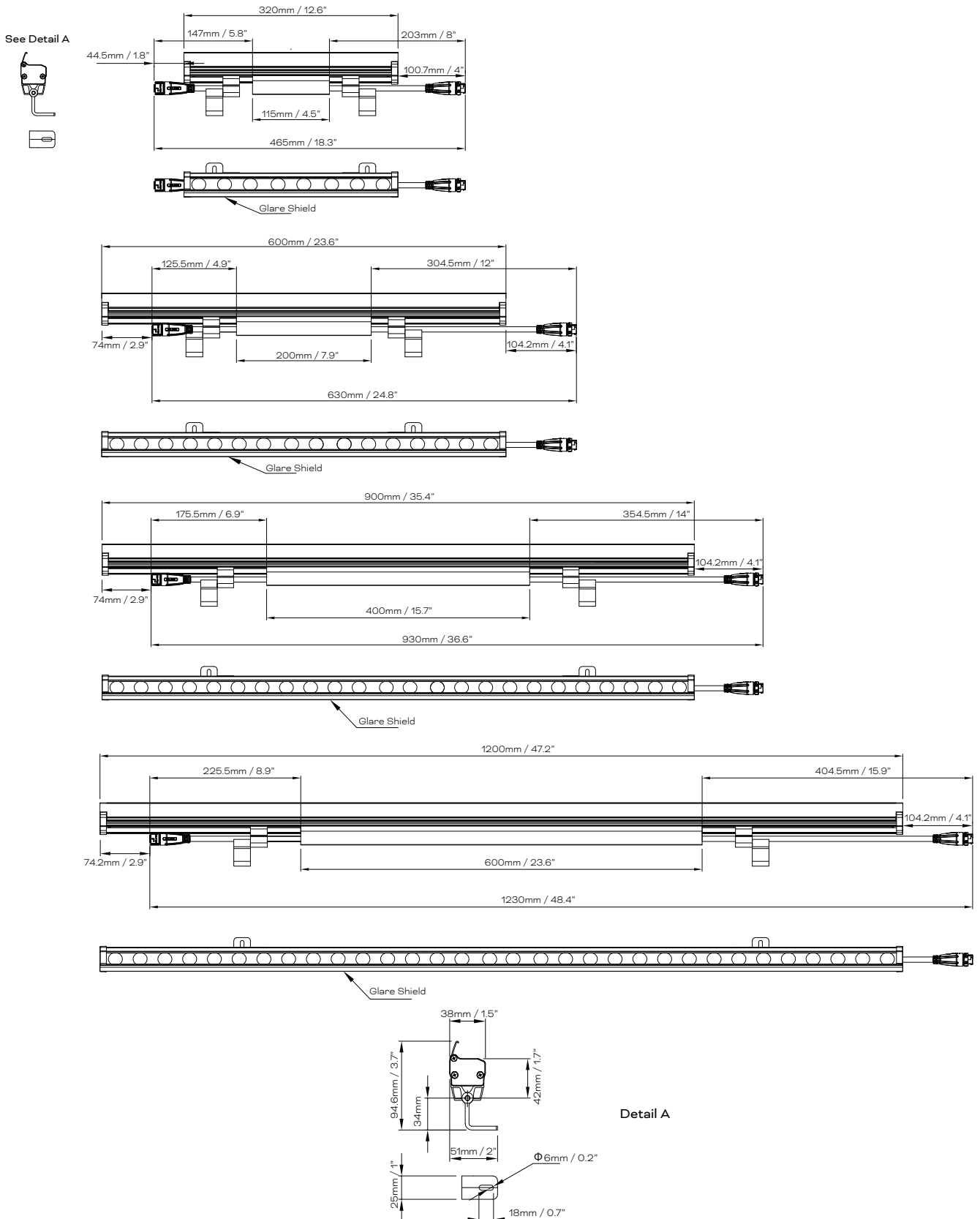
■ Vert. Spread: 24.0°
 ■ Horiz. Spread: 42.4°

Color	Distance	320mm / 12.6"		600mm / 23.6"		900mm / 35.4"		1200mm / 47.2"	
		LUX	FC	LUX	FC	LUX	FC	LUX	FC
RGBW (full-on)	0.5m / 1.6'	3168	296	6336	592	9504	888	12672	1184
	1m / 3.3'	792	74	1584	148	2377	222	3169	296
	1.5m / 4.9'	352	33	704	66	1056	99	1409	132
	2m / 6.6'	198	19	396	37	594	56	793	74
	2.5m / 8.2'	127	12	253	24	380	36	507	47
	3m / 9.8'	88	8	176	16	264	25	352	33
RGB	0.5m / 1.6'	2005	187	4010	375	6014	562	8019	749
	1m / 3.3'	501	47	1003	94	1504	141	2005	187
	1.5m / 4.9'	223	21	446	42	668	62	891	83
	2m / 6.6'	125	12	251	23	376	35	502	47
	2.5m / 8.2'	80	7	160	15	241	23	321	30
	3m / 9.8'	56	5	111	10	167	16	223	21
Red	0.5m / 1.6'	363	34	726	68	1089	102	1460	136
	1m / 3.3'	91	9	182	17	272	25	365	34
	1.5m / 4.9'	40	4	81	8	121	11	162	15
	2m / 6.6'	23	2	45	4	68	6	91	9
	2.5m / 8.2'	15	1	29	3	44	4	58	5
	3m / 9.8'	10	0.9	20	2	30	3	41	4
Green	0.5m / 1.6'	677	63	1353	126	2021	189	2698	252
	1m / 3.3'	169	16	338	32	505	47	675	63
	1.5m / 4.9'	75	7	150	14	225	21	300	28
	2m / 6.6'	42	4	85	8	126	12	169	16
	2.5m / 8.2'	27	3	54	5	81	8	108	10
	3m / 9.8'	19	2	38	4	56	5	75	7
Blue	0.5m / 1.6'	231	22	454	42	685	64	916	86
	1m / 3.3'	58	5	113	11	171	16	229	21
	1.5m / 4.9'	26	2	50	5	76	7	102	10
	2m / 6.6'	14	1	28	3	43	4	57	5
	2.5m / 8.2'	9	0.8	18	2	27	3	37	3
	3m / 9.8'	6	0.6	13	1	19	2	25	2
White	0.5m / 1.6'	1155	108	2318	217	3473	325	4628	433
	1m / 3.3'	289	27	580	54	869	81	1157	108
	1.5m / 4.9'	128	12	258	24	386	36	514	48
	2m / 6.6'	72	7	145	14	217	20	289	27
	2.5m / 8.2'	46	4	93	9	139	13	185	17
	3m / 9.8'	32	3	64	6	96	9	128	12

Fixture Dimensions (Without Glare Shield)

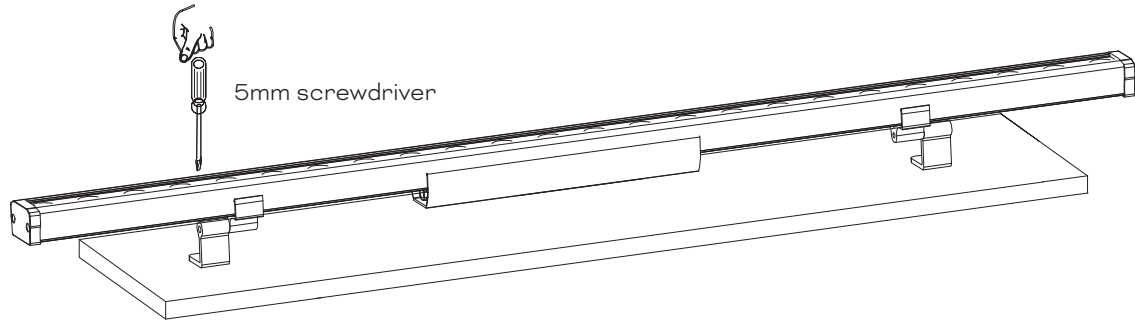


Fixture Dimensions (With Glare Shield)

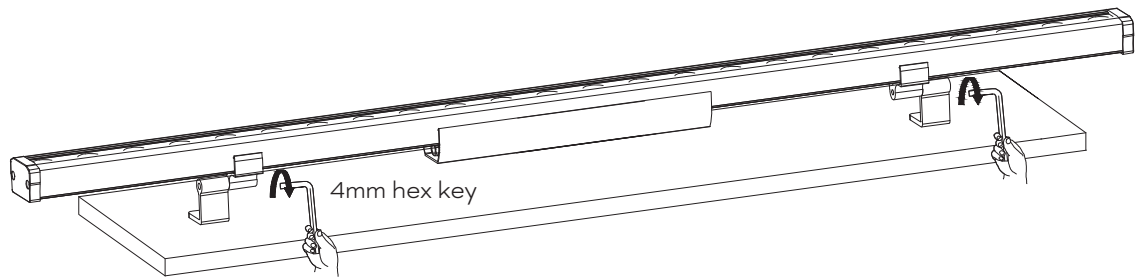


Bracket Mounting

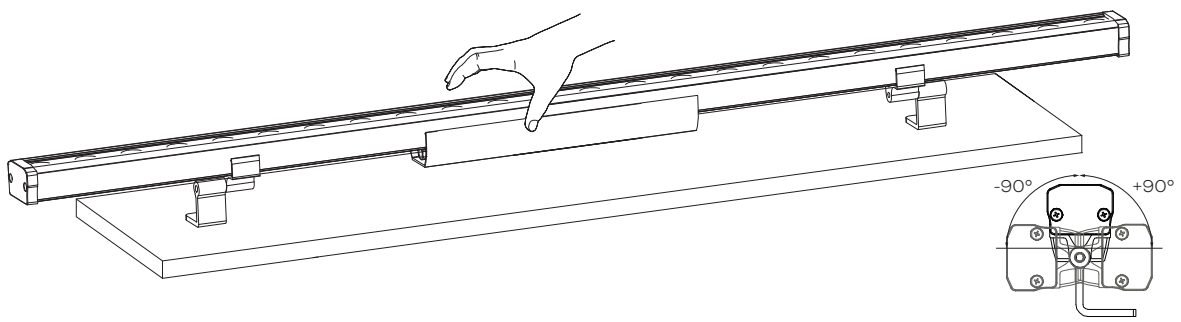
1 Fix the brackets and fixture fixing surface



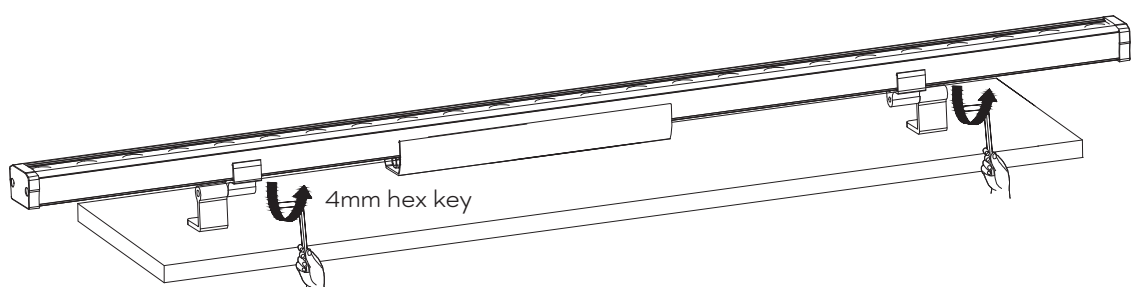
2 Loosen the bolts



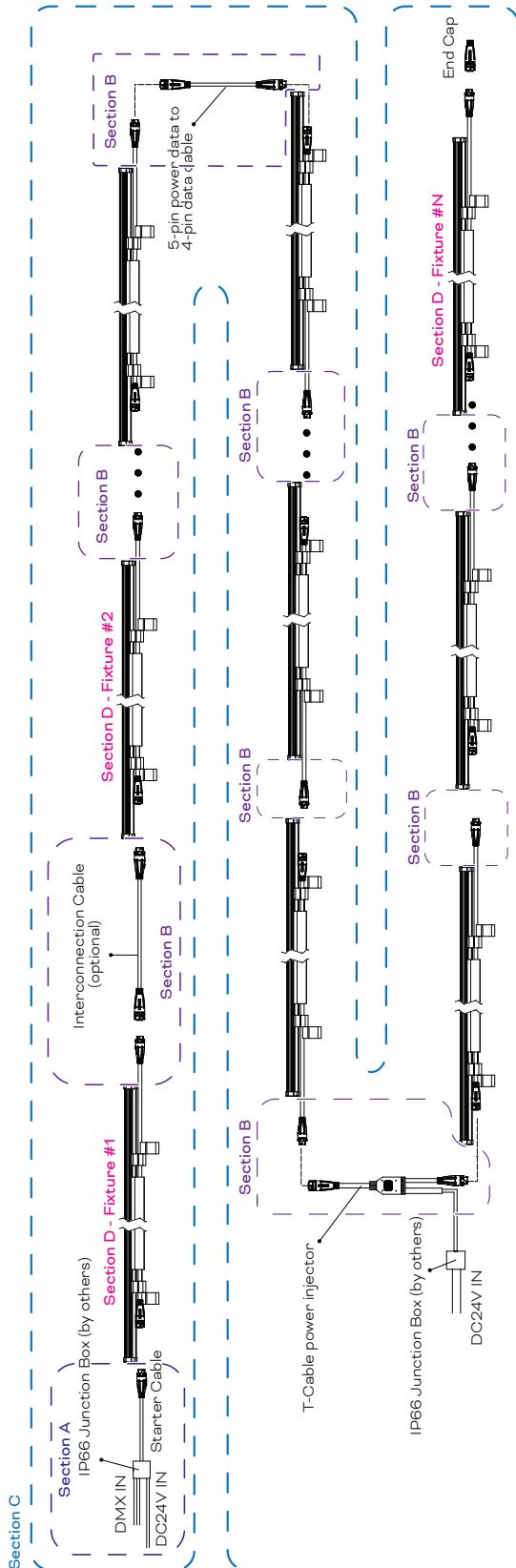
3 Adjust the fixture to desired angle



4 Fix the fixture with its desired angle



T-cable Wiring



Data cabling from DMX source to Starter cable shall be Cat5e UTP or other cable type suitable for DMX communication.

	For controlling the fixtures	For addressing the fixtures
Section A. Maximum distance from Control/Addressing source to the first fixture	80m / 262'	80m / 262'
Section B. Maximum distance between fixture to fixture	30m / 98'	12m / 39'
Section C. Maximum distance from Control source to last fixture on a single DMX512 link	200m / 656'	200m / 656'
Section D. Maximum number of fixture on a single DMX512 link	40pcs	40pcs

- Maximum number of fixture per input power line cannot exceed total wattage of 168W (CE), and 100W (US Class 2 PSU):
 - Linear Go midi 320mm / 12.6": 8W
 - Linear Go midi 600mm / 23.6": 16W
 - Linear Go midi 900mm / 35.4": 24W
 - Linear Go midi 1200mm / 47.2": 32W

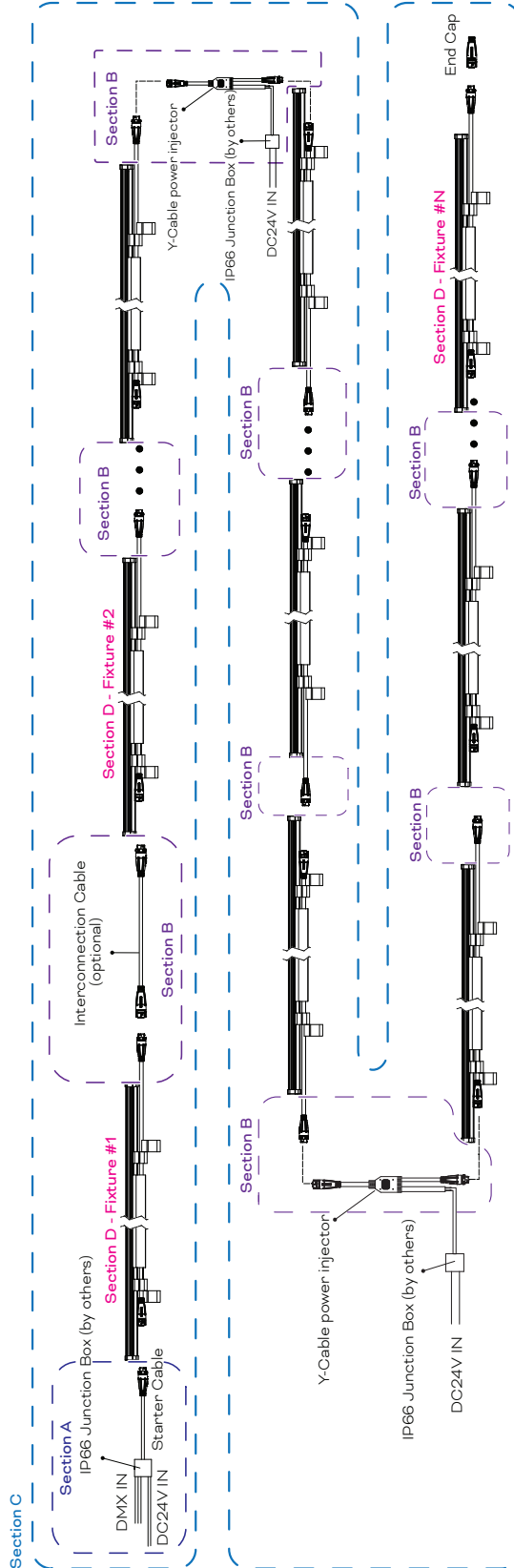
Example:

Fixture daisy chain	
Voltage	Max Number of fixtures
24V DC (CE)	eg. 5pcs 1200mm per PSU input chain
24V DC (ETL) with Class 2 PSU	eg. 2pcs 1200mm + 3pcs 320mm per PSU input chain

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.

* Consider some Power Supply Unit (PSU) wattage buffer for total power consumption

Y-cable Wiring



Data cabling from DMX source to Starter cable shall be Cat5e UTP or other cable type suitable for DMX communication.

	For controlling the fixtures	For addressing the fixtures
Section A. Maximum distance from Control/Addressing source to the first fixture	80m / 262'	80m / 262'
Section B. Maximum distance between fixture to fixture	30m / 98'	12m / 39'
Section C. Maximum distance from Control source to last fixture on a single DMX512 link	200m / 656'	200m / 656'
Section D. Maximum number of fixture on a single DMX512 link	40pcs	40pcs

- Maximum number of fixture per input power line cannot exceed total wattage of 168W (CE), and 100W (US Class 2 PSU).
 Linear Go midi 320mm / 12.6": 8W
 Linear Go midi 600mm / 23.6": 16W
 Linear Go midi 900mm / 35.4": 24W
 Linear Go midi 1200mm / 47.2": 32W

Example:

Fixture daisy chain		
Voltage	Fixture Total Power Consumption *	Max Number of fixtures
24V DC (CE)	160W	e.g. 5pcs 1200mm per PSU input chain
24V DC (ETL) with Class 2 PSU	88W	e.g. 2pcs 1200mm + 3pcs 320mm per PSU input chain

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.

* Consider some Power Supply Unit (PSU) wattage buffer for total power consumption

Fixtures Model Number

XB	.	LG	.	2		NN		1		N		N		1		3		N		00	
						Housing + Voltage		Wattage (Power)		LED		Optics		Length		Control		Approbation		Add on	
						Midi DC		08: 8W		RGBW40 (4in1)		3: 25°		1: 320mm		DMX		CE & ETL		0: Without GS	
								16: 16W				A: 35°		3: 600mm						1: With GS	
								24: 24W				9: 45° x 20°		4: 900mm							
								32: 32W						6: 1200mm							
Desired Model Number:																					
XB	.	LG	.	2				1						1		3					00

Fixtures

Model No.	Description	Item Code
XB.LG.20813113000	LINEAR GO MIDI DC 8W RGBW40 25° 320	DL23100168655
XB.LG.21613313000	LINEAR GO MIDI DC 16W RGBW40 25° 600	DL23100168755
XB.LG.22413413000	LINEAR GO MIDI DC 24W RGBW40 25° 900	DL23100168855
XB.LG.23213613000	LINEAR GO MIDI DC 32W RGBW40 25° 1200	DL23100168955
XB.LG.2081A113000	LINEAR GO MIDI DC 8W RGBW40 35° 320	DL23100269455
XB.LG.2161A313000	LINEAR GO MIDI DC 16W RGBW40 35° 600	DL23100269555
XB.LG.2241A413000	LINEAR GO MIDI DC 24W RGBW40 35° 900	DL23100269655
XB.LG.2321A613000	LINEAR GO MIDI DC 32W RGBW40 35° 1200	DL23100269755
XB.LG.20819113000	LINEAR GO MIDI DC 8W RGBW40 45°x20° 320	DL23100169255
XB.LG.21619313000	LINEAR GO MIDI DC 16W RGBW40 45°x20° 600	DL23100169355
XB.LG.22419413000	LINEAR GO MIDI DC 24W RGBW40 45°x20° 900	DL23100169455
XB.LG.23219613000	LINEAR GO MIDI DC 32W RGBW40 45°x20° 1200	DL23100169555
XB.LG.20813113100	LINEAR GO MIDI DC 8W RGBW40 25° 320 GS	DL23100217255
XB.LG.21613313100	LINEAR GO MIDI DC 16W RGBW40 25° 600 GS	DL23100217355
XB.LG.22413413100	LINEAR GO MIDI DC 24W RGBW40 25° 900 GS	DL23100217455
XB.LG.23213613100	LINEAR GO MIDI DC 32W RGBW40 25° 1200 GS	DL23100217555
XB.LG.2081A113100	LINEAR GO MIDI DC 8W RGBW40 35° 320 GS	DL23100270655
XB.LG.2161A313100	LINEAR GO MIDI DC 16W RGBW40 35° 600 GS	DL23100270755
XB.LG.2241A413100	LINEAR GO MIDI DC 24W RGBW40 35° 900 GS	DL23100270855
XB.LG.2321A613100	LINEAR GO MIDI DC 32W RGBW40 35° 1200 GS	DL23100270955
XB.LG.20819113100	LINEAR GO MIDI DC 8W RGBW40 45°x20° 320 GS	DL23100217855
XB.LG.21619313100	LINEAR GO MIDI DC 16W RGBW40 45°x20° 600 GS	DL23100217955
XB.LG.22419413100	LINEAR GO MIDI DC 24W RGBW40 45°x20° 900 GS	DL23100218055
XB.LG.23219613100	LINEAR GO MIDI DC 32W RGBW40 45°x20° 1200 GS	DL23100218155

TX Connect

Model No.	Description	Item Code
N / A	STARTER CABLE JYK DC 5-PIN 0.5M	DA23100096155
N / A	STARTER CABLE JYK DC 5-PIN 2M	DA23100096255
N / A	INTERCONNECTION CABLE JYK DC 5-PIN 0.5M	DA23100096355
N / A	INTERCONNECTION CABLE JYK DC 5-PIN 2M	DA23100096455
N / A	END CAP JYK DC DATA 5-PIN W/TERM	DA23100096555
N / A	T-CABLE JYK 5-PIN DC POWER INJECTOR	DA23100096655
N / A	5-PIN POWERDATA to 4-PIN DATA CABLE JYK	DA23100096755
N / A	Y-CABLE JYK 5-PIN DC POWER INJECTOR	DA23100754955

TX Control

Model No.	Description	Item Code
N / A	TX SMART ADDRESSER	AM438260055
N / A	LED ENGINE 24V 100W OUTDOOR	AM175860055
N / A	LED ENGINE 24V 185W OUTDOOR	AM175880055
N / A	LED ENGINE 24V 320W OUTDOOR	AM089350055

