



TRAXON Go[→]

Ribbon Go 3



Project: _____

Type: _____

IP20/IP66

The Ribbon Go 3 family are flexible LED ribbons, which are economical with comprehensive features, available in both indoor IP20 and outdoor IP66 versions, making them the perfect solution for a variety of applications, including linear, flexible, creative ambient projects, curved lighting and free-form applications.

Features

- ON/OFF, DALI, PWM, 0-10V, 1-10V, DMX2PWM Dimmer, Radio Frequency
- Easy installation and maintenance

Technologies

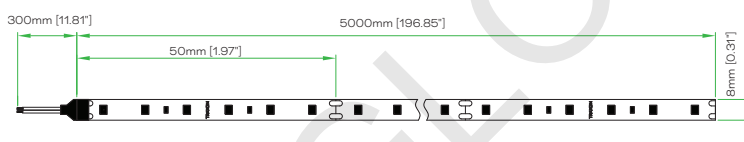
- ON/OFF, DALI, PWM, 0-10V, 1-10V, DMX2PWM Dimmer, Radio Frequency

Color Options

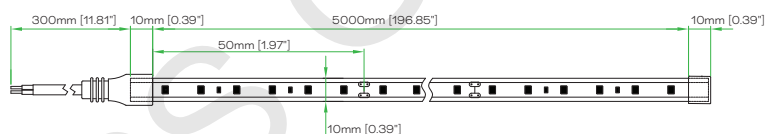


Dimensions

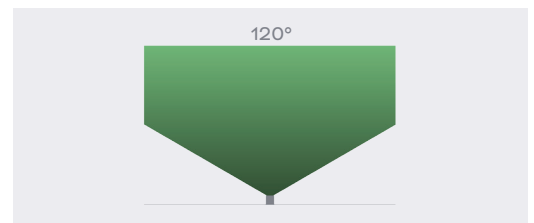
Open Beam



Flat



Beam Angle





Ribbon Go 3

Specifications

Product Specifications

Model	OB 3.5W	OB 8.5W	OB 13W	OB 17.5W	FL 3.5W	FL 8.5W	FL 13W	FL 17.5W
Light Source	White LED							
Color Range	White 2700K, 3000K, 4000K, 6500K							
CRI	RA80							
LED Quantity per Meter	120PCS							
Cutting Pitch	50mm							
Luminous Flux per Meter @4000K	455 lm	1105 lm	1625 lm	2152 lm	420 lm	977 lm	1495 lm	1960 lm
Efficacy @4000K	130 lm/W	130 lm/W	125 lm/W	123 lm/W	120 lm/W	115 lm/W	115 lm/W	112 lm/W
SDCM	3							
Beam Angles	120°							
Housing	N / A				Silicon Extrusion			
Mounting	Adhesive tape on Ribbon Various mounting channels optional				Adhesive tape on Ribbon Various mounting channels or mounting clips			
Dimensions (L x W x H)	5000mm x 8mm x 1.2mm / 96.85" x 0.31" x 0.04"				5000mm x 10mm x 4.3mm / 96.85" x 0.39" x 0.17"			
Maximum Daisy Chain	10m	8m	7m	6m	10m	8m	7m	6m
Weight per Meter	0.02kg				0.1kg			
Lowest Bending Radius	≥15mm				≥30mm			
Regulatory Listing & Safety Approval	Electrical Protection Class III							
Operating Temperature	-20°C to +50°C (-4°F to +122°F)							
Storage Temperature	-20°C to +65°C (-4°F to +149°F)							
Environment	Indoor, IP20				Outdoor, IP66			

Electrical Specifications

Input Voltage	24V DC Constant Voltage							
Power Consumption per Meter	3.5W	8.5W	13W	17.5W	3.5W	8.5W	13W	17.5W
Lumen Maintenance	L70 30000hrs @ 25°C							

System Specifications

Power Supply	Power Supply 24V							
Control	ON/OFF, DALI, PWM, 0-10V, 1-10V, DMX2PWM Dimmer, Radio Frequency							

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 complicate 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.

Lumen measurement complies with LM-79-08 standard.
Lumen maintenance is calculated based on LM-80 compliant measurement.



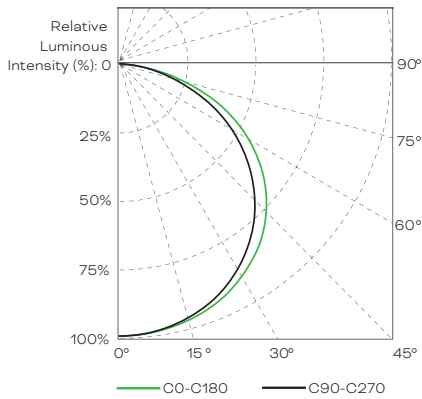
Ribbon Go 3

Photometrics

Source Specifications (Open Beam)

Source	White LED
Optics	120°

Candela Distribution



Light Output

	Color	Luminous Flux per Meter (lm)	Efficacy (lm/W)
3.5W	2700K	427	122
	3000K	434	124
	4000K	455	130
	6500K	455	130
8.5W	2700K	1020	120
	3000K	1062	125
	4000K	1105	130
	6500K	1062	125
13W	2700K	1495	115
	3000K	1560	120
	4000K	1625	125
	6500K	1625	125
17.5W	2700K	1960	112
	3000K	2012	115
	4000K	2152	123
	6500K	2100	120

Illuminance at a Distance

	Center Beam LUX/klm	Beam Width	
		H	V
0.5m	1258	1.96m / 6.43'	1.66m / 5.45'
1m	314	3.93m / 12.89'	3.32m / 10.89'
1.5m	140	5.89m / 19.32'	4.97m / 16.31'
2.0m	79	7.85m / 25.75'	6.63m / 21.75'
2.5m	50	9.81m / 32.19'	7.29m / 23.92'
3m	35	11.78m / 38.65'	9.95m / 32.64'

- Horiz.Spread: 126.0°
- Vertic.Spread: 117.8°

For fc divide by 10.7

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



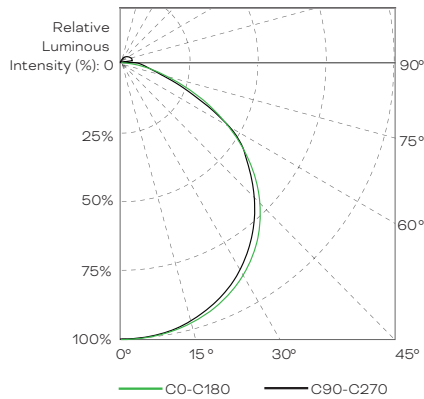
Ribbon Go 3

Photometrics

Source Specifications (Flat)

Source	White LED
Optics	120°

Candela Distribution



Light Output

	Color	Luminous Flux per Meter (lm)	Efficacy (lm/W)
3.5W	2700K	392	112
	3000K	402	115
	4000K	420	120
	6500K	420	120
8.5W	2700K	935	110
	3000K	952	112
	4000K	977	115
	6500K	977	115
13W	2700K	1404	108
	3000K	1430	110
	4000K	1495	115
	6500K	1469	113
17.5W	2700K	1837	105
	3000K	1890	108
	4000K	1960	112
	6500K	1925	110

Illuminance at a Distance

	Center Beam LUX/klm	Beam Width	
0.5m	1344	1.54m / 5.05'	1.6'
1m	336	3.08m / 10.10'	3.3'
1.5m	149	4.62m / 15.16'	4.9'
2.0m	84	6.16m / 20.21'	6.6'
2.5m	54	7.70m / 25.26'	8.2'
3m	37	9.24m / 30.31'	9.8'

For fc divide by 10.7

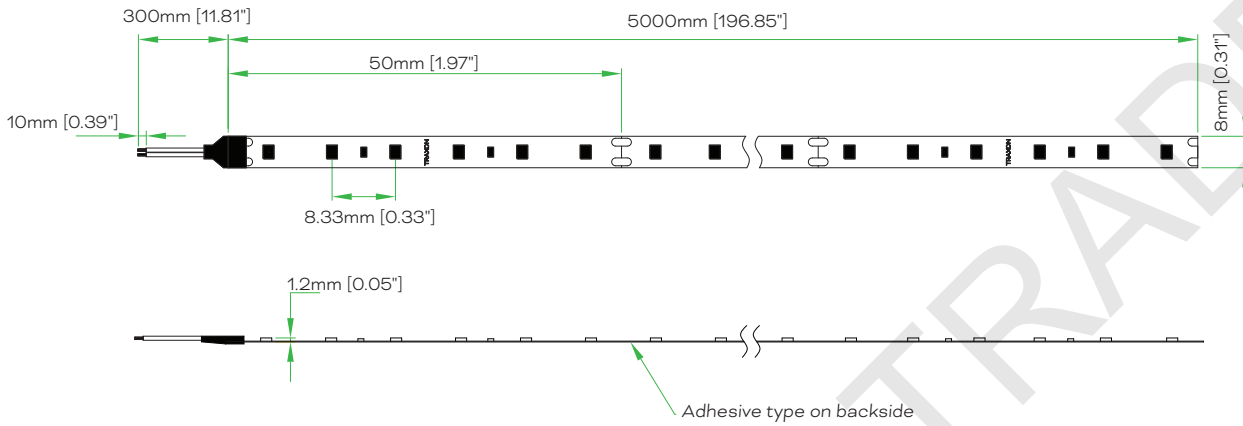
■ Horiz.Spread: 114.0°

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

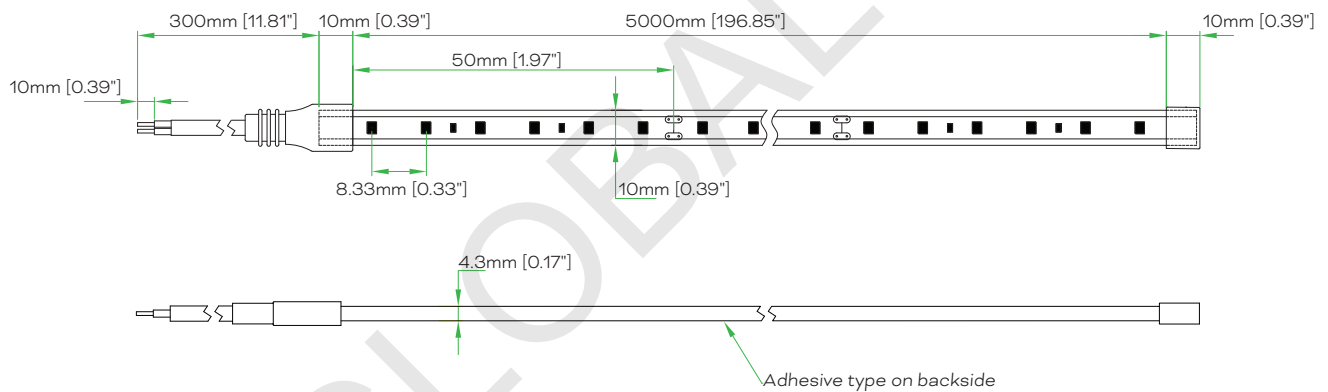


Fixture Dimensions

Open Beam



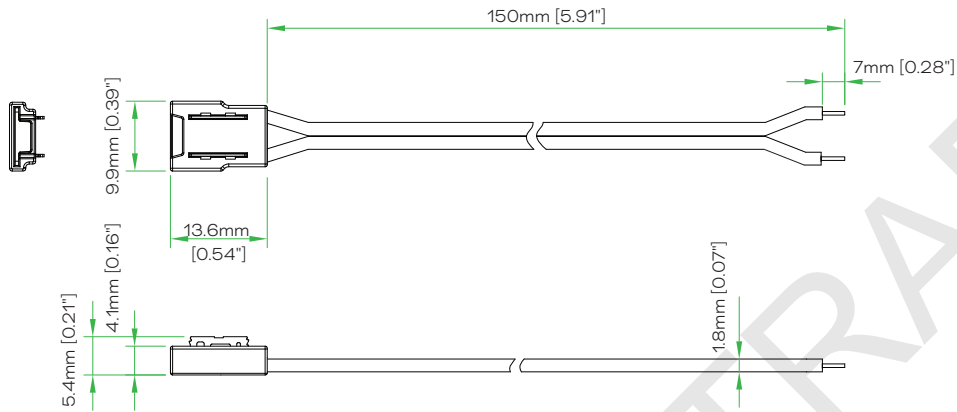
Flat



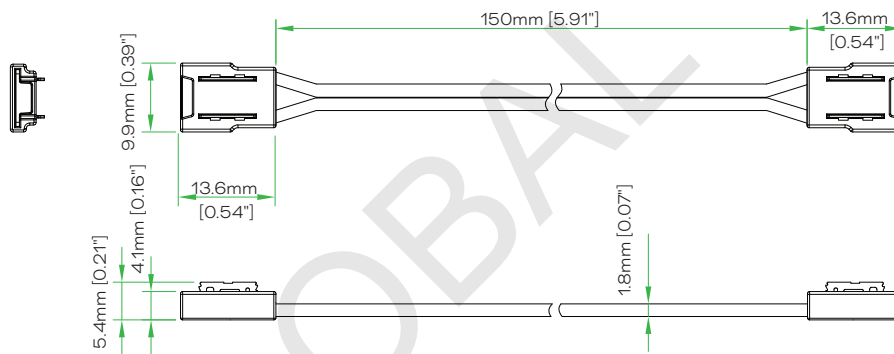


Connection Accessories Dimensions (Open Beam)

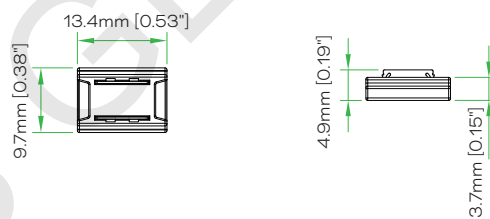
STARTER CABLE OB 2PIN 150MM DA23100763855



INTERCONNECTION CABLE OB 2PIN 150MM DA23100763955



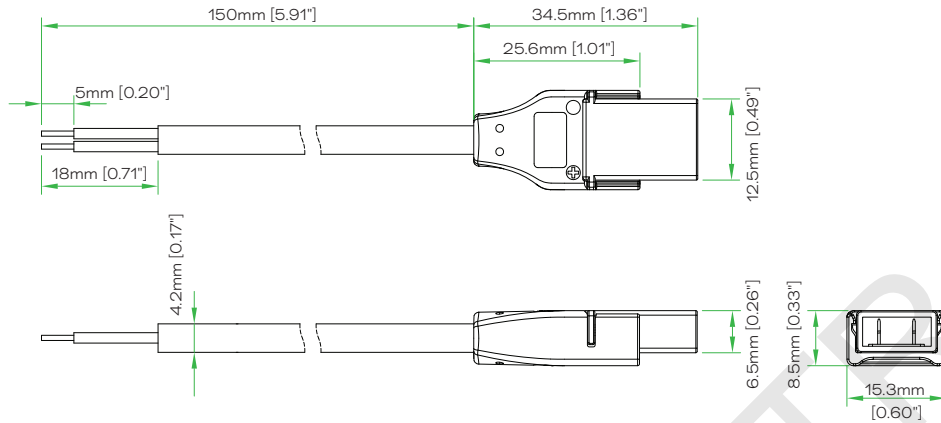
B2B CONNECTOR OB 2PIN 10PC DA23100764055



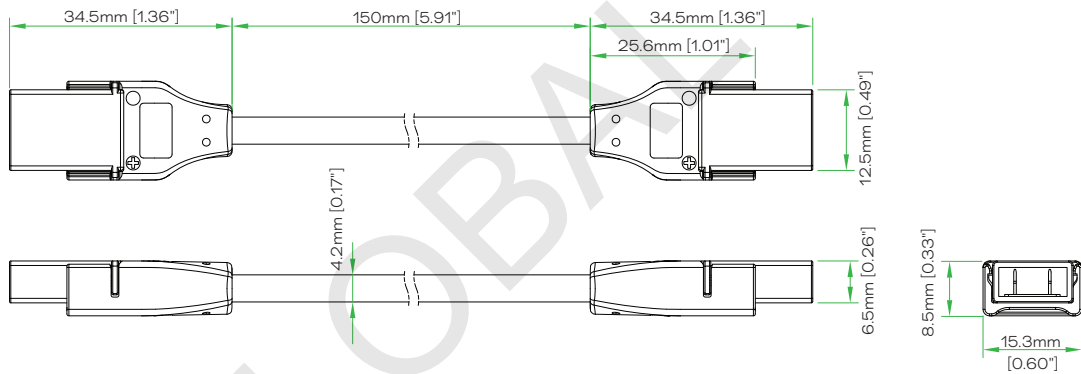


Connection Accessories Dimensions (Flat)

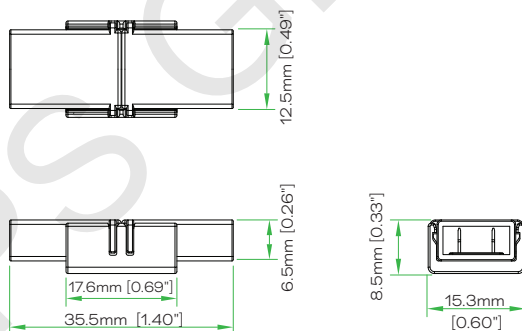
STARTER CABLE FL 2PIN 150MM DA23100764155



INTERCONNECTION CABLE FL 2PIN 150MM DA23100764255



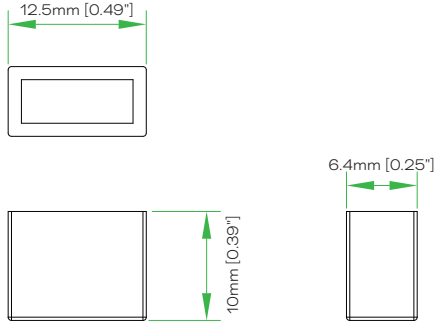
B2B CONNECTOR FL 2PIN 10PC DA23100764355



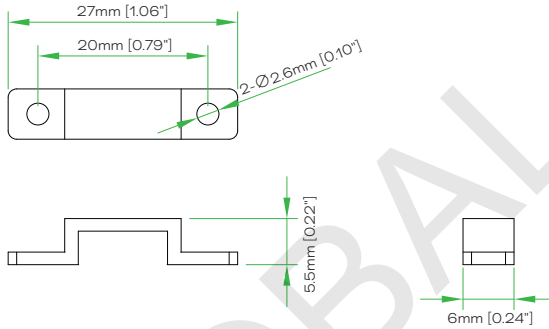


Mounting Accessories Dimensions

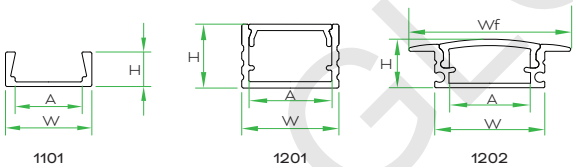
RIBBON GO 3 FL FIELD CUT END CAP 20PC DA23100764955



RIBBON GO 3 FL MOUNTING CLIP 10PC DA23100764455

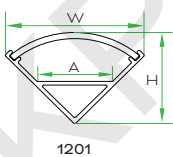


U-CHANNEL



Description	L	W / Wf	A	H	Item Code
RIBBON GO 3 U-CHANNEL 1101 980	980mm 38.58	14.8mm 0.58"	11.5mm 0.45"	6mm 0.24"	DA23100764555
RIBBON GO 3 U-CHANNEL 1201 980	980mm 38.58	15mm 0.59"	12.9mm 0.51"	10mm 0.39"	DA23100764655
RIBBON GO 3 U-CHANNEL 1202 980	980mm 38.58	17mm / 25mm 0.67" / 0.98"	12.6mm 0.50"	7.6mm 0.30"	DA23100764855

V-CHANNEL



Description	L	W / Wf	A	H	Item Code
RIBBON GO 3 V-CHANNEL 1201 980	980mm 38.58	22.46mm 0.88"	12mm 0.47"	11.9mm 0.47"	DA23100764755



Ribbon Go 3

Ordering

Fixtures Model Number

RB.	RE.	N	O	NNN	1	N	O	O	5	N	O	00
		Ribbon Form	Input Voltage	Power / Meter	Ra	LED Color	LEDs / Meter	Beam Angle	Length	IP Grade	Cable Feed	
		0: OB	0: DC24V	035: 3.5W/m	1: Ra80	1: 2700K	0: 120 LEDs / m	0: 120°	5: 5m	0: IP20	0: End Feed	
		1: Flat		085: 8.5W/m		2: 3000K				1: IP66		
				130: 13W/m		4: 4000K						
				175: 17.5W/m		7: 6500K						

Desired Model Number:

RB.	RE.	O	1	O	O	5	O	00
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Fixtures

Model No.	Description	Item Code
RB.RE.00035110050000	RIBBON GO 3 OB DC 3.5W 827 120 5M IP20	DL23100760655
RB.RE.00035120050000	RIBBON GO 3 OB DC 3.5W 830 120 5M IP20	DL23100760755
RB.RE.00035140050000	RIBBON GO 3 OB DC 3.5W 840 120 5M IP20	DL23100760855
RB.RE.00035170050000	RIBBON GO 3 OB DC 3.5W 865 120 5M IP20	DL23100760955
RB.RE.00085110050000	RIBBON GO 3 OB DC 8.5W 827 120 5M IP20	DL23100761055
RB.RE.00085120050000	RIBBON GO 3 OB DC 8.5W 830 120 5M IP20	DL23100761155
RB.RE.00085140050000	RIBBON GO 3 OB DC 8.5W 840 120 5M IP20	DL23100761255
RB.RE.00085170050000	RIBBON GO 3 OB DC 8.5W 865 120 5M IP20	DL23100761355
RB.RE.00130110050000	RIBBON GO 3 OB DC 13W 827 120 5M IP20	DL23100761455
RB.RE.00130120050000	RIBBON GO 3 OB DC 13W 830 120 5M IP20	DL23100761555
RB.RE.00130140050000	RIBBON GO 3 OB DC 13W 840 120 5M IP20	DL23100761655
RB.RE.00130170050000	RIBBON GO 3 OB DC 13W 865 120 5M IP20	DL23100761755
RB.RE.00175110050000	RIBBON GO 3 OB DC 17.5W 827 120 5M IP20	DL23100761855
RB.RE.00175120050000	RIBBON GO 3 OB DC 17.5W 830 120 5M IP20	DL23100761955
RB.RE.00175140050000	RIBBON GO 3 OB DC 17.5W 840 120 5M IP20	DL23100762055
RB.RE.00175170050000	RIBBON GO 3 OB DC 17.5W 865 120 5M IP20	DL23100762155
RB.RE.10035110051000	RIBBON GO 3 FL DC 3.5W 827 120 5M IP66	DL23100762255
RB.RE.10035120051000	RIBBON GO 3 FL DC 3.5W 830 120 5M IP66	DL23100762355
RB.RE.10035140051000	RIBBON GO 3 FL DC 3.5W 840 120 5M IP66	DL23100762455
RB.RE.10035170051000	RIBBON GO 3 FL DC 3.5W 865 120 5M IP66	DL23100762555
RB.RE.10085110051000	RIBBON GO 3 FL DC 8.5W 827 120 5M IP66	DL23100762655
RB.RE.10085120051000	RIBBON GO 3 FL DC 8.5W 830 120 5M IP66	DL23100762755
RB.RE.10085140051000	RIBBON GO 3 FL DC 8.5W 840 120 5M IP66	DL23100762855
RB.RE.10085170051000	RIBBON GO 3 FL DC 8.5W 865 120 5M IP66	DL23100762955
RB.RE.10130110051000	RIBBON GO 3 FL DC 13W 827 120 5M IP66	DL23100763055
RB.RE.10130120051000	RIBBON GO 3 FL DC 13W 830 120 5M IP66	DL23100763155
RB.RE.10130140051000	RIBBON GO 3 FL DC 13W 840 120 5M IP66	DL23100763255
RB.RE.10130170051000	RIBBON GO 3 FL DC 13W 865 120 5M IP66	DL23100763355
RB.RE.10175110051000	RIBBON GO 3 FL DC 17.5W 827 120 5M IP66	DL23100763455
RB.RE.10175120051000	RIBBON GO 3 FL DC 17.5W 830 120 5M IP66	DL23100763555
RB.RE.10175140051000	RIBBON GO 3 FL DC 17.5W 840 120 5M IP66	DL23100763655
RB.RE.10175170051000	RIBBON GO 3 FL DC 17.5W 865 120 5M IP66	DL23100763755



TX Connect

Model No.	Description	Item Code
N / A	STARTER CABLE OB 2PIN 150MM	DA23100763855
N / A	INTERCONNECTION CABLE OB 2PIN 150MM	DA23100763955
N / A	B2B CONNECTOR OB 2PIN 10PC	DA23100764055
N / A	STARTER CABLE FL 2PIN 150MM	DA23100764155
N / A	INTERCONNECTION CABLE FL 2PIN 150MM	DA23100764255
N / A	B2B CONNECTOR FL 2PIN 10PC	DA23100764355

TX Cutting Tools

Model No.	Description	Item Code
N / A	PX RIBBON CUTTING TOOL	AM412950055
N / A	PX RIBBON SEALING GLUE 100ML	AM412960055
N / A	RIBBON GO 3 FL FIELD CUT ENDCAP 20PC	DA23100764955

TX Mounting

Model No.	Description	Item Code
N / A	RIBBON GO 3 FL MOUNTING CLIP 10PC	DA23100764455
N / A	RIBBON GO 3 U-CHANNEL 1101 980	DA23100764555
N / A	RIBBON GO 3 U-CHANNEL 1201 980	DA23100764655
N / A	RIBBON GO 3 V-CHANNEL 1201 980	DA23100764755
N / A	RIBBON GO 3 U-CHANNEL 1202 980	DA23100764855

TX Power Supply & Control

Model No.	Description	Item Code
N / A	POWER SUPPLY 200W 24V ON/OFF INDOOR	DA23100765055
N / A	POWER SUPPLY 200W 24V ON/OFF OUTDOOR	DA23100765155
N / A	POWER SUPPLY 150W 24V DALI INDOOR	DA23100765255
N / A	POWER SUPPLY 75W 24V 0-10 PWM INDOOR	DA23100765355
N / A	DMX2PWM Dimmer 4CH	AM467260055
N / A	SYMPLE Essential 2 Node	AM466930031
N / A	RF REMOTE	DA23100765455
N / A	RF DIMMER 2.4G INDOOR	DA23100765555

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