



# TRAXON Go<sup>→</sup>

## Ribbon Go 5 Side



Project: \_\_\_\_\_

Type: \_\_\_\_\_



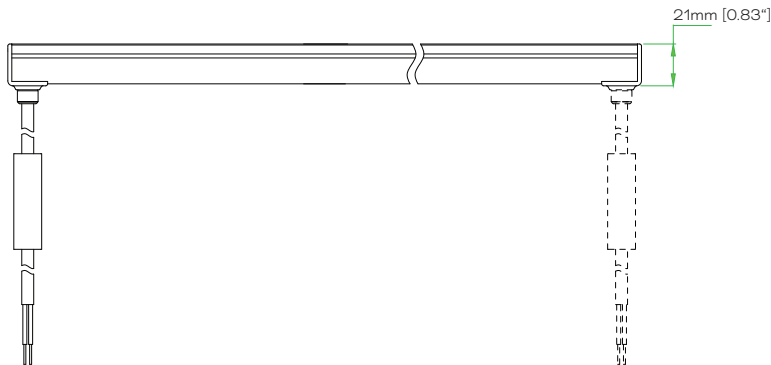
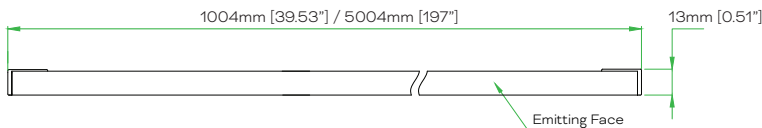
IP67

The Ribbon Go 5 Side family are flexible LED diffused side-bending ribbons, which are reliable and multi-optional with comprehensive features, available in outdoor IP67 version, making them the perfect solution for a variety of applications, including linear, flexible, creative ambient projects, curved lighting and free-form applications.

### Features

- Up to 1000 lm/m
- Ra80/90
- White, Dynamic White, RGB, RGBW options
- Power range from 4.9W to 16.7W
- ON/OFF, DALI, PWM, 0-10V, 1-10V, DMX2PWM Dimmer, Radio Frequency (Dimming is possible with optional accessories)
- IP67
- Lumen Maintenance L70@25° - 50,000 Hrs

### Dimensions



### Technologies

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

### Color Options



### Beam Angle





### Product Specifications - Ribbon Go 5 SD W

Model	4.9W Ra80	7.6W Ra80	13.3W Ra80	6W Ra90	9.2W Ra90	16.7W Ra90	
Light Source	White LED						
Color Range	White 2700K, 3000K, 3500K, 4000K, 5000K, 6500K						
CRI	Ra80			Ra90			
LED Quantity per Meter	140PCS						
Cutting Pitch	50mm						
Luminous Flux per Meter (lm)	2700K	387	570	931	372	552	935
	3000K	397	593	971	390	561	952
	3500K	402	593	958	390	589	985
	4000K	400	600	1000	400	600	1000
	5000K	402	593	958	384	570	969
	6500K	382	585	944	378	561	952
Efficacy (lm/W)	2700K	79	75	70	62	60	56
	3000K	81	78	73	65	61	57
	3500K	82	78	72	65	64	59
	4000K	82	79	75	67	65	60
	5000K	82	78	72	64	62	58
	6500K	78	77	71	63	61	57
SDCM	2700K - 5000K: ≤ 4 6500K: ≤ 5						
Beam Angles	120°						
Housing	Silicon Extrusion						
Mounting	Various mounting channels or mounting clips						
Dimensions	L	5004mm [197"], 1004mm [39.53"]					
Dimensions	W x H	12mm [0.47"] x 20mm [0.79"]					
Reel Length	5m, 1m						
Maximum Daisy Chain	10m	10m	8m	10m	9m	6m	
Weight per Meter	289g / 10.19oz						
Minimum Bend Radius	75mm / 2.95"						
Regulatory Listing & Safety Approval	Electrical Protection Class III						
Operating Temperature	-25°C to +55°C (-13°F to +131°F)						
Storage Temperature	-25°C to +60°C (-13°F to +140°F)						
Environment	Outdoor, IP67						

### Electrical Specifications

Input Voltage	24V DC Constant Voltage					
Power Consumption per Meter	4.9W	7.6W	13.3W	6W	9.2W	16.7W
Lumen Maintenance	L70 50,000hrs @ 25°C					

### System Specifications

Power Supply	Power Supply 24V
Control	ON/OFF, DALI, PWM, 0-10V, 1-10V, DMX2PWM Dimmer, Radio Frequency (Dimming is possible with optional accessories)

**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.



### Product Specifications - Ribbon Go 5 SD RGB / RGBW / DW

Model	RGB 15W	RGBW 15W Ra80	RGBW 15W Ra90	DW 11.5W Ra80	DW 14.2W Ra90
Light Source	RGB LED	RGB LED and White LED		White LED	
Color Range	RGB	RGBW (White= 4000K)		Dynamic White 2700K - 6500K	
CRI	/	Ra80	Ra90	Ra80	Ra90
LED Quantity per Meter	84PCS RGB	84PCS RGB + 84PCS White		98PCS Warm White + 98PCS Cool White	
Cutting Pitch	83.3mm	83.3mm		71.4mm	
Luminous Flux per Meter (lm)	360	RGB: 280 W 4000K: 280	RGB: 280 W 4000K: 240	850 (full on)	850 (full on)
Efficacy (lm/W)	24	RGB: 25 W 4000K: 73	RGB: 25 W 4000K: 64	74 (full on)	60 (full on)
SDCM	/	≤ 5	≤ 5	≤ 5	≤ 5
Beam Angles	120°				
Housing	Silicon Extrusion				
Mounting	Various mounting channels or mounting clips				
Dimensions (L)	5004mm [197"], 1004mm [39.53"]				
Dimensions (W x H)	12mm [0.47"] x 20mm [0.79"]				
Reel Length	5m, 1m				
Maximum Daisy Chain	8m	5m	5m	10m	7m
Weight per Meter	300g / 10.58oz	310g / 10.93oz	310g / 10.93oz	295g / 10.41oz	295g / 10.41oz
Minimum Bend Radius	75mm / 2.95"				
Regulatory Listing & Safety Approval	Electrical Protection Class III				
Operating Temperature	-25°C to +55°C (-13°F to +131°F)				
Storage Temperature	-25°C to +60°C (-13°F to +140°F)				
Environment	Outdoor, IP67				

### Electrical Specifications

Input Voltage	24V DC Constant Voltage				
Power Consumption per Meter (Full on)	15W	15W	15W	11.5W	14.2W
Lumen Maintenance	L70 50,000hrs @ 25°C				

### System Specifications

Power Supply	Power Supply 24V
Control	DALI, PWM, 0-10V, 1-10V, DMX2PWM Dimmer, Radio Frequency (Dimming is possible with optional accessories)

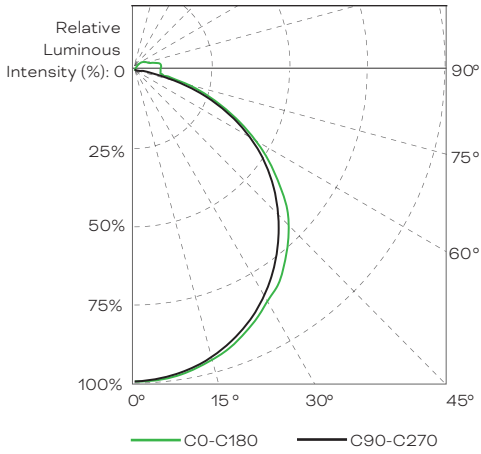
**LED CHARACTERISTICS** Because LEDs are semiconductor devices, their performances are subject to inherent variability commonly found in semiconductor industry. To improve consistency in performance across the same product, LED manufacturers "sort" LEDs into bins according to different preset parameters, 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.

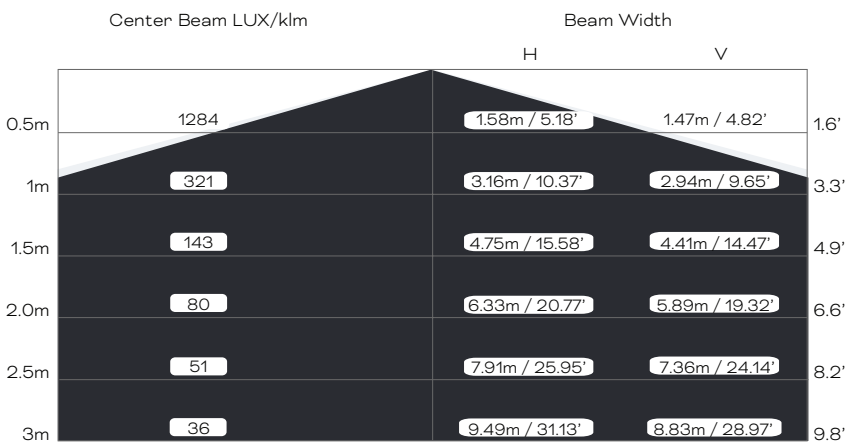
Lumen measurement complies with LM-79-08 standard.  
Lumen maintenance is calculated based on LM-80 compliant measurement.



### Candela Distribution



### Illuminance at a Distance

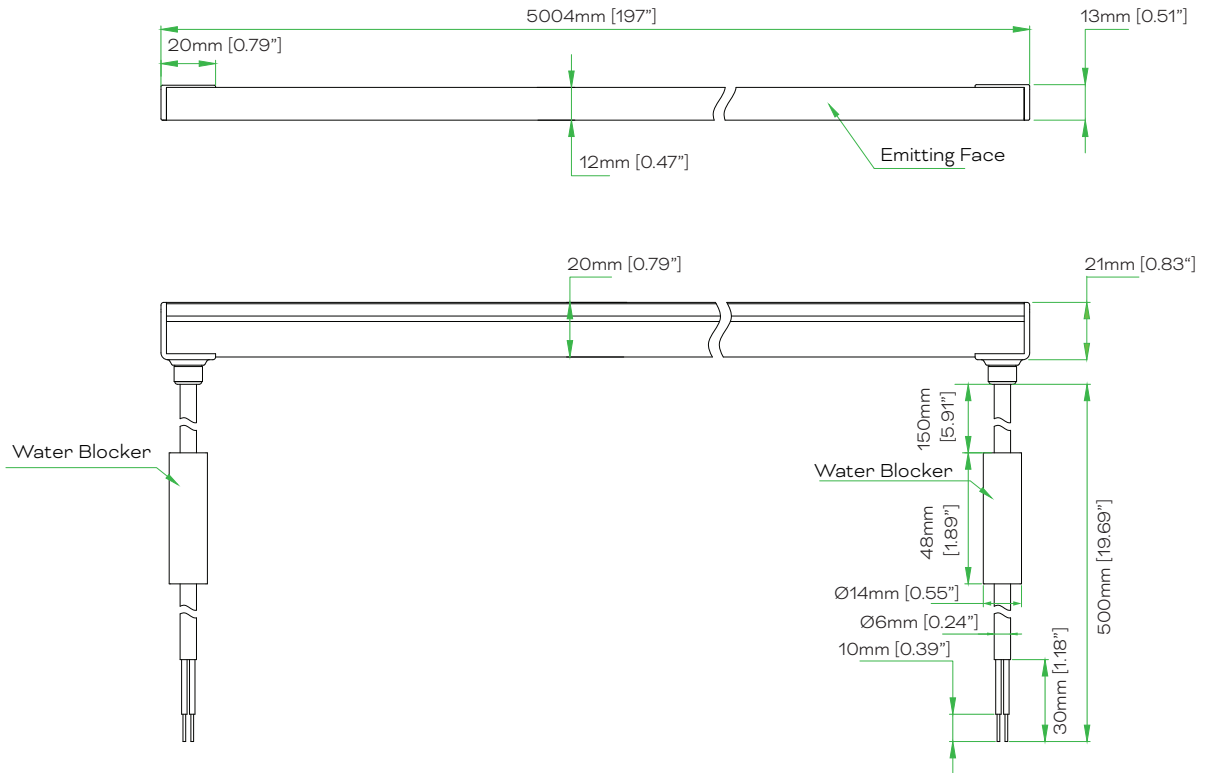


For fc divide by 10.7  
 Horiz.Spread: 115.4°  
 Vertic.Spread: 111.6°  
 IES and LDT files are available for download from the Traxon website.

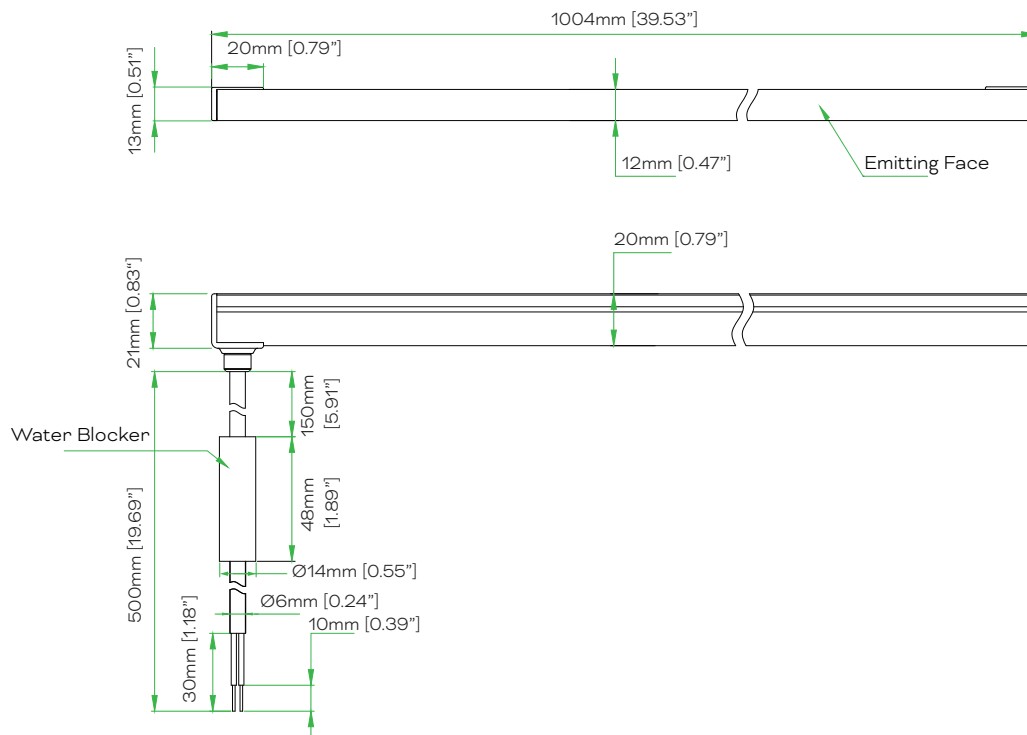


### Fixture Dimensions

#### RIBBON GO 5 SD 5M



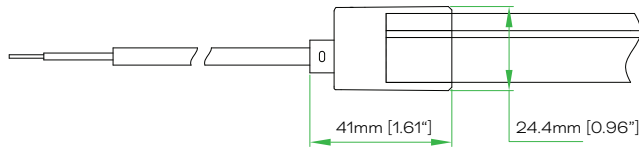
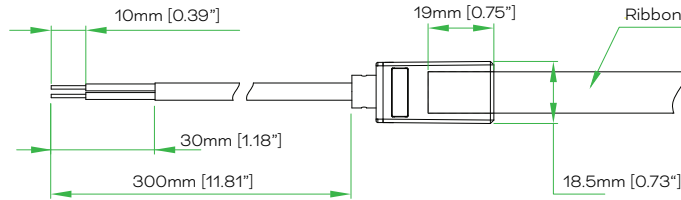
#### RIBBON GO 5 SD 1M





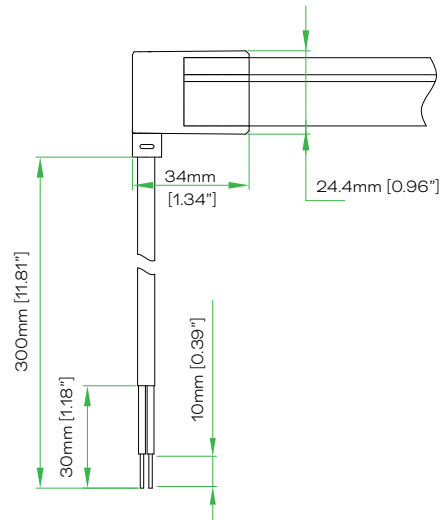
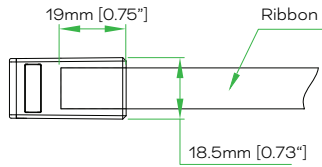
### Connection Accessories Dimensions

#### STARTER CABLE END CABLE FEED



	2 PIN	3 PIN	4 PIN	5 PIN
Wire	2-core	3-core	4-core	5-core

#### STARTER CABLE BOTTOM CABLE FEED

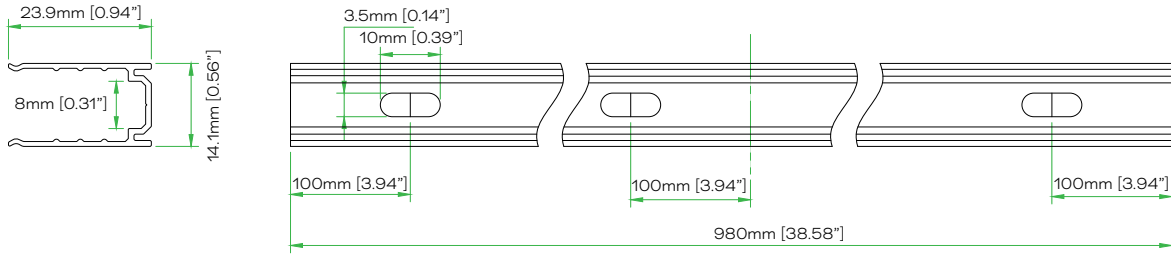


	2 PIN	3 PIN	4 PIN	5 PIN
Wire	2-core	3-core	4-core	5-core

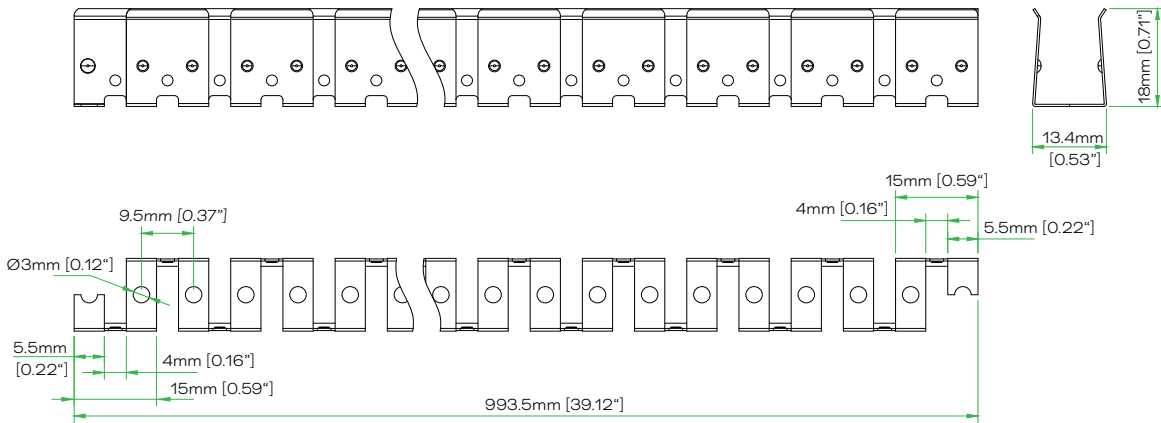


### Mounting Accessories Dimensions

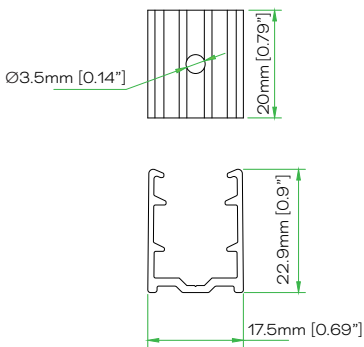
#### U-CHANNEL



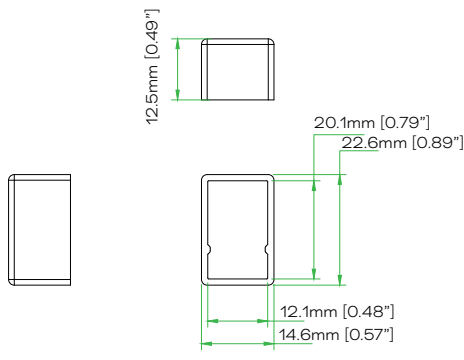
#### FLEXIBLE MOUNT STRIP



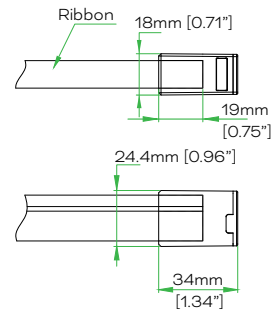
#### MOUNTING CLIP



#### FIELD-CUT END CAP



#### FIELD-CUT END CAP ASSY





## Ribbon Go 5 Side

Ordering

### Fixtures Model Number

RB.	RG.	3	0	NNN	N	N	N	0	N	2	N	00
Form	Input Voltage	Power / Meter	Ra	LED Color	LEDs / Meter	Beam Angle	Length	IP Grade	Cable Feed			
3: Side	0: DC24V	W Ra80 • 049: 4.9W/m • 076: 7.6W/m • 133: 13.3W/m	0: RGB without Ra requirement	1: 2700K	W: • 2: 140pcs	0: 120°	5: 5m	2: IP67	1: Bottom feed, 2 ends			
		W Ra90 • 060: 6W/m • 092: 9.2W/m • 167: 16.7W/m	1: Ra80	2: 3000K	RGB: • 4: 84pcs		1: 1m		2: Bottom feed, 1 ends			
		RGB • 015: 15W/m	2: Ra90	3: 3500K	RGBW: • 5: 168pcs							
		RGBW Ra80 • 015: 15W/m		4: 4000K	DW: • 6: 196pcs							
		RGBW Ra90 • 015: 15W/m		5: 5000K								
		DW Ra80 • 115: 11.5W/m		7: 6500K								
		DW Ra90 • 142: 14.2W/m		8: DW 2700K-6500K								
				9: RGB								
				B: RGBW (W=4000K)								

### Desired Model Number:

RB.	RG.	3	0				0		2			00
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### Fixtures

Model No.	Description	Item Code
RB.RG.30049112052100	RIBBON GO 5 SD DC 4.9W 827 140 5M B2 IP67	DL24102130555
RB.RG.30076112052100	RIBBON GO 5 SD DC 7.6W 827 140 5M B2 IP67	DL24102130655
RB.RG.30133112052100	RIBBON GO 5 SD DC 13.3W 827 140 5M B2 IP67	DL24102130755
RB.RG.30049122052100	RIBBON GO 5 SD DC 4.9W 830 140 5M B2 IP67	DL24102130855
RB.RG.30076122052100	RIBBON GO 5 SD DC 7.6W 830 140 5M B2 IP67	DL24102130955
RB.RG.30133122052100	RIBBON GO 5 SD DC 13.3W 830 140 5M B2 IP67	DL24102131055
RB.RG.30049132052100	RIBBON GO 5 SD DC 4.9W 835 140 5M B2 IP67	DL24102131155
RB.RG.30076132052100	RIBBON GO 5 SD DC 7.6W 835 140 5M B2 IP67	DL24102131255
RB.RG.30133132052100	RIBBON GO 5 SD DC 13.3W 835 140 5M B2 IP67	DL24102131355
RB.RG.30049142052100	RIBBON GO 5 SD DC 4.9W 840 140 5M B2 IP67	DL24102131455
RB.RG.30076142052100	RIBBON GO 5 SD DC 7.6W 840 140 5M B2 IP67	DL24102131555
RB.RG.30133142052100	RIBBON GO 5 SD DC 13.3W 840 140 5M B2 IP67	DL24102131655
RB.RG.30049152052100	RIBBON GO 5 SD DC 4.9W 850 140 5M B2 IP67	DL24102131755
RB.RG.30076152052100	RIBBON GO 5 SD DC 7.6W 850 140 5M B2 IP67	DL24102131855
RB.RG.30133152052100	RIBBON GO 5 SD DC 13.3W 850 140 5M B2 IP67	DL24102131955
RB.RG.30049172052100	RIBBON GO 5 SD DC 4.9W 865 140 5M B2 IP67	DL24102132055
RB.RG.30076172052100	RIBBON GO 5 SD DC 7.6W 865 140 5M B2 IP67	DL24102132155
RB.RG.30133172052100	RIBBON GO 5 SD DC 13.3W 865 140 5M B2 IP67	DL24102132255
RB.RG.30049112012200	RIBBON GO 5 SD DC 4.9W 827 140 1M B1 IP67	DL24102132355
RB.RG.30076112012200	RIBBON GO 5 SD DC 7.6W 827 140 1M B1 IP67	DL24102132455
RB.RG.30133112012200	RIBBON GO 5 SD DC 13.3W 827 140 1M B1 IP67	DL24102132555
RB.RG.30049122012200	RIBBON GO 5 SD DC 4.9W 830 140 1M B1 IP67	DL24102132655
RB.RG.30076122012200	RIBBON GO 5 SD DC 7.6W 830 140 1M B1 IP67	DL24102132755
RB.RG.30133122012200	RIBBON GO 5 SD DC 13.3W 830 140 1M B1 IP67	DL24102132855





### Fixtures

Model No.	Description	Item Code
RB.RG.30049132012200	RIBBON GO 5 SD DC 4.9W 835 140 1M B1 IP67	DL24102132955
RB.RG.30076132012200	RIBBON GO 5 SD DC 7.6W 835 140 1M B1 IP67	DL24102133055
RB.RG.30133132012200	RIBBON GO 5 SD DC 13.3W 835 140 1M B1 IP67	DL24102133155
RB.RG.30049142012200	RIBBON GO 5 SD DC 4.9W 840 140 1M B1 IP67	DL24102133255
RB.RG.30076142012200	RIBBON GO 5 SD DC 7.6W 840 140 1M B1 IP67	DL24102133355
RB.RG.30133142012200	RIBBON GO 5 SD DC 13.3W 840 140 1M B1 IP67	DL24102133455
RB.RG.30049152012200	RIBBON GO 5 SD DC 4.9W 850 140 1M B1 IP67	DL24102133555
RB.RG.30076152012200	RIBBON GO 5 SD DC 7.6W 850 140 1M B1 IP67	DL24102133655
RB.RG.30133152012200	RIBBON GO 5 SD DC 13.3W 850 140 1M B1 IP67	DL24102133755
RB.RG.30049172012200	RIBBON GO 5 SD DC 4.9W 865 140 1M B1 IP67	DL24102133855
RB.RG.30076172012200	RIBBON GO 5 SD DC 7.6W 865 140 1M B1 IP67	DL24102133955
RB.RG.30133172012200	RIBBON GO 5 SD DC 13.3W 865 140 1M B1 IP67	DL24102134055
RB.RG.30060212052100	RIBBON GO 5 SD DC 6W 927 140 5M B2 IP67	DL24102134155
RB.RG.30092212052100	RIBBON GO 5 SD DC 9.2W 927 140 5M B2 IP67	DL24102134255
RB.RG.30167212052100	RIBBON GO 5 SD DC 16.7W 927 140 5M B2 IP67	DL24102134355
RB.RG.30060222052100	RIBBON GO 5 SD DC 6W 930 140 5M B2 IP67	DL24102134455
RB.RG.30092222052100	RIBBON GO 5 SD DC 9.2W 930 140 5M B2 IP67	DL24102134555
RB.RG.30167222052100	RIBBON GO 5 SD DC 16.7W 930 140 5M B2 IP67	DL24102134655
RB.RG.30060232052100	RIBBON GO 5 SD DC 6W 935 140 5M B2 IP67	DL24102134755
RB.RG.30092232052100	RIBBON GO 5 SD DC 9.2W 935 140 5M B2 IP67	DL24102134855
RB.RG.30167232052100	RIBBON GO 5 SD DC 16.7W 935 140 5M B2 IP67	DL24102134955
RB.RG.30060242052100	RIBBON GO 5 SD DC 6W 940 140 5M B2 IP67	DL24102135055
RB.RG.30092242052100	RIBBON GO 5 SD DC 9.2W 940 140 5M B2 IP67	DL24102135155
RB.RG.30167242052100	RIBBON GO 5 SD DC 16.7W 940 140 5M B2 IP67	DL24102135255
RB.RG.30060252052100	RIBBON GO 5 SD DC 6W 950 140 5M B2 IP67	DL24102135355
RB.RG.30092252052100	RIBBON GO 5 SD DC 9.2W 950 140 5M B2 IP67	DL24102135455
RB.RG.30167252052100	RIBBON GO 5 SD DC 16.7W 950 140 5M B2 IP67	DL24102135555
RB.RG.30060272052100	RIBBON GO 5 SD DC 6W 965 140 5M B2 IP67	DL24102135655
RB.RG.30092272052100	RIBBON GO 5 SD DC 9.2W 965 140 5M B2 IP67	DL24102135755
RB.RG.30167272052100	RIBBON GO 5 SD DC 16.7W 965 140 5M B2 IP67	DL24102135855
RB.RG.30060212012200	RIBBON GO 5 SD DC 6W 927 140 1M B1 IP67	DL24102135955
RB.RG.30092212012200	RIBBON GO 5 SD DC 9.2W 927 140 1M B1 IP67	DL24102136055
RB.RG.30167212012200	RIBBON GO 5 SD DC 16.7W 927 140 1M B1 IP67	DL24102136155
RB.RG.30060222012200	RIBBON GO 5 SD DC 6W 930 140 1M B1 IP67	DL24102136255
RB.RG.30092222012200	RIBBON GO 5 SD DC 9.2W 930 140 1M B1 IP67	DL24102136355
RB.RG.30167222012200	RIBBON GO 5 SD DC 16.7W 930 140 1M B1 IP67	DL24102136455
RB.RG.30060232012200	RIBBON GO 5 SD DC 6W 935 140 1M B1 IP67	DL24102136555
RB.RG.30092232012200	RIBBON GO 5 SD DC 9.2W 935 140 1M B1 IP67	DL24102136655
RB.RG.30167232012200	RIBBON GO 5 SD DC 16.7W 935 140 1M B1 IP67	DL24102136755
RB.RG.30060242012200	RIBBON GO 5 SD DC 6W 940 140 1M B1 IP67	DL24102136855
RB.RG.30092242012200	RIBBON GO 5 SD DC 9.2W 940 140 1M B1 IP67	DL24102136955
RB.RG.30167242012200	RIBBON GO 5 SD DC 16.7W 940 140 1M B1 IP67	DL24102137055
RB.RG.30060252012200	RIBBON GO 5 SD DC 6W 950 140 1M B1 IP67	DL24102137155



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Model No.	Description	Item Code
RB.RG.30092252012200	RIBBON GO 5 SD DC 9.2W 950 140 1M B1 IP67	DL24102137255
RB.RG.30167252012200	RIBBON GO 5 SD DC 16.7W 950 140 1M B1 IP67	DL24102137355
RB.RG.30060272012200	RIBBON GO 5 SD DC 6W 965 140 1M B1 IP67	DL24102137455
RB.RG.30092272012200	RIBBON GO 5 SD DC 9.2W 965 140 1M B1 IP67	DL24102137555
RB.RG.30167272012200	RIBBON GO 5 SD DC 16.7W 965 140 1M B1 IP67	DL24102137655
RB.RG.30150094052100	RIBBON GO 5 SD DC 15W RGB 84 5M B2 IP67	DL24102138255
RB.RG.301501B5052100	RIBBON GO 5 SD DC 15W RGBW840 168 5M B2 IP67	DL24102138355
RB.RG.301502B5052100	RIBBON GO 5 SD DC 15W RGBW940 168 5M B2 IP67	DL24102138455
RB.RG.30115186052100	RIBBON GO 5 SD DC 11.5W DW82765 196 5M B2 IP67	DL24102138555
RB.RG.30142286052100	RIBBON GO 5 SD DC 14.2W DW92765 196 5M B2 IP67	DL24102138655
RB.RG.30150094012200	RIBBON GO 5 SD DC 15W RGB 84 1M B1 IP67	DL24102139255
RB.RG.301501B5012200	RIBBON GO 5 SD DC 15W RGBW840 168 1M B1 IP67	DL24102139355
RB.RG.301502B5012200	RIBBON GO 5 SD DC 15W RGBW940 168 1M B1 IP67	DL24102139455
RB.RG.30115186012200	RIBBON GO 5 SD DC 11.5W DW82765 196 1M B1 IP67	DL24102139555
RB.RG.30142286012200	RIBBON GO 5 SD DC 14.2W DW92765 196 1M B1 IP67	DL24102139655

### TX Cutting Tools

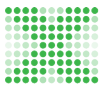
Description	Item Code
RIBBON GO 5 CUTTING TOOL	DA24102105655
RIBBON GO 5 SEALING GLUE 100ML	DA24102105755
RIBBON GO 5 SD FIELD CUT ENDCAP ASSY	DA24102141455
RIBBON GO 5 SD FIELD CUT ENDCAP 20PC	DA24102141655

### TX Connect

Description	Item Code
STARTER CABLE 5 SD 2PIN 300MM ASSY E W	DA24102140555
STARTER CABLE 5 SD 3PIN 300MM ASSY E DW	DA24102140655
STARTER CABLE 5 SD 4PIN 300MM ASSY E RGB	DA24102140755
STARTER CABLE 5 SD 5PIN 300MM ASSY E RGBW	DA24102140855
STARTER CABLE 5 SD 2PIN 300MM ASSY B W	DA24102140955
STARTER CABLE 5 SD 3PIN 300MM ASSY B DW	DA24102141055
STARTER CABLE 5 SD 4PIN 300MM ASSY B RGB	DA24102141155
STARTER CABLE 5 SD 5PIN 300MM ASSY B RGBW	DA24102141255

### TX Mounting

Description	Item Code
RIBBON GO 5 SD MOUNTING CLIP 10PC	DA24102141855
RIBBON GO 5 SD U-CHANNEL 980	DA24102142055
RIBBON GO 5 SD FLEXIBLE MOUNT STRIP 1M	DA24102142255



### TX Power Supply & Control

Description	Item Code
POWER SUPPLY 5 200W 24V ONOFF OUTDOOR	DA24102106955
POWER SUPPLY 5 120W 24V ONOFF INDOOR	DA24102107055
POWER SUPPLY 5 150W 24V 0-10 PWM INDOOR	DA24102107155
POWER SUPPLY 5 150W 24V 0-10 PWM DW INDOOR	DA24102107255
POWER SUPPLY 5 150W 24V DALI INDOOR	DA24102107355
POWER SUPPLY 5 150W 24V DALI DW INDOOR	DA24102107455
POWER SUPPLY 5 150W 24V DALI RGBW INDOOR	DA24102107555
RF REMOTE 5	DA24102107655
RF DIMMER 5 2.4G INDOOR	DA24102107755
RF REMOTE 5 DW	DA24102107855
RF DIMMER 5 2.4G DW INDOOR	DA24102107955
RF DIMMER 5 2.4G RGB INDOOR	DA24102108055
RF DIMMER 5 2.4G RGBW INDOOR	DA24102108155
RF REMOTE 5 RGBW	DA24102108255
DMX2PWM DIMMER 4CH	AM467260055
SYMPL ESSENTIAL2 NODE	AM466930031

