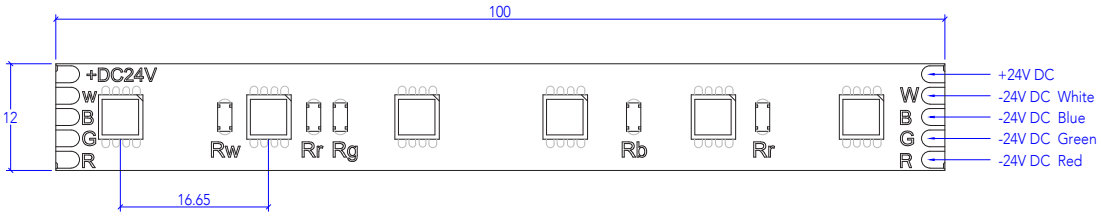
TOVO

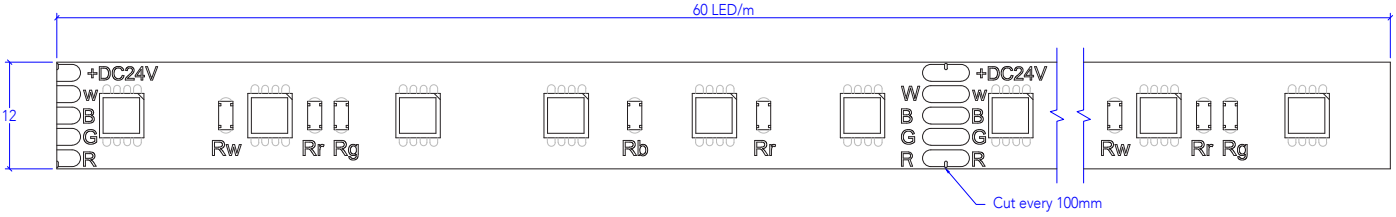


LED RIBBON _ COLOUR CHANGING RANGE

DESCRIPTION	Colour Changing LED Ribbon
CODES	6006_CC
COLOUR TEMP	RGB+2700K & RGB+6000K
CRI	≥90
WATTAGE/LUMENS	19W - 430Lm/m
EFFICACY	22Lm/W
FIXTURE VOLTAGE	24V DC Constant Voltage
DIMMING	Based On Driver Selection
DRIVER	Remote Driver Required
DRIVER OPTIONS	Non-Dim, Phase, Touch, DALI
IP RATING	IP20 / IP54

Notes:
All data stipulated are nominal values based on 2700K with accuracy of +/- 5%.
Standard length 5000mm.
150mm cables/tails provided on both ends.
Maximum length on one power feed is 5000mm.





LED RIBBON _ COLOUR CHANGING RANGE

MANUFACTURING OPTIONS

FIXTURE				DRIVER
CODE	WATTAGE	CCT	IP	DIMMING
6006_CC	**19W** - 19W per meter	**RGB/27** - RGB+2700K	**20** - IP20	**DA** - DALI
		RGB/60 - RGB+6000K	**54** - IP54	

Example Code: **6006_CC_19W_RGB/27_20_DA**

Notes:
For Colour Changing LED Ribbon only DALI drivers or interfaces with four or more outputs can be used.

EXTRUSION OPTIONS

STANDARD RANGE



6102_SC
Standard Corner

PREMIUM RANGE



4125
X2



4980
X8



4981
X9

SPECIALS



2568
PT50 Shadowline



5205
Flexi Channel

Notes:
Please refer to each specific extrusion's data sheet for detailed specifications.
When using Colour Changing LED ribbon in the X8 & X9 extrusions, the light will be fully diffused "dot free".
In all other extrusions "dots" will be visible.

WIRING INFORMATION

- Multiple 24V DC fixtures can be connected to a single driver in parallel only.
- The total connected load of a circuit should not exceed the maximum driver load rating.
- We recommend running drivers at 80% of their maximum load rating to ensure heat and output performance are maximized.
- The required DC cable size should be calculated based on the connected load, cable length, voltage and allowable voltage drop percentage.
- Maximum Amp rating of the selected cable should be considered based total connected load.
- We recommend using a twin Sheath Automotive cable with a high strand count where applicable.
- Please note that industry standard sizes do not match actual cable cross section area (CSA) measured in mm² that is required for voltage drop calculations.
- The Below table illustrates typical cable sizes in mm², connected loads in Watts and their associated maximum cable lengths in meter, based on a allowable voltage drop of 5%.

	0.50 mm²	0.75 mm²	1.00 mm²	1.50 mm²	2.50 mm²	4.00 mm²	6.00 mm²	10.00 mm²
10W	36m	55m	73m	108m	180m	290m	436m	753m
20W	18m	27m	36m	54m	90m	145m	218m	376m
30W	12m	18m	24m	36m	60m	96m	145m	251m
40W	9m	13m	18m	27m	45m	72m	109m	188m
50W	7m	11m	14m	21m	36m	58m	87m	150m
60W	6m	9m	12m	18m	30m	48m	72m	125m
70W	5m	7m	10m	15m	25m	41m	62m	107m
80W	4m	6m	9m	13m	22m	36m	54m	94m
90W	4m	6m	8m	12m	20m	32m	48m	83m
100W	3m	5m	7m	10m	18m	29m	43m	75m
110W	3m	5m	6m	9m	16m	26m	39m	68m
120W	3m	4m	6m	9m	15m	24m	36m	62m
130W	2m	4m	5m	8m	13m	22m	33m	57m
140W	2m	3m	5m	7m	12m	20m	31m	53m
150W	2m	3m	4m	7m	12m	19m	29m	50m
160W	2m	3m	4m	6m	11m	18m	27m	47m
170W	2m	3m	4m	6m	10m	17m	25m	44m
180W	2m	3m	4m	6m	10m	16m	24m	41m
190W	1m	2m	3m	5m	9m	15m	22m	39m
200W		2m	3m	5m	9m	14m	21m	37m

- The Below table illustrates typical Industry cable sizes/names and their exact cross section area (CSA) sizes in mm², connected loads in Watts and their associated maximum cable lengths in meter, based on a allowable voltage drop of 5%.

	2.0 mm	3.0 mm	4.0 mm	5.0 mm	6.0 mm	8 B&S	6 B&S
	0.56 mm²	1.13 mm²	1.84 mm²	2.90 mm²	4.59 mm²	7.71 mm²	13.50 mm²
10W	32m	91m	151m	240m	378m	600m	1028m
20W	16m	45m	75m	120m	189m	300m	514m
30W	10m	30m	50m	80m	126m	200m	342m
40W	8m	22m	37m	60m	94m	150m	257m
50W	6m	18m	30m	48m	75m	120m	205m
60W	5m	15m	25m	40m	63m	100m	171m
70W	4m	13m	21m	34m	54m	85m	146m
80W	4m	11m	18m	30m	47m	75m	128m
90W	3m	10m	16m	26m	42m	66m	114m
100W	3m	9m	15m	24m	37m	60m	102m
110W	2m	8m	13m	21m	34m	54m	93m
120W	2m	7m	12m	20m	31m	50m	85m
130W	2m	7m	11m	18m	29m	46m	79m
140W	2m	6m	10m	17m	27m	42m	73m
150W	2m	6m	10m	16m	25m	40m	68m
160W	2m	5m	9m	15m	23m	37m	64m
170W	1m	5m	8m	14m	22m	35m	60m
180W	1m	5m	8m	13m	21m	33m	57m
190W	1m	4m	7m	12m	19m	31m	54m
200W		4m	7m	12m	18m	30m	51m

Industry Size/Name
Cross Section Area (CSA)

If more specific calculations are required, please refer to the below link:

https://tovolighting.com.au/cable-calculator