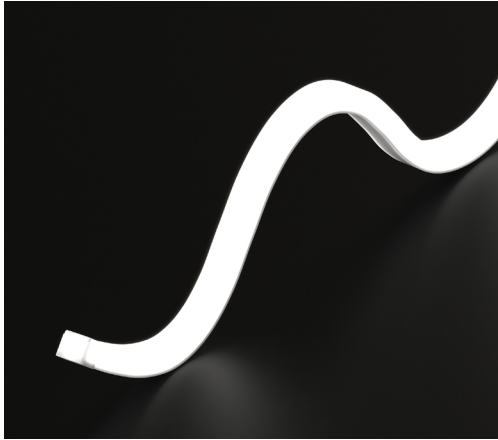


Kurba Large 3-Side Emitting Dynamic Color



Features

Kurba 3 Side Emitting is a direct view, small profile, energy efficient and flexible LED strip suitable for wet locations capable of vertical bends up to 300mm diameter. Built with robust factory made power feeds or joiners, Kurba 3 Side Emitting mounts to a specifically designed aluminum extruded channel.

Output Options

- Tunable White allows individual control of CCT and output
- RGB options offer balanced output across the color gamut and a true white with RGBW

Average Life (L70)

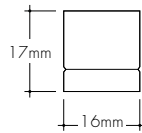
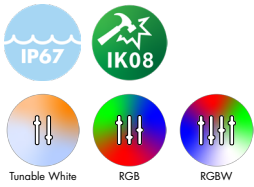
50,000 hours

Approvals

CE, UKCA, UL, Class 2, IP67

Warranty

5 years



Finish Options

Base White



Technical Information

Bending Direction	Vertical		
Output	TW4450	RGB2650	RGBW2650
Light Output, 80 CRI	846 lm/m	640 lm/m	1037 lm/m
Average Power Consumption	12 W/m	12 W/m	15 W/m
Efficacy	70 lm/W	53 lm/W	69 lm/W
Ordering Increment	83.33 mm	83.33 mm	83.33 mm
Maximum Run Length (In Series)	8.0 m	8.0 m	6.0 m
Operating Temperature Range	-40°C to 55°C	-40°C to 55°C	-40°C to 45°C
Control/Dimming Protocol	DALI	DALI / DMX	DALI / DMX

TUNABLE WHITE CCT INFO / LUMEN MULTIPLIER

Color Temperature	80 CRI Multiplier	90 CRI Multiplier
2200K - 5700K	1.00	0.80

Ordering Code

MODEL	BEND DIRECTION	LENGTH	OUTPUT	CCT	CRI	LENS	MOUNTING	FINISH	FEED POSITION LEFT	FEED POSITION RIGHT
KBL-W - Kurba Large Wet	VB - Vertical Bending	SEE PAGE 5 - 7	TW4450 - Tunable White, Standard Output	22K57K - 2200K-5700K	R80 - 80 CRI R90 - 90 CRI	3SF - 3-Side Emitting, Silicone Frosted	NA - See Page 4 for orderable mounting accessories	WH - White	INJECTION MOLD IME - End Feed 1 IMB - Back Feed 1 IMSA - Side A Feed IMSB - Side B Feed NPF - No Power Feed ¹	INJECTION MOLD IME - End Feed 1 IMB - Back Feed 1 IMSA - Side A Feed IMSB - Side B Feed NPF - No Power Feed ¹
			RGB2650 - RGB, Standard Output	RGB - Red, Green, Blue	R80 - 80 CRI					
			RGBW2650 - RGBW, Standard Output	RGB27K - RGB 2700K RGB30K - RGB 3000K RGB40K - RGB 4000K	R80 - 80 CRI					

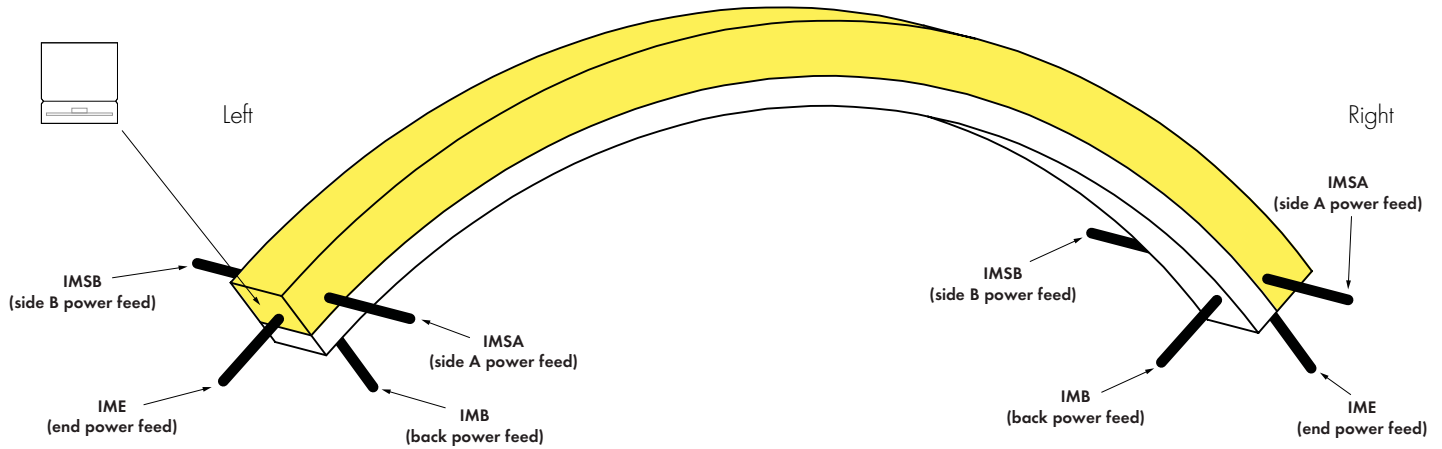
Feeds come with 3m wire leads

1 - NPF-NPF for Feed Position 1&2 is not a valid configuration option



Powerfeeds and Connectors

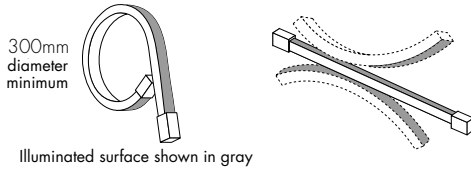
Power Feed Position Options and Orientation



Constraints

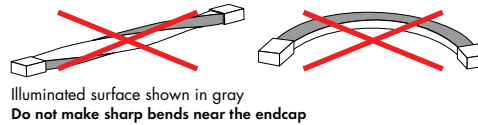
Vertical Bend Direction

Bend LED in these positions only to avoid damage



Horizontal Prohibited Bends

Twisting or bending LED in these positions will cause damage

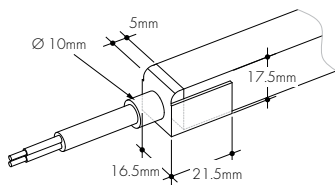


Linking and Extension Cable Options

END CONNECTOR

Injection-molded End Connector

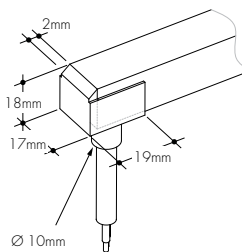
-IME



BACK CONNECTOR

Injection-molded Back Connector

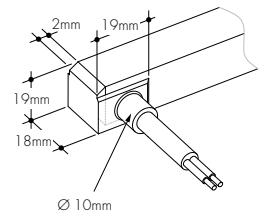
-IMB



SIDE CONNECTOR

Injection-molded Side Connector

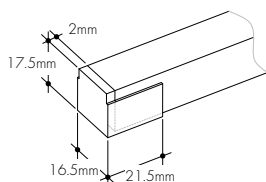
-IMSA and -IMSB



ENDCAP (NO CONNECTOR)

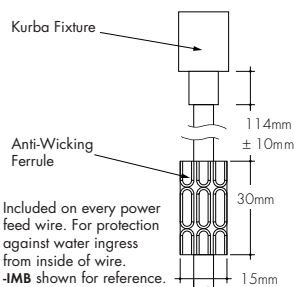
Injection-molded Cap (No Connector)

-NPF



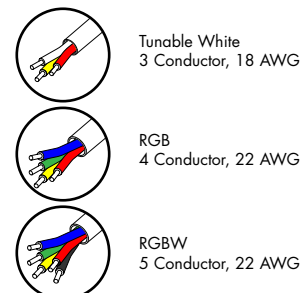
ANTI-WICKING FERRULE

Included on every power feed wire

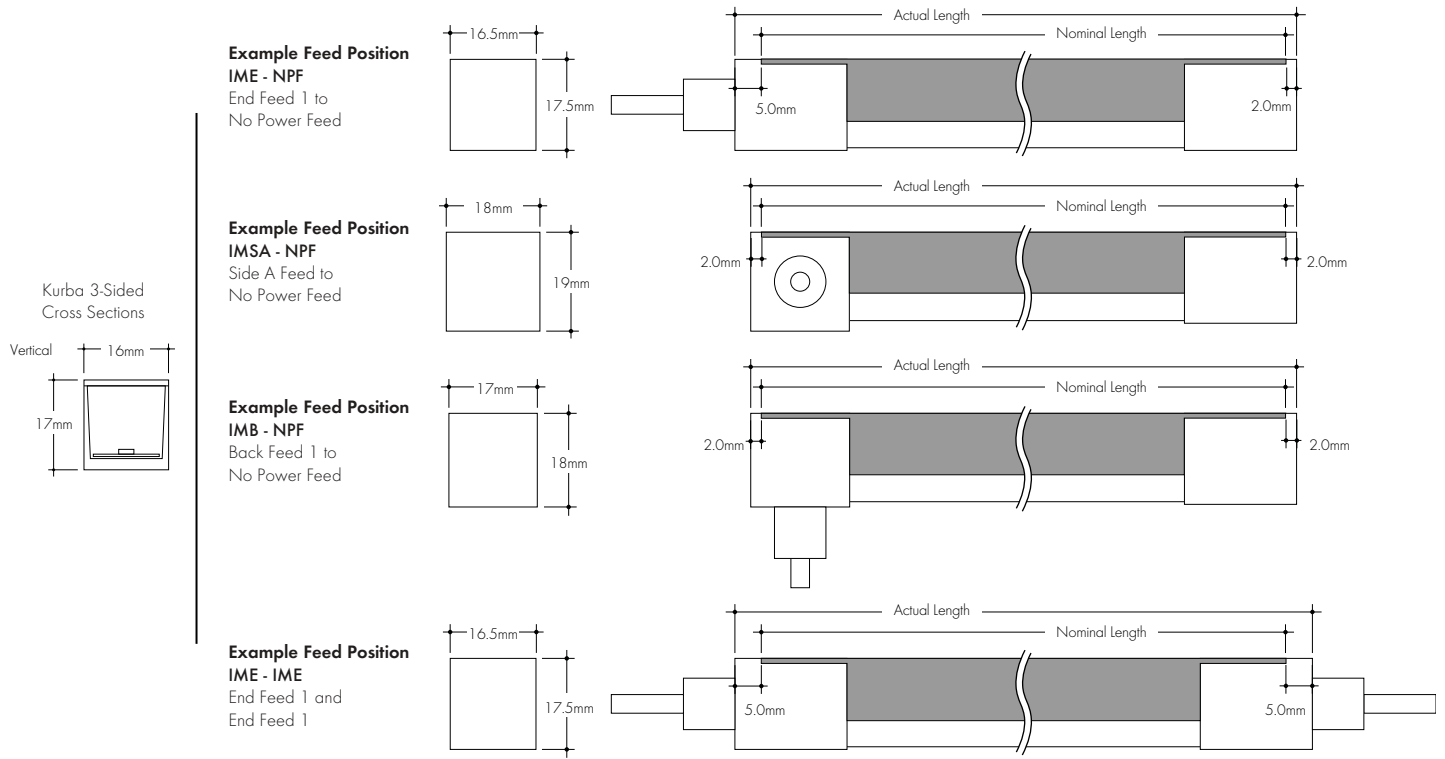


POWER FEED OPTIONS

Feeds come with 3m wire leads

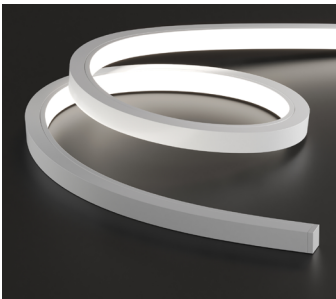


Product Dimensions



Finish Options

**White
Base**



Kurba's base finish is a crisp white which brings a timeless, clean aesthetic that brightens and enhances any space



Light Transmission and Dotting

	Lens/Finish
Output Options	Silicone Frosted/ White Finish
TW44SO	ND
RGB26SO	ND
RGBW26SO	ND
Transmission Percentage	100%

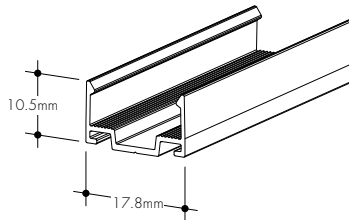


CD **SD** **ND**
CD - Clear Dotting
SD - Slight Dotting
ND - No Dotting

Mounting Accessories and Optional Connectors

MC-KBL-3SF-AP-SM-20MM-SA

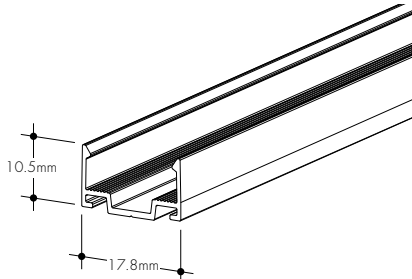
KBL 3-Side Emitting Mounting Channel, Aluminum Profile, Surface Mount, 20mm, Silver Anodized



Includes 1 mounting screw

MC-KBL-3SF-AP-SM-2M-SA

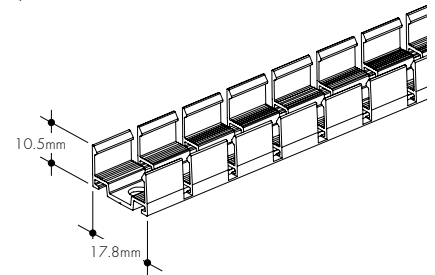
KBL 3-Side Emitting Mounting Channel, Aluminum Profile, Surface Mount, 2m, Silver Anodized



Includes 10 mounting screws

MC-KBL-3SF-BAP-VB-SM-1M-SA

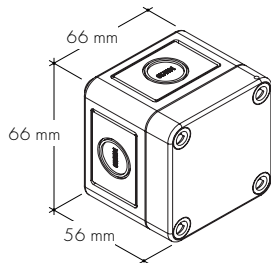
KBL 3-Side Emitting Mounting Channel, Bendable Aluminum Profile, Vertical Bending, Surface Mount, 1m, Silver Anodized



Channel Bending Diameter is 300mm in both directions.
Includes 10 mounting screws

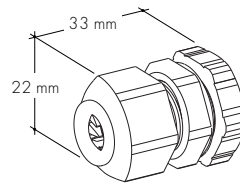
LVSP-IP66

Splice box: wet rated, low voltage, gray, IP66



LVSP-IP66-CM

Connector for splice box, low voltage for cable management, gray, IP66



TW44SO | Orderable Length Chart

Use Actual Length for Order Code Entry

Tolerance for Actual Lengths less than 1.8m is +/- 5mm, Actual Lengths between 1.8m and 4.8m is +/- 7.6mm, and Actual Lengths greater than 4.8m is +/- 15mm

A - End Connector at both ends of Kurba (5mm + 5mm added to overall length)

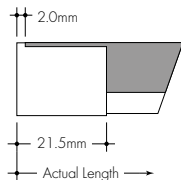
B - End Connector at one end of Kurba and No Connector or Back Connector or Side Connector at other end of Kurba (5mm + 2mm added to overall length)

C - Any combination of No Connector, Back Connector, or Side Connector on each end of Kurba (2mm + 2mm added to overall length)

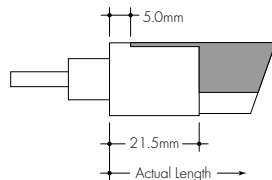
Nominal Length (m)	Actual Length (m)			Nominal Length (m)	Actual Length (m)			Nominal Length (m)	Actual Length (m)		
	A	B	C		A	B	C		A	B	C
0.20	0.177	0.174	0.171	3.20	3.177	3.174	3.171	6.20	6.177	6.174	6.170
0.25	0.260	0.257	0.254	3.25	3.260	3.257	3.254	6.25	6.260	6.257	6.254
0.35	0.343	0.340	0.337	3.35	3.343	3.340	3.337	6.35	6.343	6.340	6.337
0.45	0.427	0.424	0.421	3.45	3.427	3.424	3.421	6.45	6.427	6.424	6.420
0.50	0.510	0.507	0.504	3.50	3.510	3.507	3.504	6.50	6.510	6.507	6.504
0.60	0.593	0.590	0.587	3.60	3.593	3.590	3.587	6.60	6.593	6.590	6.587
0.70	0.677	0.674	0.671	3.70	3.677	3.674	3.671	6.70	6.677	6.674	6.670
0.75	0.760	0.757	0.754	3.75	3.760	3.757	3.754	6.75	6.760	6.757	6.754
0.85	0.843	0.840	0.837	3.85	3.843	3.840	3.837	6.85	6.843	6.840	6.837
0.95	0.927	0.924	0.921	3.95	3.927	3.924	3.921	6.95	6.927	6.924	6.920
1.00	1.010	1.007	1.004	4.00	4.010	4.007	4.004	7.00	7.010	7.007	7.004
1.10	1.093	1.090	1.087	4.10	4.093	4.090	4.087	7.10	7.093	7.090	7.087
1.20	1.177	1.174	1.171	4.20	4.177	4.174	4.171	7.20	7.177	7.173	7.170
1.25	1.260	1.257	1.254	4.25	4.260	4.257	4.254	7.25	7.260	7.257	7.254
1.35	1.343	1.340	1.337	4.35	4.343	4.340	4.337	7.35	7.343	7.340	7.337
1.45	1.427	1.424	1.421	4.45	4.427	4.424	4.421	7.45	7.427	7.423	7.420
1.50	1.510	1.507	1.504	4.50	4.510	4.507	4.504	7.50	7.510	7.507	7.504
1.60	1.593	1.590	1.587	4.60	4.593	4.590	4.587	7.60	7.593	7.590	7.587
1.70	1.677	1.674	1.671	4.70	4.677	4.674	4.671	7.70	7.677	7.673	7.670
1.75	1.760	1.757	1.754	4.75	4.760	4.757	4.754	7.75	7.760	7.757	7.754
1.85	1.843	1.840	1.837	4.85	4.843	4.840	4.837	7.85	7.843	7.840	7.837
1.95	1.927	1.924	1.921	4.95	4.927	4.924	4.921	7.95	7.927	7.923	7.920
2.00	2.010	2.007	2.004	5.00	5.010	5.007	5.004				
2.10	2.093	2.090	2.087	5.10	5.093	5.090	5.087				
2.20	2.177	2.174	2.171	5.20	5.177	5.174	5.171				
2.25	2.260	2.257	2.254	5.25	5.260	5.257	5.254				
2.35	2.343	2.340	2.337	5.35	5.343	5.340	5.337				
2.45	2.427	2.424	2.421	5.45	5.427	5.424	5.421				
2.50	2.510	2.507	2.504	5.50	5.510	5.507	5.504				
2.60	2.593	2.590	2.587	5.60	5.593	5.590	5.587				
2.70	2.677	2.674	2.671	5.70	5.677	5.674	5.671				
2.75	2.760	2.757	2.754	5.75	5.760	5.757	5.754				
2.85	2.843	2.840	2.837	5.85	5.843	5.840	5.837				
2.95	2.927	2.924	2.921	5.95	5.927	5.924	5.920				
3.00	3.010	3.007	3.004	6.00	6.010	6.007	6.004				
3.10	3.093	3.090	3.087	6.10	6.093	6.090	6.087				

Note: all values are rounded to the nearest 2.5mm

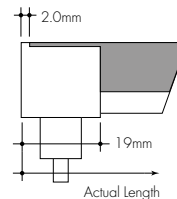
Injection Molded End Cap (IME)



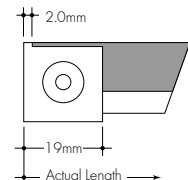
Injection Molded End Power Feed (IME)



Injection Molded Bottom Power Feed (IMB)



Injection Molded Side Power Feed (IMSA)



RGB26SO | Orderable Length Chart

Use Actual Length for Order Code Entry

Tolerance for Actual Lengths less than 1.8m is +/- 5mm, Actual Lengths between 1.8m and 4.8m is +/- 7.6mm, and Actual Lengths greater than 4.8m is +/- 15mm

A - End Connector at both ends of Kurba (5mm + 5mm added to overall length)

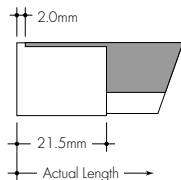
B - End Connector at one end of Kurba and No Connector or Back Connector or Side Connector at other end of Kurba (5mm + 2mm added to overall length)

C - Any combination of No Connector, Back Connector, or Side Connector on each end of Kurba (2mm + 2mm added to overall length)

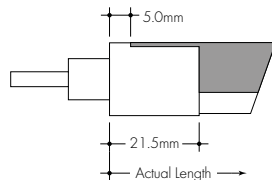
Nominal Length (m)	Actual Length (m)			Nominal Length (m)	Actual Length (m)			Nominal Length (m)	Actual Length (m)		
	A	B	C		A	B	C		A	B	C
0.20	0.177	0.174	0.171	3.20	3.177	3.174	3.171	6.20	6.177	6.174	6.170
0.25	0.260	0.257	0.254	3.25	3.260	3.257	3.254	6.25	6.260	6.257	6.254
0.35	0.343	0.340	0.337	3.35	3.343	3.340	3.337	6.35	6.343	6.340	6.337
0.45	0.427	0.424	0.421	3.45	3.427	3.424	3.421	6.45	6.427	6.424	6.420
0.50	0.510	0.507	0.504	3.50	3.510	3.507	3.504	6.50	6.510	6.507	6.504
0.60	0.593	0.590	0.587	3.60	3.593	3.590	3.587	6.60	6.593	6.590	6.587
0.70	0.677	0.674	0.671	3.70	3.677	3.674	3.671	6.70	6.677	6.674	6.670
0.75	0.760	0.757	0.754	3.75	3.760	3.757	3.754	6.75	6.760	6.757	6.754
0.85	0.843	0.840	0.837	3.85	3.843	3.840	3.837	6.85	6.843	6.840	6.837
0.95	0.927	0.924	0.921	3.95	3.927	3.924	3.921	6.95	6.927	6.924	6.920
1.00	1.010	1.007	1.004	4.00	4.010	4.007	4.004	7.00	7.010	7.007	7.004
1.10	1.093	1.090	1.087	4.10	4.093	4.090	4.087	7.10	7.093	7.090	7.087
1.20	1.177	1.174	1.171	4.20	4.177	4.174	4.171	7.20	7.177	7.173	7.170
1.25	1.260	1.257	1.254	4.25	4.260	4.257	4.254	7.25	7.260	7.257	7.254
1.35	1.343	1.340	1.337	4.35	4.343	4.340	4.337	7.35	7.343	7.340	7.337
1.45	1.427	1.424	1.421	4.45	4.427	4.424	4.421	7.45	7.427	7.423	7.420
1.50	1.510	1.507	1.504	4.50	4.510	4.507	4.504	7.50	7.510	7.507	7.504
1.60	1.593	1.590	1.587	4.60	4.593	4.590	4.587	7.60	7.593	7.590	7.587
1.70	1.677	1.674	1.671	4.70	4.677	4.674	4.671	7.70	7.677	7.673	7.670
1.75	1.760	1.757	1.754	4.75	4.760	4.757	4.754	7.75	7.760	7.757	7.754
1.85	1.843	1.840	1.837	4.85	4.843	4.840	4.837	7.85	7.843	7.840	7.837
1.95	1.927	1.924	1.921	4.95	4.927	4.924	4.921	7.95	7.927	7.923	7.920
2.00	2.010	2.007	2.004	5.00	5.010	5.007	5.004				
2.10	2.093	2.090	2.087	5.10	5.093	5.090	5.087				
2.20	2.177	2.174	2.171	5.20	5.177	5.174	5.171				
2.25	2.260	2.257	2.254	5.25	5.260	5.257	5.254				
2.35	2.343	2.340	2.337	5.35	5.343	5.340	5.337				
2.45	2.427	2.424	2.421	5.45	5.427	5.424	5.421				
2.50	2.510	2.507	2.504	5.50	5.510	5.507	5.504				
2.60	2.593	2.590	2.587	5.60	5.593	5.590	5.587				
2.70	2.677	2.674	2.671	5.70	5.677	5.674	5.671				
2.75	2.760	2.757	2.754	5.75	5.760	5.757	5.754				
2.85	2.843	2.840	2.837	5.85	5.843	5.840	5.837				
2.95	2.927	2.924	2.921	5.95	5.927	5.924	5.920				
3.00	3.010	3.007	3.004	6.00	6.010	6.007	6.004				
3.10	3.093	3.090	3.087	6.10	6.093	6.090	6.087				

Note: all values are rounded to the nearest 2.5mm

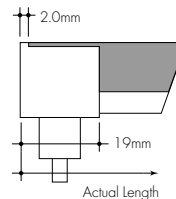
Injection Molded End Cap (IME)



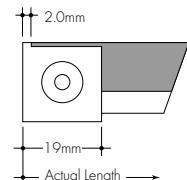
Injection Molded End Power Feed (IME)



Injection Molded Bottom Power Feed (IMB)



Injection Molded Side Power Feed (IMSA)



RGBW26SO | Orderable Length Chart

Use Actual Length for Order Code Entry

Tolerance for Actual Lengths less than 1.8m is +/- 5mm, Actual Lengths between 1.8m and 4.8m is +/- 7.6mm, and Actual Lengths greater than 4.8m is +/- 15mm

A - End Connector at both ends of Kurba (5mm + 5mm added to overall length)

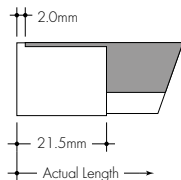
B - End Connector at one end of Kurba and No Connector or Back Connector or Side Connector at other end of Kurba (5mm + 2mm added to overall length)

C - Any combination of No Connector, Back Connector, or Side Connector on each end of Kurba (2mm + 2mm added to overall length)

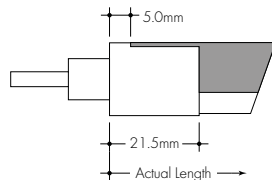
Nominal Length (m)	Actual Length (m)			Nominal Length (m)	Actual Length (m)			Nominal Length (m)	Actual Length (m)		
	A	B	C		A	B	C		A	B	C
0.20	0.177	0.174	0.171	2.70	2.677	2.674	2.671	5.20	5.177	5.174	5.171
0.25	0.260	0.257	0.254	2.75	2.760	2.757	2.754	5.25	5.260	5.257	5.254
0.35	0.343	0.340	0.337	2.85	2.843	2.840	2.837	5.35	5.343	5.340	5.337
0.45	0.427	0.424	0.421	2.95	2.927	2.924	2.921	5.45	5.427	5.424	5.421
0.50	0.510	0.507	0.504	3.00	3.010	3.007	3.004	5.50	5.510	5.507	5.504
0.60	0.593	0.590	0.587	3.10	3.093	3.090	3.087	5.60	5.593	5.590	5.587
0.70	0.677	0.674	0.671	3.20	3.177	3.174	3.171	5.70	5.677	5.674	5.671
0.75	0.760	0.757	0.754	3.25	3.260	3.257	3.254	5.75	5.760	5.757	5.754
0.85	0.843	0.840	0.837	3.35	3.343	3.340	3.337	5.85	5.843	5.840	5.837
0.95	0.927	0.924	0.921	3.45	3.427	3.424	3.421	5.95	5.927	5.924	5.921
1.00	1.010	1.007	1.004	3.50	3.510	3.507	3.504	6.00	6.010	6.007	6.004
1.10	1.093	1.090	1.087	3.60	3.593	3.590	3.587	6.10	6.093	6.090	6.087
1.20	1.177	1.174	1.171	3.70	3.677	3.674	3.671	6.20	6.177	6.174	6.170
1.25	1.260	1.257	1.254	3.75	3.760	3.757	3.754	6.25	6.260	6.257	6.254
1.35	1.343	1.340	1.337	3.85	3.843	3.840	3.837	6.35	6.343	6.340	6.337
1.45	1.427	1.424	1.421	3.95	3.927	3.924	3.921				
1.50	1.510	1.507	1.504	4.00	4.010	4.007	4.004				
1.60	1.593	1.590	1.587	4.10	4.093	4.090	4.087				
1.70	1.677	1.674	1.671	4.20	4.177	4.174	4.171				
1.75	1.760	1.757	1.754	4.25	4.260	4.257	4.254				
1.85	1.843	1.840	1.837	4.35	4.343	4.340	4.337				
1.95	1.927	1.924	1.921	4.45	4.427	4.424	4.421				
2.00	2.010	2.007	2.004	4.50	4.510	4.507	4.504				
2.10	2.093	2.090	2.087	4.60	4.593	4.590	4.587				
2.20	2.177	2.174	2.171	4.70	4.677	4.674	4.671				
2.25	2.260	2.257	2.254	4.75	4.760	4.757	4.754				
2.35	2.343	2.340	2.337	4.85	4.843	4.840	4.837				
2.45	2.427	2.424	2.421	4.95	4.927	4.924	4.921				
2.50	2.510	2.507	2.504	5.00	5.010	5.007	5.004				
2.60	2.593	2.590	2.587	5.10	5.093	5.090	5.087				

Note: all values are rounded to the nearest 2.5mm

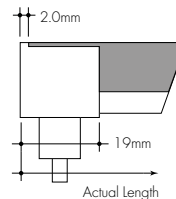
Injection Molded End Cap (IME)



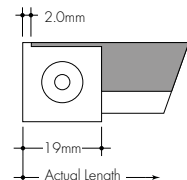
Injection Molded End Power Feed (IME)



Injection Molded Bottom Power Feed (IMB)



Injection Molded Side Power Feed (IMSA)



Lifetime and Environmental

At Luminii, we design our linear LED systems with longevity and responsible material use in mind. Our products are engineered to be serviceable and adaptable, with modular components such as drivers and controls that can be replaced or upgraded without full system replacement.

We are actively reducing the environmental impact of our packaging by transitioning to paper-based solutions for reels, bags, and outer packaging wherever possible, while minimising material use and avoiding mixed materials to improve recyclability.

We prioritise the use of recyclable materials in both our products and packaging, and encourage responsible disposal in line with local recycling and WEEE regulations.

CIBSE TM65	24.06kg CO ₂ e(1m)	UK PART L	
CIBSE TM66	2.1	Part L1A / L1B (Dwellings) ≥75 lm/W source lumens	Compliant 96 lm/W Source lm (1156lm) / Source W (12W)
RoHS Compliance	Yes	Part L2A (General) ≥95lm/W delivered lumens	-
REACH Compliance	Yes	Part L2A (Display) ≥80 lm/W source lumens	Compliant 96 lm/W Source lm (1156lm) / Source W (12W)
WEEE Compliance	Yes - Registered Producer	Notes: Part L data for Tunable White	
Declare	Declared		
Lifetime	L90B10 100,000hrs		
Warranty	5 Years		



Power Supplies for UK, EU, Middle East, Asia and Pacific

Tunable White - DALI 2 | Remote | Constant Voltage

Input Voltage	230V AC 50/60 Hz
Driver Type	Remote Constant Voltage
Location	IP20 Indoor Location Only
Dimming Control	DALI or DALI 2
Min. Dim Level	0.1%
Flicker	IEEE 1789 Compatible No Observable Effect

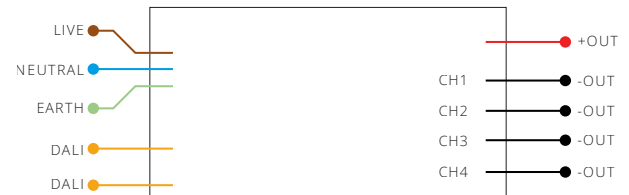


MODELS	TYPE & CCT RANGE	75W	150W	240W
Order Code	DT6 1800-3000K	PSCV-75-24-18K30K-DT6-LT	PSCV-150-24-18K30K-DT6-LT	PSCV-240-24-18K30K-DT6-LT
	DT8 1800-3000K	PSCV-75-24-18K30K-DT8-LT	PSCV-150-24-18K30K-DT8-LT	PSCV-240-24-18K30K-DT8-LT
	DT6 2700-6500K	PSCV-75-24-27K65K-DT6-LT	PSCV-150-24-27K65K-DT6-LT	PSCV-240-24-27K65K-DT6-LT
	DT8 2700-6500K	PSCV-75-24-27K65K-DT8-LT	PSCV-150-24-27K65K-DT8-LT	PSCV-240-24-27K65K-DT8-LT
Length (mm)		295	352	380
Width (mm)		35	35	50
Depth (mm)		30	30	30

DT8 is recommended for new DALI-2 compatible tunable white installations. DT8 uses one DALI address to provide native control of both brightness and colour temperature. DT6 is provided for legacy compatibility, where older DALI systems or third-party BMS platforms do not support DT8 colour control. DT6 tunable white control typically uses two DALI addresses/channels, with the control system mixing warm and cool outputs to achieve the required CCT.

RGB / RGBW - DALI / DMX | Remote | Constant Voltage

Input Voltage	230V AC 50/60 Hz
Driver Type	Remote Constant Voltage
Location	IP20 Indoor Location Only
Dimming Control	DALI / DMX Selectable
Min. Dim Level	0.1%
Flicker	IEEE 1789 Compatible No Observable Effect



MODELS	100W
Order Code	PSCV-100-24-D-EL
Length (mm)	388
Width (mm)	42
Depth (mm)	30

PSU can be configured for either DALI or DMX control. It is intended for colour-changing products with separately controllable red, green, blue and optional white channels. This PSU is not suitable for pixel-control products, where individual LEDs or sections of the strip require separate addressable control.



Max Series Run Length and Voltage Drop

The maximum series run length must not be exceeded. LED strips must be cut and re-fed from the power supply if the required length exceeds this. Maximum series run lengths can be found on page 1 and vary per output.

Voltage drop must not exceed 3% between the PSU and start of the LED strip. Click or scan the QR code to visit our online voltage drop calculator.

