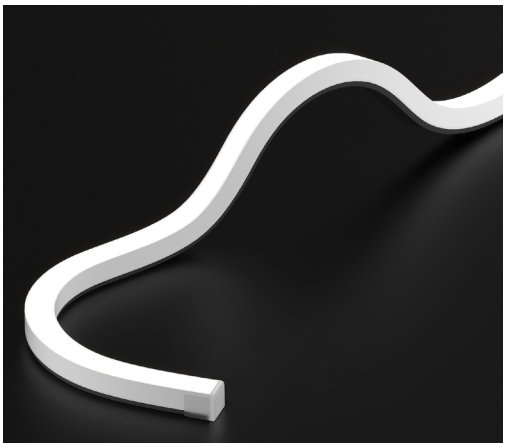
Kurba Large 3D Bending Dynamic Color



Features

Kurba Large 3D Bending is a dot free direct view, highly versatile, energy efficient and flexible LED strip suitable for outdoor wet locations capable of horizontal/side bends and vertical/top bends with a 300mm bending diameter. The silicone material offers excellent heat, weather, UV, and solvent resistance and has a special coating to repel dust and dirt accumulation.

Applications
Indoor/Outdoor dry & wet location

Materials
Silicone for red list approved, as well as heat, weather, UV, and solvent resistance

Dimming
Dimable down to 1%. Dot Free even illumination.

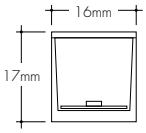
Average Life (L70)
50,000 hours

Approvals
CE, UKCA, UL, Class 2, IP68

Warranty
5 years

IP68

Tunable White



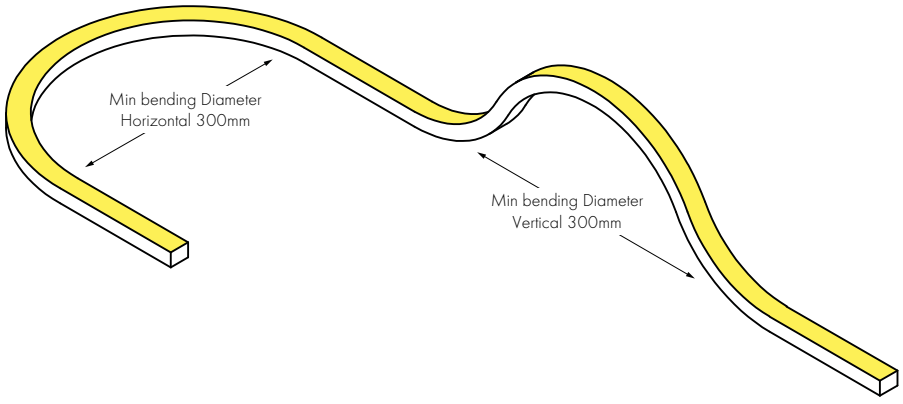
Finish Options

Base ☐ White

Technical Information

Bending Direction	**3D**
Output	**TW94SO**
Light Output	614 lm/m
Average Power Consumption	12 W/m
Efficacy	51 lm/W
Ordering Increment	45.45 mm
Maximum Run Length (In Series)	6.0 m
Operating Temperature	-40°C to 55°C
Control/Dimming Protocol	DALI

Constraints



NOTE: Do not Twist.
Do not make sharp bends close to the endcaps.

Ordering Code

MODEL	BEND DIRECTION	LENGTH	OUTPUT[1]	CCT	CRI	LENS	MOUNTING	FINISH	FEED POSITION LEFT	FEED POSITION RIGHT
KBL-W - Kurba Large, Wet	3D - 3D Bending	SEE PAGE 5	TW94SO - Tunable White, Standard Output	27K57K - Tunable White, 2700K-5700K	R90 - 90 CRI	SF - Silicone Frosted	NA - See Page 4 for orderable mounting accessories	WH - White	INJECTION MOLD IME - End Feed 1 IMB - Back Feed 1 IMSA - Side 1 Feed IMSB - Side 2 Feed NPF - No Power Feed[1]	INJECTION MOLD IME - End Feed 1 IMB - Back Feed 1 IMSA - Side 1 Feed IMSB - Side 2 Feed NPF - No Power Feed[1]

Feeds come with 3m wire leads

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

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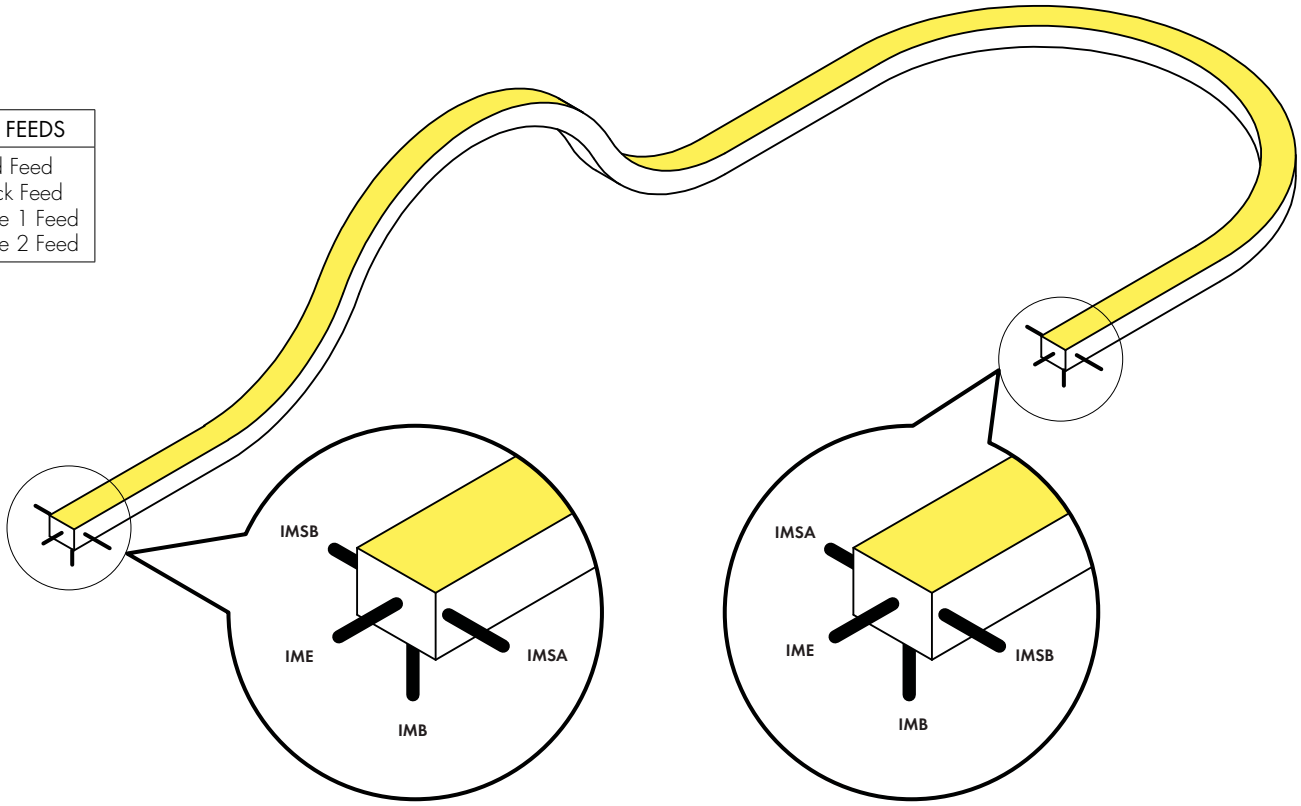
Powerfeeds and Connectors

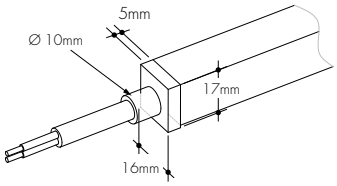
Power Feed Position Options and Orientation

POWER FEEDS
IME - End Feed
IMB - Back Feed
IMSA - Side 1 Feed
IMSB - Side 2 Feed

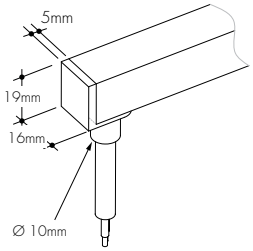


Linking and Extension Cable Options

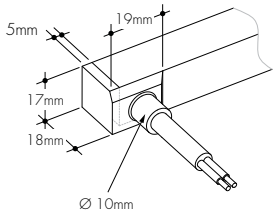
END CONNECTOR
Injection-molded End Connector
-IME



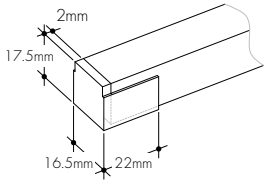
BACK CONNECTOR
Injection-molded Back Connector
-IMB



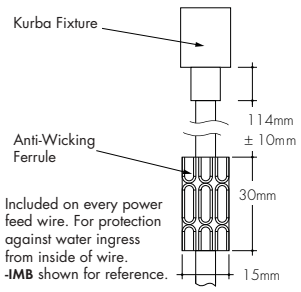
SIDE CONNECTOR
Injection-molded Side Connector
-IMSA and **-IMSB**



ENDCAP (NO CONNECTOR)
Injection-molded Cap (No Connector)
-NPF



ANTI-WICKING FERRULE
Included on every power feed wire



POWER FEED OPTIONS
Feeds come wtih 3m wire leads

WH

Tunable White
3 Conductor, 18 AWG

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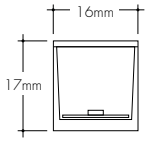
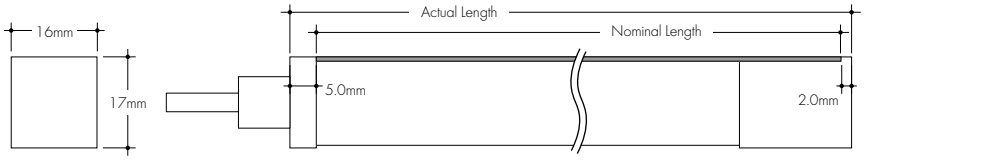
Product Dimensions

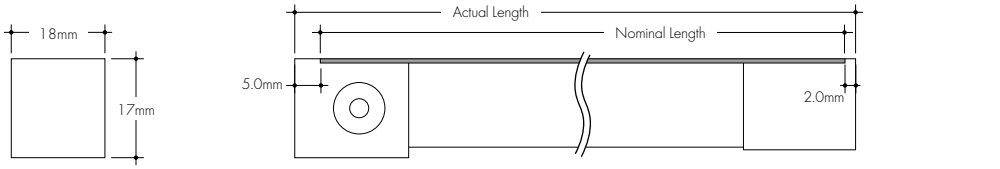
Kurba Large 3D
Cross Sections



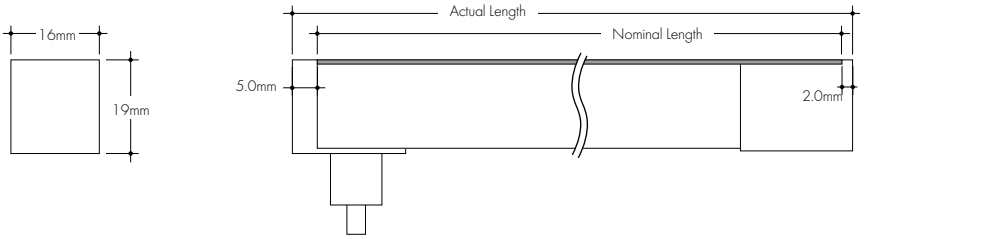
Example Feed Position
IME - NPF
End Feed 1 to
No Power Feed



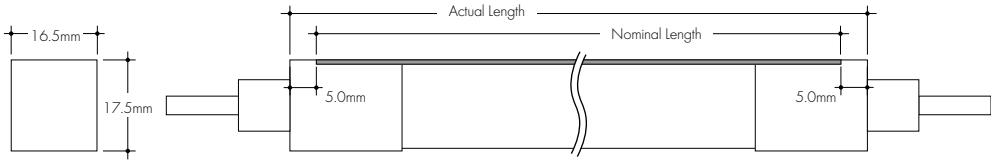
Example Feed Position
IMSA - NPF
Side 1 Feed to
No Power Feed



Example Feed Position
IMB - NPF
Back Feed 1 to
No Power Feed



Example Feed Position
IME - IME
End Feed 1 and
End Feed 1



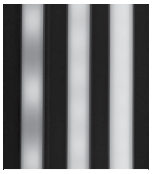
Finish Options

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/Accessory
Output Options	**Silicone Frosted/ White Finish**
TW94SO	ND
Transmission Percentage	100%

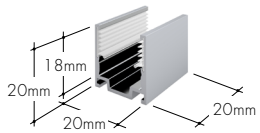


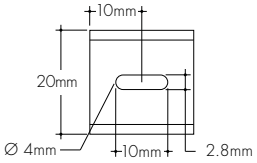
CD **SD** **ND**

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

Mounting Accessories

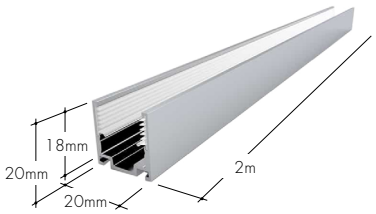
MC-KBL-SAP-SM-20MM-SA
KBL Mounting Clip, Serrated Aluminum Profile, Surface Mount, 20mm, Silver Anodized

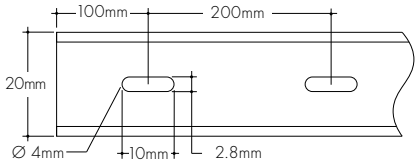




For use with light strip mounted to the ceiling.
1 recommended every 200mm.

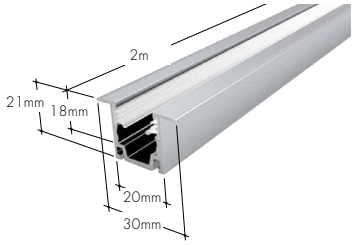
MC-KBL-SAP-SM-2M-SA
KBL Mounting Channel, Serrated Aluminum Profile, Surface Mount, 2m, Silver Anodized

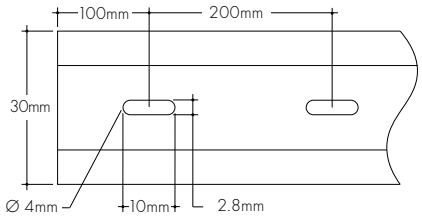




For use with light strip mounted to the ceiling.

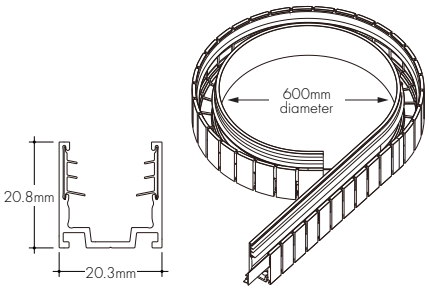
MC-KBL-FSAP-TR-2M-SA
KBL Mounting Channel, Flanged Serrated Aluminum Profile, Trimmed Recessed Mount, 2m, Silver Anodized





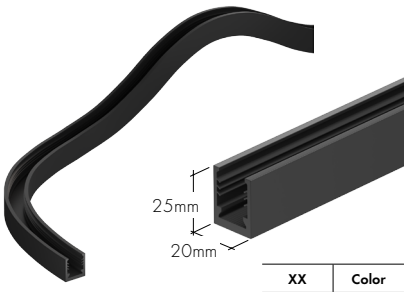
Flanged aluminum mounting channel providing grip.
For use with light strip recessed into the ceiling.

MC-KBL-BSAP-HB-SM-1M-SA
KBL Mounting Channel, Bendable Serrated Aluminum Profile, Horizontal Bending, Surface Mount, 1m, Silver Anodized



For use with light strip mounted to the ceiling. Mounting Channel Bending Diameter is 600mm in opposite direction.
Includes 10 mounting screws
NOTE: For use with **HB** - Horizontal Bend only.

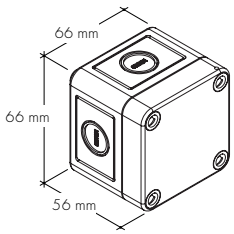
MC-KBL-BANP-3D-SM-1M-XX
KBL Mounting Channel, Bendable Silicone Profile, 3D Bending, Surface Mount, 1m, 300mm bending diameter



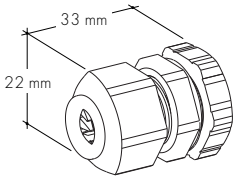
XX	Color
WH	White
BK	Black

Includes 12 mounting screws

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



LVSP-IP66-CM
Connector for splice box, low voltage for cable management, gray, IP66



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Kurba Large 3D Bending Dynamic Color

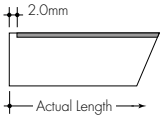
TW94SO | Orderable Length Chart

Use Acutal 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 - Power Feeds at both ends of Kurba (5mm + 5mm added to overall length)
B - Powerfeed at one end of Kurba and No Power Feed (NPF) at other end of Kurba (5mm +2mm added to overall length)

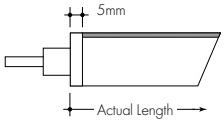
	Actual Length (m)			Actual Length (m)			Actual Length (m)			Actual Length (m)	
Nominal Length (m)	A	B	Nominal Length (m)	A	B	Nominal Length (m)	A	B	Nominal Length (m)	A	B
0.20	0.191	0.188	**1.85**	1.827	1.825	**3.45**	3.463	3.461	**5.10**	5.100	5.097
0.25	0.236	0.234	**1.85**	1.873	1.870	**3.50**	3.509	3.506	**5.15**	5.145	5.142
0.30	0.282	0.279	**1.90**	1.918	1.916	**3.55**	3.554	3.552	**5.20**	5.190	5.188
0.35	0.327	0.325	**1.95**	1.963	1.961	**3.60**	3.600	3.597	**5.25**	5.236	5.233
0.35	0.373	0.370	**2.00**	2.009	2.006	**3.65**	3.645	3.643	**5.30**	5.281	5.279
0.40	0.418	0.416	**2.05**	2.054	2.052	**3.70**	3.691	3.688	**5.35**	5.327	5.324
0.45	0.464	0.461	**2.10**	2.100	2.097	**3.75**	3.736	3.734	**5.35**	5.372	5.370
0.50	0.509	0.507	**2.15**	2.145	2.143	**3.80**	3.781	3.779	**5.40**	5.418	5.415
0.55	0.555	0.552	**2.20**	2.191	2.188	**3.85**	3.827	3.824	**5.45**	5.463	5.461
0.60	0.600	0.597	**2.25**	2.236	2.234	**3.85**	3.872	3.870	**5.50**	5.509	5.506
0.65	0.645	0.643	**2.30**	2.282	2.279	**3.90**	3.918	3.915	**5.55**	5.554	5.552
0.70	0.691	0.688	**2.35**	2.327	2.325	**3.95**	3.963	3.961	**5.60**	5.599	5.597
0.75	0.736	0.734	**2.35**	2.373	2.370	**4.00**	4.009	4.006	**5.65**	5.645	5.642
0.80	0.782	0.779	**2.40**	2.418	2.415	**4.05**	4.054	4.052	**5.70**	5.690	5.688
0.85	0.827	0.825	**2.45**	2.463	2.461	**4.10**	4.100	4.097	**5.75**	5.736	5.733
0.85	0.873	0.870	**2.50**	2.509	2.506	**4.15**	4.145	4.143	**5.80**	5.781	5.779
0.90	0.918	0.916	**2.55**	2.554	2.552	**4.20**	4.191	4.188	**5.85**	5.827	5.824
0.95	0.964	0.961	**2.60**	2.600	2.597	**4.25**	4.236	4.233	**5.85**	5.872	5.870
1.00	1.009	1.007	**2.65**	2.645	2.643	**4.30**	4.281	4.279	**5.90**	5.918	5.915
1.05	1.054	1.052	**2.70**	2.691	2.688	**4.35**	4.327	4.324	**5.95**	5.963	5.961
1.10	1.100	1.097	**2.75**	2.736	2.734	**4.35**	4.372	4.370	**6.00**	6.009	6.006
1.15	1.145	1.143	**2.80**	2.782	2.779	**4.40**	4.418	4.415			
1.20	1.191	1.188	**2.85**	2.827	2.825	**4.45**	4.463	4.461			
1.25	1.236	1.234	**2.85**	2.872	2.870	**4.50**	4.509	4.506			
1.30	1.282	1.279	**2.90**	2.918	2.915	**4.55**	4.554	4.552			
1.35	1.327	1.325	**2.95**	2.963	2.961	**4.60**	4.600	4.597			
1.35	1.373	1.370	**3.00**	3.009	3.006	**4.65**	4.645	4.643			
1.40	1.418	1.416	**3.05**	3.054	3.052	**4.70**	4.690	4.688			
1.45	1.464	1.461	**3.10**	3.100	3.097	**4.75**	4.736	4.733			
1.50	1.509	1.506	**3.15**	3.145	3.143	**4.80**	4.781	4.779			
1.55	1.554	1.552	**3.20**	3.191	3.188	**4.85**	4.827	4.824			
1.60	1.600	1.597	**3.25**	3.236	3.234	**4.85**	4.872	4.870			
1.65	1.645	1.643	**3.30**	3.282	3.279	**4.90**	4.918	4.915			
1.70	1.691	1.688	**3.35**	3.327	3.324	**4.95**	4.963	4.961			
1.75	1.736	1.734	**3.35**	3.372	3.370	**5.00**	5.009	5.006			
1.80	1.782	1.779	**3.40**	3.418	3.415	**5.05**	5.054	5.052			

Note: all values are rounded to the nearest 2.5mm

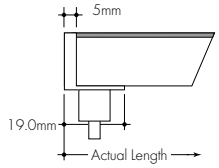
Endcap (No Connector) -NPF



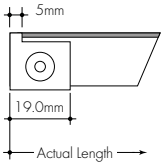
End Connector -IME



Back Connector -IMB



Side Connector -IMSA -IMSB



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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_2e(1m)
CIBSE TM66	2.1
RoHS Compliance	Yes
REACH Compliance	Yes
WEEE Compliance	Yes - Registered Producer
Declare	Declared
Lifetime	L90B10 100,000hrs
Warranty	5 Years

UK PART L	
Part L1A / L1B (Dwellings) *≥75 lm/W source lumens*	-
Part L2A (General) *≥95lm/W delivered lumens*	-
Part L2A (Display) *≥80 lm/W source lumens*	-

Notes: Part L data for Tunable White

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Kurba Large 3D Bending Dynamic Color

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

Tunable White - DALI 2| Remote | Constant Voltage

Input Voltage	230V AC I 50/60 Hz
Driver Type	Remote I Constant Voltage
Location	IP20 I Indoor Location Only
Dimming Control	DALI or DALI 2
Min. Dim Level	0.1%
Flicker	IEEE 1789 Compatible I 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.

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.