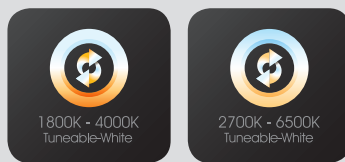




# FM8 TW MODULE

## PROFESSIONAL DUAL-CHANNEL TUNABLE-WHITE FLEXIBLE LINEAR LED STRIP



### DRIVER OPTIONS



### DIMENSION



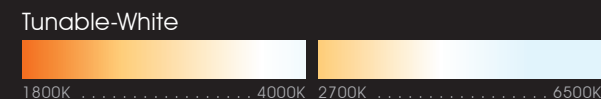
- Width x Height : 8mm x 1.5mm
- Cut Section : 10 LEDs, 50mm
- LED Pitch : 10mm
- LEDs per Meter : 200 LEDs/m

Beam Angle: 120°



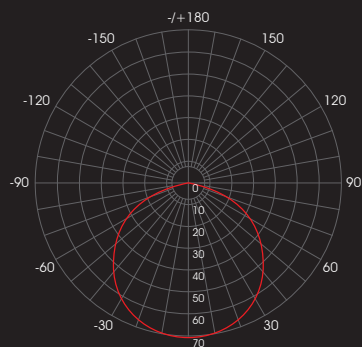
- CRI : Ra>90, R9>50
- SDCM : 3 step MacAdam ellipse
- Lifetime : Up to 50,000 hours L80 lamp life at Ta = 25°C
- Voltage : 24V DC
- Power Options : 5W/m, 10W/m, 15W/m, 20W/m
- Light Effect : Narrow LED pitch distance for light homogeneity
- Luminous Flux : 387 - 2226 lm/m
- Efficacy : 77.4 - 111.3 lm/W
- Operating Temperature : Ta (min) = -20°C, Ta (max) = +50°C
- Wire Connection : Supplied with insulated AWG 20 wires at 200mm length
- Ingress Protection : IP20 for bare strip  
: IP65 with silicon sleeve (5W/m and 10W/m only)

### CCT OPTIONS



## PHOTOMETRICS

With FM8 20W/m



Correction Factor : FM8 TW 5W/m ~ f = 0.25  
 FM8 TW 10W/m ~ f = 0.50  
 FM8 TW 15W/m ~ f = 0.75  
 FM8 TW 20W/m ~ f = 1.00

## SPECIFICATIONS

CCT	Efficacy (lm/W)	Luminous Flux per meter (lm/m)			
		5W/m	10W/m	15W/m	20W/m
<b>1800K</b> <b>2000K</b>	77.4	387	774	1161	1548
<b>2200K</b> <b>2500K</b>	92.2	461	922	1383	1844
<b>2700K</b> <b>3000K</b> <b>3500K</b>	106.0	530	1060	1590	2120
<b>4000K</b> <b>5000K</b> <b>5700K</b> <b>6500K</b>	111.3	557	1113	1670	2226

	Power			
	5W/m	10W/m	15W/m	20W/m
Maximum continuous length with single end power feed	10m	5m	3.4m	2.5m

Case temperature must not exceed  $T_c(\max) = 80^\circ\text{C}$  to guarantee LED module lifetime.

- LED modules of 10W/m and below can be operated with or without aluminium profile.

- LED modules of 15W/m and above must be operated with aluminium profile as heatsink.

## ORDERING MATRIX

MODULE	Model	Power	CCT	Length	Sleeve Option
	<b>FM8</b>	<b>5</b>	5W/m	<b>TW1840</b> Tunable-White 1800K-4000K	<b>5M</b> 5m Reel*
10W/m			<b>TW2765</b> Tunable-White 2700K-6500K		
15W/m					
20W/m					

Example: FM8-10-TW1840-5M-N

FM8 flexible linear LED strips are supplied with insulated AWG 20 wires at 200mm length on both ends.

\* Supplied in standard length of 5m per reel, customised lengths are available upon request and additional charges may apply.

\*\* IP65 Silicon sleeve is only valid for 5W/m and 10W/m power only.