



FM8 WD MODULE

PROFESSIONAL DUAL-CHANNEL DIM-TO-WARM FLEXIBLE LINEAR LED STRIP



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 - 2120 lm/m
- Efficacy : 77.4 - 106 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)

DRIVER OPTIONS

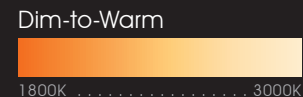


DIMENSION



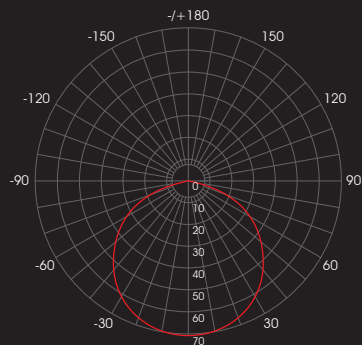
- Width x Height : 8mm x 1.5mm
- Cut Section : 10 LEDs, 50mm
- LED Pitch : 10mm
- LEDs per Meter : 200 LEDs/m

CCT OPTIONS



PHOTOMETRICS

With FM8 20W/m



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

SPECIFICATIONS

CCT	Efficacy (lm/W)	Luminous Flux per meter (lm/m)			
		5W/m	10W/m	15W/m	20W/m
1800K 2000K	77.4	387	774	1161	1548
2200K 2500K	92.2	461	922	1383	1844
2700K 3000K	106.0	530	1060	1590	2120

	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 $T_c(\text{max}) = 80^\circ\text{C}$ 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	
	FM8	5	5W/m	WD1830 Dim-to-Warm 1800K - 3000K	5M 5m Reel*	N Bare Strip
		10	10W/m			SS IP65 Silicon Sleeve**
		15	15W/m			
		20	20W/m			

Example: FM8-10-WD1830-5M-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.