



FM10E MODULE

SINGLE CCT FLEXIBLE LINEAR LED STRIP

IP20 IP65



DRIVER OPTIONS



ON/OFF



PHASE
DIMMABLE



0-10V
DIMMABLE



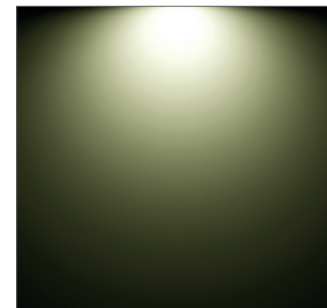
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DIMENSION



- Width x Height : 10mm x 1.5mm (Bare Strip),
12.5mm x 4mm (Silicone Sleeve)
- Cut Section : 6 LEDs, 50mm
- LED Pitch : 8.3mm
- LEDs per Meter : 120 LEDs/m

Beam Angle: 120°



- CRI : $R_a > 90$, $R_9 > 50$
- SDCM : 3 step MacAdam ellipse
- Lifetime : Up to 50,000 hours L80 lamp life at
 $T_a = 25^\circ\text{C}$
- Voltage : 24V DC
- Power Options : 4.8W/m, 9.6W/m, 14.4W/m,
19.2W/m, 24W/m
- Light Effect : Narrow LED pitch distance for light
homogeneity
- Luminous Flux : 460 - 2415 lm/m
- Efficacy : 95.8 - 100.6 lm/W
- Operating Temperature : $T_a (\text{min}) = -20^\circ\text{C}$, $T_a (\text{max}) = +50^\circ\text{C}$
- Wire Connection : Supplied with insulated AWG 20
wires at 150mm length
- Ingress Protection : IP20 for bare strip
: IP65 with silicone sleeve

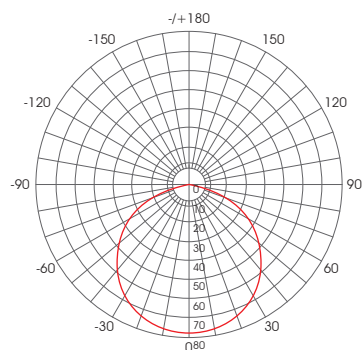
CCT OPTIONS

Single CCT



PHOTOMETRICS

FM10E 24W/m 3000K (100mm)



Correction Factor : FM10E 4.8W/m ~ f = 0.20
 FM10E 9.6W/m ~ f = 0.40
 FM10E 14.4W/m ~ f = 0.60
 FM10E 19.2W/m ~ f = 0.80
 FM10E 24W/m ~ f = 1.00

SPECIFICATIONS

CCT	Efficacy (lm/W)	Luminous Flux per meter (lm/m)				
		4.8W/m	9.6W/m	14.4W/m	19.2W/m	24W/m
2700K 3000K 3500K	95.8	460	920	1380	1840	2300
4000K 5000K 5700K 6500K	100.6	483	966	1449	1932	2415

	Power				
	4.8W/m	9.6W/m	14.4W/m	19.2W/m	24W/m
Maximum continuous length with single end power feed	5m				

Case temperature must not exceed Tc (max) = 80°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
FM10E	4 4.8W/m	27 2700K	5M 5m Reel*	N Bare Strip
	9 9.6W/m	30 3000K		SS IP65 Silicon Sleeve
	14 14.4W/m	35 3500K		
	19 19.2W/m	40 4000K		
	24 24W/m	50 5000K		
		57 5700K		
		65 6500K		

Example: FM10E-14-30-5M-N

FM10E flexible linear LED strips are supplied with insulated AWG 20 wires at 150mm length on both ends.

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