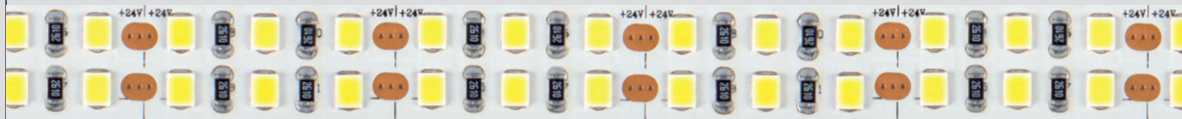




# FM12 MODULE

PROFESSIONAL SINGLE CCT  
FLEXIBLE LINEAR LED STRIP



## DRIVER OPTIONS



ON/OFF



PHASE  
DIMMABLE

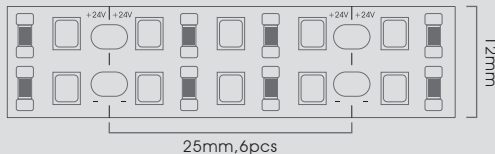


0-10V  
DIMMABLE



DALI  
DIMMABLE

## DIMENSION



- Width x Height : 12mm x 1.5mm
- Cut Section : 6 LEDs, 25mm
- LED Pitch : 8mm
- LEDs per Meter : 240 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 : 25W/m, 30W/m
- Light Effect : Narrow LED pitch distance for light homogeneity
- Luminous Flux : 2306 - 3339 lm/m
- Efficacy : 92.2 - 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

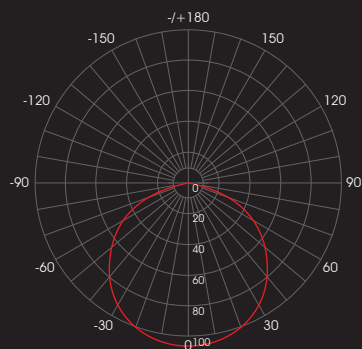
## CCT OPTIONS

Single CCT



PHOTOMETRICS

With FM12 30W/m



Correction Factor : FM12 25W/m ~ f = 0.83  
FM12 30W/m ~ f = 1.00

SPECIFICATIONS

CCT	Efficacy (lm/W)	Luminous Flux per meter (lm/m)	
		25W/m	30W/m
<b>2200K</b> <b>2500K</b>	92.2	2306	2767
<b>2700K</b> <b>3000K</b> <b>3500K</b>	106.0	2650	3180
<b>4000K</b> <b>5000K</b> <b>5700K</b> <b>6500K</b>	111.3	2783	3339

	Power	
	25W/m	30W/m
Maximum continuous length with single end power feed	4m	3.4m

Case temperature must not exceed  $T_c$  (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	
	<b>FM12</b>	<b>25</b>	25W/m	<b>22</b> 2200K	<b>5M</b> 5m Reel*	<b>N</b> Bare Strip
<b>30</b>			30W/m	<b>25</b> 2500K		
			<b>27</b> 2700K			
			<b>30</b> 3000K			
			<b>35</b> 3500K			
			<b>40</b> 4000K			
			<b>50</b> 5000K			
			<b>57</b> 5700K			
<b>65</b> 6500K						

Example: FM12-25-30-5M-N

FM12 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.