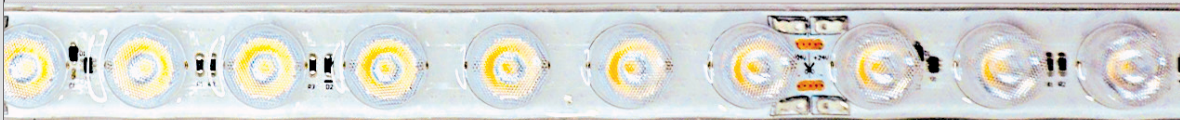




FM23G MODULE

PROFESSIONAL IP67 GRAZER
SINGLE CCT FLEXIBLE LINEAR LED STRIP



DRIVER OPTIONS



ON/OFF



PHASE
DIMMABLE



0-10V
DIMMABLE



DALI
DIMMABLE

DIMENSION



- Width x Height : 23mm x 11mm
- Cut Section : 7 LEDs, 166.6mm
- LED Pitch : 23.8mm
- LEDs per Meter : 42 LEDs/m

ACCESSORIES



Joint
Connector



Male Connection Cable



Female Connection Cable



UV Glue

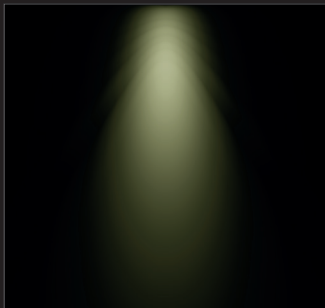


UV Light

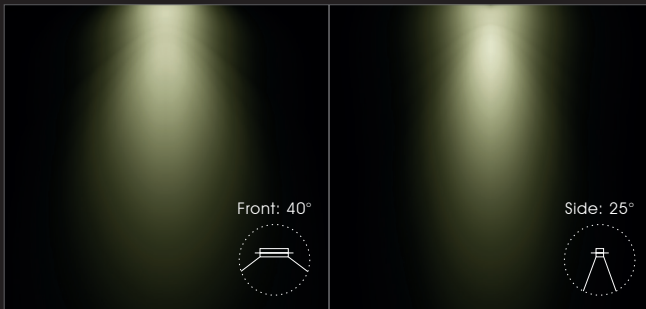
Beam Angle: 20°



Beam Angle: 30°



Beam Angle: 25° x 40°



- 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 : 9.6W/m, 14.4W/m, 19.2W/m
- Light Effect : Symmetric
- Luminous Flux : 1788 - 1877 lm/m
- Efficacy : 93.1 - 97.8 lm/W
- Operating Temperature : Ta (min) = -40°C, Ta (max) = +45°C
- Wire Connection : Supplied with insulated AWG 18 wires with IP67 connector at 200mm length
- Ingress Protection : IP67 with PU sleeve

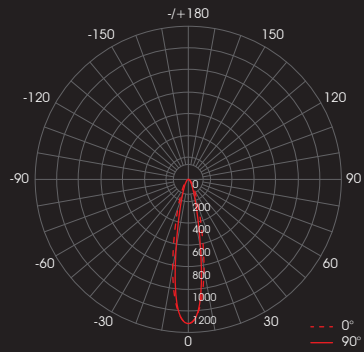
☐ CCT OPTIONS

Single CCT



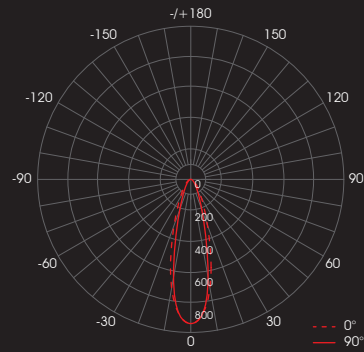
PHOTOMETRICS

With FM23G 19.2W/m 20°



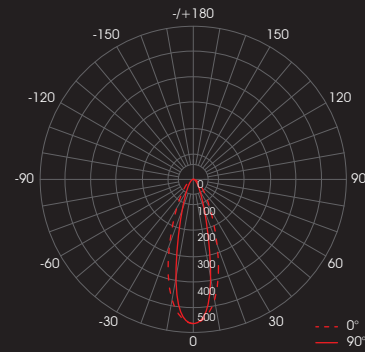
Correction Factor : FM23G 9.6W/m ~ f = 0.50
 FM23G 14.4W/m ~ f = 0.75
 FM23G 19.2W/m ~ f = 1.00

With FM23G 19.2W/m 30°



Correction Factor : FM23G 9.6W/m ~ f = 0.50
 FM23G 14.4W/m ~ f = 0.75
 FM23G 19.2W/m ~ f = 1.00

With FM23G 19.2W/m 25° x 40°



Correction Factor : FM23G 9.6W/m ~ f = 0.50
 FM23G 14.4W/m ~ f = 0.75
 FM23G 19.2W/m ~ f = 1.00

SPECIFICATIONS

CCT	Efficacy (lm/W)	Luminous Flux per meter (lm/m)		
		9.6W/m	14.4W/m	19.2W/m
2700K	93.1	894	1344	1788
3000K				
3500K				
4000K	97.8	939	1411	1877
5000K				
5700K				
6500K				

	Power		
	9.6W/m	14.4W/m	19.2W/m
Maximum continuous length with single end power feed	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 14.4W/m and below can be operated with or without aluminium profile.
 - LED modules of 19.2W/m must be operated with aluminium profile as heatsink.

ORDERING MATRIX

MODULE

Model	Beam Angle	Power	CCT	Length	Sleeve Option
FM23G	20 20°	9 9.6W/m	27 2700K	5M 5m Reel*	PS IP67 PU Sleeve
	30 30°	14 14.4W/m	30 3000K		
	25x40 25° x 40°	19 19.2W/m	35 3500K		
		40 4000K			
		50 5000K			
		57 5700K			
		65 6500K			

Example: FM23G-20-19-30-5M-PS

FM23G flexible linear LED strips are supplied with insulated AWG 20 wires with IP67 connectors 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.

ACCESSORIES

Accessories

- FM23-JC** 2-pin Joint Connector
- FM23-MCC** 2-pin End Connector with 200mm IP67 Male Connection Cable
- FM23-FCC** 2-pin End Connector with 200mm IP67 Female Connection Cable
- UVG** UV Glue, for Sealing IP67 PU Sleeve
- UVL** UV Light, for Quick Drying of UV Glue (Battery not included)