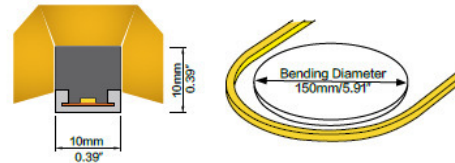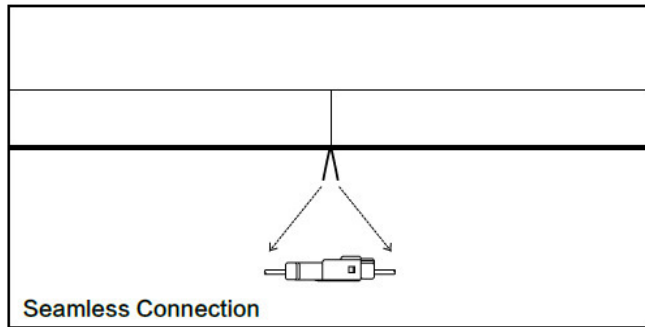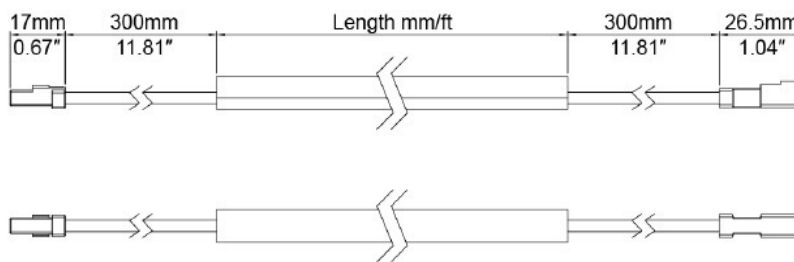# LINEAR FLEX M

Linear Flex M, DC24V, has bending direction vertically with radius of 75mm (2.95"), and a cross section size: 10 mm*10mm/0.39"x0.39" (W*H) and 3-side emitting. It is IP68 protection, UV resistant and saltwater resistant via opal polyurethane coating. 3-Step MacAdam bin and dot free performance for indoor & outdoor will bring the most excellent applications.

DIMENSION

Seamless Connection

Electrical data

Voltage	**DC24V (23.5Vmin, 24.5Vmax)**
LED PIN Temperature	**Max. 65°C /149°F**
Storage Temperature	**-25°C /-13°Fmin, 60°C /140°Fmax**
Ambient Temperature	**Ta_{min}=-2°C /-13°F, Ta_{max} (Table below)**
CRI	**Ra80/ Ra90 optional**

LINERAR FLEX M	**Low output**	**Mid output**
Power (W/m W/ft)	**5/1.5**	**10/3.1**
Efficacy (lm/W) @4000K	**88**	**85,7**
Max. Ambient temp. (Ta_{max})	**50°C /122°F**	**45°C /113°F**

3 STEP

UV PROTECTED

WATERPROOF IP68
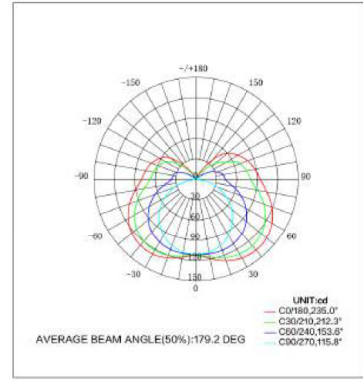
LM-80 COMPLIANT
LM 80

RESISTANT TO SOLVENTS

SALTWATER RESISTANT

ONE BIN ONLY
Color consistency
Today and tomorrow

| CCT | 5W (low output) | | 10W(mid output) | | Unit cut |
	Lm/m	Max. run length	Lm/m	Max. run length	
2700K	320	18M	724	12M	41.666
3000K	355	18M	800	12M	41.666
3200K	350	18M	800	12M	41.666
3500K	340	18M	750	12M	41.666
4000K	440	18M	860	12M	41.666
5000K	419	18M	857	12M	41.666
6500K	371	18M	824	12M	41.666
T.W	337	8M	765	5M	50
W W	163	8M	369	5M	50
C W	190	8M	423	5M	50
Red	111	18M	238	12M	41.666
Green	334	18M	524	12M	41.666
Blue	71	18M	127	12M	41.666
Amber	122	18M	247	12M	41.666
Pink	187	18M	399	12M	41.666
RGB	158	8M	319	5M	50

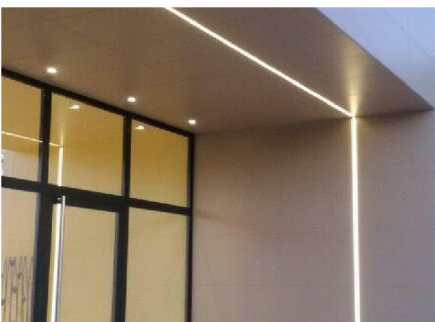AVERAGE BEAM ANGLE(50%):179.2 DEG

3000K IES File

1. T. W= Tunable White.
2. Max. run length refers to single side feed in serial connect ion.
3. The given color temperature is the strip (after coating) color temperature.
4. The given data are typical values due to the tolerances of the production process and the electrical
   components, values for light output and electrical power can vary up to 10%.
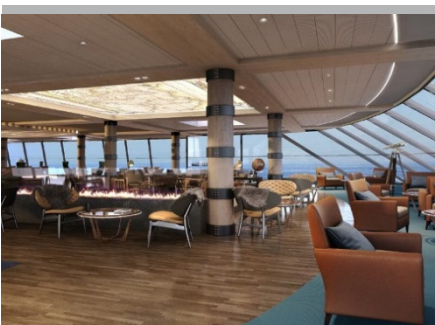5. It is no IK-Rated, please don't walk on it without protection.

APPLICATIONS

With opal polyurethane coating and dense LEDs per meter, the Linear Flex M can provide excellent homogeneous light surpass the traditional combination of aluminum profile and IP20 Led strips. 3- side emitting light is an incredible performance for the market. For indoor applications, the examples of Linear Flex Mini could be found in bars, stores, food areas etc. with 165° beam angle and 3-side emitting features, it could offer a perfect lighting effect for different project.

The Linear Flex M IP68 could be well used in your outdoor projects such as the facade of building, yacht, bridge and so on, for its waterproof and UV and saltwater resistant. Different IP rating connectors are available for various applications, but if you'd like to install it under water, please make sure the connector or cable connection is out of the water.

With bending radius of 75mm/2.95", the Linear Flex M is extremely flexible to be both shaped and straight illumination. You could achieve shape decoration with clips, while the straight light with profile. There are different lengths available, you could cut it by yourselves or customize length can be delivered. Many possibilities will come true due to its flexible bending feature.

LIGHTING SOLUTIONS GmbH

Aluminum Profile
Article No. LJLAC010-AP
Dimension: 1000x12.4x12.9m / 39.37"x0.49"x0.51" (L x W x H)
Material: aluminum
Color: silver

IP67 Connector 4Pin
Article No. LJLAD002-4
Wire gauge: 0.33mm2/22AWG
Protection: IP67(Mated)

PC Profile
Article No. LJLAC010-PC
Dimension: 1000x12.5x14.6m / 39.37"x0.49"x0.57" (L x W x H)
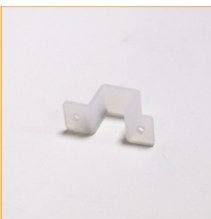Material: plastic
Color: transparent

3M VHB Tape
Article No. LJLAE004-VHB
Width: 10mm
Length: 33 meters/reel

Mounting Clips
Article No. LJLAC005-SET
Dimension: 8x12.1 x 7.7mm / 0.31"x0.48"x0.3" (L x W x H)
Material: stainless steel
Color: silver
Each meter of LED strip needs 3 clips + 3 screws + 2 end caps

Power Supply 150W IP67
Article No. LJLAE001-IP67-150WDC24V
Output: 24V DC
I max: 6.3 A
Input: 90 - 264V AC
Dimension: 191x63x37.5mm (L x W x H)

Holding Clips
Article No. LJLAC005-HC
Dimension: 28.6x10x12.5mm / 1.13" x 0.39" x 0.49" (L x W x H)
Material: silicone
Color: opal
Each meter of LED strip needs 3 clips + 6 screws

RGB LED Controller
Article No. LJLAE002-RGB
Power Input: 12 ~ 24V DC
Max Current Load: Max 3A*3CH
Max Output Power: 216W(24V)
Dimension: 135x30x20mm (L x W x H)

IP67 Connector 2Pin
Article No. LJLAD002-2
Wire gauge: 0.33mm2/22AWG
Protection: IP67(Mated)

Tunable White Controller
Article No. LJLAE002-TW
Power Input: 12 ~ 24V DC
Max Current Load: Max 5A*4CH Max.20A
Max Output Power: (0-60...120W) * 4CH Max.480W
Dimension: 175x44x30mm (L x W x H)

IP67 Connector 3Pin
Article No. LJLAD002-3
Wire gauge: 0.33mm2/22AWG
Protection: IP67(Mated)

DMX
Article No. LJLAE003-DMX
Input Signal: DMX512, RDM
Input Voltage: 12 ~ 24V DC
Max Current Load: 6A x 3CH Max. 18A
Max Output Power: (0~72W...144W) x 3CH Max.432W
DMX512 Socket: RJ45
Dimension: 175x42x33mm (L x W x H)