



WF12SB NEON FLEX

WEATHERPROOF FLEXIBLE SIDE BEND
LINEAR LUMINAIRE



White,
Frosted Diffuser

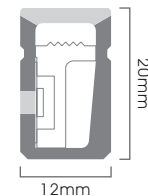
PROFILE FINISHING

White

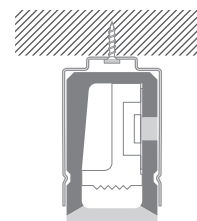
DIFFUSER

Frosted

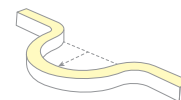
DIMENSION



INSTALLATION



BENDING

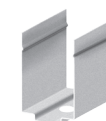


Side Bend
Radius Limit = 120mm

ACCESSORIES



Aluminium Tray



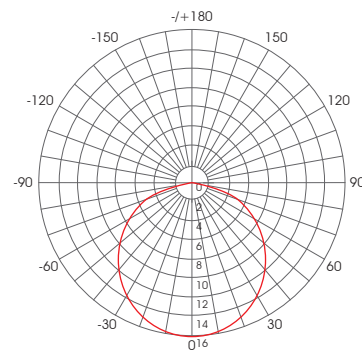
Mounting Clip

Beam Angle: 115°



PHOTOMETRICS

- 15W/m 3000K (100mm)



Correction Factor : 5W/m ~ $f = 0.33$
 10W/m ~ $f = 0.71$
 15W/m ~ $f = 1.00$

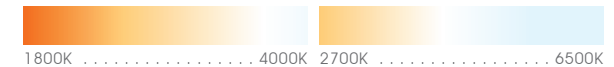
- Profile Type : 12mm width flexible silicone linear LED luminaire
- Profile Finishing : White
- Diffuser : Frosted
- Light Uniformity : Dot-less
- Mounting : Surface, with stainless steel mounting clip or aluminium tray
- Power Options : Single CCT - 5W/m, 10W/m, 15W/m
 Tunable-White - 5W/m, 10W/m, 15W/m
 RGB - 10W/m
 RGBW - 10W/m, 15W/m
- CRI : $R_a > 90$, $R_9 > 50$
- SDCM : 3 step MacAdam ellipse binning
- Lifetime : Up to 50,000 hours L80 lamp life at $T_a = 25^\circ\text{C}$
- Voltage : 24V DC
- Length Options : 500mm to 5000mm by increment of:
 - 50mm for single CCT and Tunable-White
 - 62.5mm for RGB
 - 125mm for RGBW
- Operating Temperature : T_a (min) = -20°C
 T_a (max) = $+55^\circ\text{C}$ (5W/m) / $+45^\circ\text{C}$ (10W/m) / $+35^\circ\text{C}$ (15W/m)
- Wire Connection : Supplied with insulated IP67 wires and connector at 300mm length
- IP Rating : IP67, UV and chemical resistant

CCT OPTIONS

Single CCT



Tunable-White



RGB



RGBW



W = 3000K



W = 4000K



W = 6500K

SPECIFICATIONS

Single CCT

CCT	5W/m		10W/m		15W/m	
	Efficacy (lm/W)	Luminous Flux (lm/m)	Efficacy (lm/W)	Luminous Flux (lm/m)	Efficacy (lm/W)	Luminous Flux (lm/m)
2200K 2500K	27.3	137	29.4	294	27.6	414
2700K 3000K 3500K	31.4	157	33.8	338	31.7	476
4000K 5000K 5700K 6500K	31.9	159	34.3	343	32.2	483

Tunable-White 1800K - 4000K

CCT	5W/m		10W/m		15W/m	
	Efficacy (lm/W)	Luminous Flux (lm/m)	Efficacy (lm/W)	Luminous Flux (lm/m)	Efficacy (lm/W)	Luminous Flux (lm/m)
1800K	30.2	75 (@2.50W)	32.5	162 (@5.00W)	30.5	229 (@7.50W)
4000K	35.6	89 (@2.50W)	38.3	192 (@5.00W)	36.0	270 (@7.50W)

Tunable-White 2700K - 6500K

CCT	5W/m		10W/m		15W/m	
	Efficacy (lm/W)	Luminous Flux (lm/m)	Efficacy (lm/W)	Luminous Flux (lm/m)	Efficacy (lm/W)	Luminous Flux (lm/m)
2700K	35.1	88 (@2.50W)	37.8	189 (@5.00W)	35.5	266 (@7.50W)
6500K	35.6	89 (@2.50W)	38.3	192 (@5.00W)	36.0	270 (@7.50W)

RGB

CCT	10W/m		RGB Wavelength (nm)
	Efficacy (lm/W)	Luminous Flux (lm/m)	
Red	11.1	37 (@3.33W)	617 - 627
Green	38.1	127 (@3.33W)	515 - 525
Blue	6.3	21 (@3.33W)	464 - 474

RGBW

CCT	10W/m		15W/m		RGB Wavelength (nm)
	Efficacy (lm/W)	Luminous Flux (lm/m)	Efficacy (lm/W)	Luminous Flux (lm/m)	
Red	10.2	26 (@2.50W)	9.6	36 (@3.75W)	620 - 630
Green	30.4	76 (@2.50W)	28.5	107 (@3.75W)	515 - 525
Blue	9.7	24 (@2.50W)	9.1	34 (@3.75W)	460 - 470
White	36.1	90 (@2.50W)	33.9	127 (@3.75W)	3000K 4000K 6500K

WEATHERPROOF FLEXIBLE LINEAR LUMINAIRE

ORDERING MATRIX

Module	Finishing	Diffuser	Length	LED Module Power & CCT				Wire End & Exit Configuration		Ingress Protection
WF12SB	WH White	F Frosted	500 ↕ 5000 *by every 50mm 500mm 5000mm	5 5W/m	22	2200K	SE Single Wire End, End Cap Exit	IP67 IP67		
						10 10W/m			25 2500K	
						15 15W/m			27 2700K	
						30 3000K				
						35 3500K				
						40 4000K				
			10 10W/m	TW1840 Tunable-White 1800K-4000K	5000K					
					57 5700K					
					65 6500K					
					10 10W/m	TW2765 Tunable-White 2700K-6500K				
					15 15W/m					
					10 10W/m	RGB RGB				
500 ↕ 5000 *by every 62.5mm 500mm 5000mm	10 10W/m	RGB	RGB							
			10 10W/m	RGBW30 RGBW(3000K)						
			15 15W/m	RGBW40 RGBW(4000K)						
			RGBW65 RGBW(6500K)							
			10 10W/m	RGBW30 RGBW(3000K)						
			15 15W/m	RGBW40 RGBW(4000K)						
500 ↕ 5000 *by every 125mm 500mm 5000mm	10 10W/m	RGBW30 RGBW(3000K)	RGBW40 RGBW(4000K)							
			15 15W/m	RGBW65 RGBW(6500K)						
			10 10W/m	RGBW30 RGBW(3000K)						
			15 15W/m	RGBW40 RGBW(4000K)						
			RGBW65 RGBW(6500K)							
			10 10W/m	RGBW30 RGBW(3000K)						

Example: WF12SB-WH-F-1000-5-30-SE-IP67

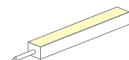
WF12SB Neon Flex, White, Frosted Diffuser, 1000mm, 5W/m, 3000K, Single Wire End at End Cap Exit, IP67

*Mounting accessories for neon flex luminaires are not included and to be ordered seperately.

Aluminium Tray	Finishing	Length
WF12SB-AT	SL Silver	1000 1000mm
Example: WF12SB-AT-SL-1000 WF12SB Aluminium Tray, Silver, 1000mm		

Mounting Clip
WF12SB-MC
Example: WF12SB-MC WF12SB Mounting Clip

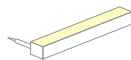
WIRE CONFIGURATIONS



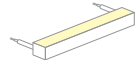
Single Wire End, End Cap Exit



Single Wire End, Rear Exit



Single Wire End, Side Exit Left



Double Wire End, Side Exit Left/Right



Double Wire End, Side Exit Left/Left



Double Wire End, End Cap Exit



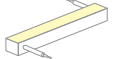
Double Wire End, Rear Exit



Single Wire End, Side Exit Right



Double Wire End, Side Exit Right/Left



Double Wire End, Side Exit Right/Right