



CLEAR

F
r
e
e
B
e
n
d

Arcflex™ 1617 *LED Linear Light*

ClearTech™ | Adapwire™ | SegPCB™ | ZagLiu™



Protection

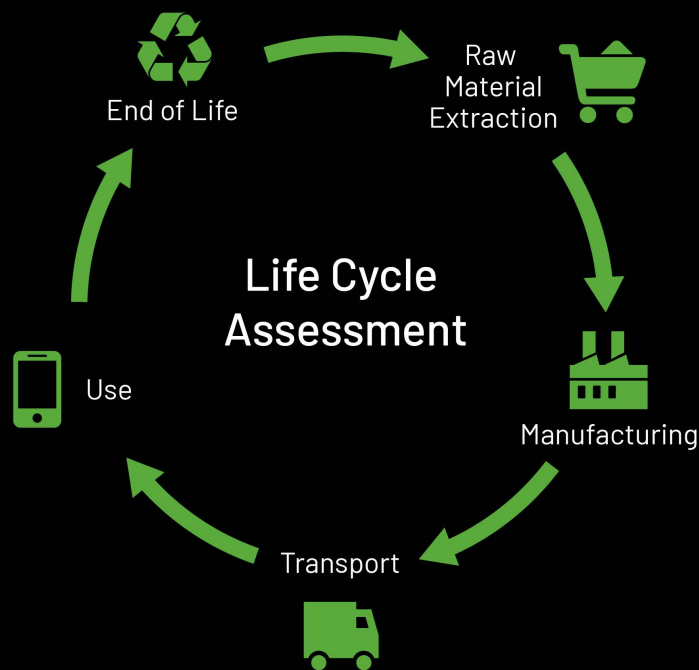


-40°C-60°C



Anti-UV

951318



SUSTAINABILITY

Environmental Product Declarations

An EPD is a summary of the lifecycle assessment (LCA) for a product from material extraction to production, shipping, consumption and disposal. CLEAR EPD-verified products allow architects, designers, building contractors etc. to compare and evaluate the lifetime sustainability of construction products and materials.

By making our products transparent on the environmental impact, we hope to have a positive impact on the living environment and people's well-being.

Arcflex™, part of FreeBend™ Series, blends horizontal and vertical bends into a single light, empowering experts from designers and suppliers to light planners and installers to unlock massive success. With the Free Bend capability, designers can amplify their ingenuity and streamline their work process, which in turn, helps construction site personnel to implement products easily without worries of failure and deliver projects more efficiently.



**Utmost Freedom to Lighting Design
Unlocked by
Excellent Bending in Both Ways**



No Threat from PCB Failure



**Hassle-free Installation and
Worry-free Maintenance**



**Improved Energy Efficiency with
ErP Compliance**



**Packaged Solution with Versatile Free
Bend Mounting Profile**

SPECIFICATION



Ambient Working Temperature
-40~60°C / -40~140°F



Storage Temperature
-40 ~ 60°C / -40~140°F



Ambient Installation Temperature
> -40°C / -40°F



Max. Mounting Surface Temperature
85°C/185°F



Red



Green



Blue



2200K



2400K



2700K



3000K



3500K



4000K



5000K

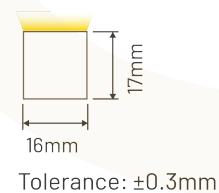
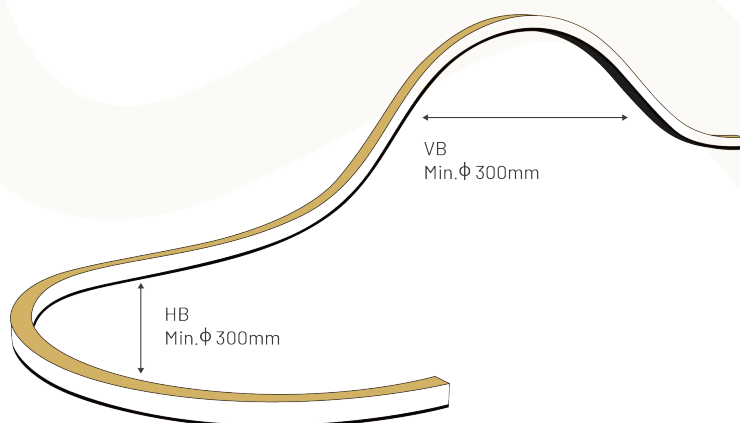


5700K



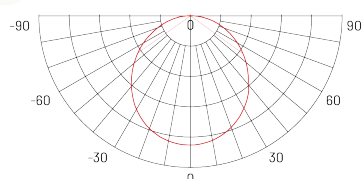
2700-5700K

Dimension

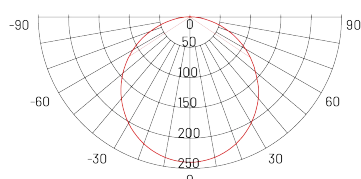


Tolerance: $\pm 0.3\text{mm}$

Parameter



Average Beam Angle(50%): 109.1°
e.g: 8W @3000K



Average Beam Angle(50%): 113.1°
e.g: 12W @2700K+5700K

Article No.	Arcflex1617 (Monochrome)	Arcflex1617 (Dynamic white)
Working Voltage	DC24V	DC24V
Rated Power/m	8W	12W
Lumen Output (lm/m)	>620lm (ErP 8W) @3000K	>310lm@5700K
IP Rating	IP68	IP68
CRI	≥90	≥90
Standard Length	10m/pc (single-end feed)	6m/pc (single-end feed)
Weight/m	330g	330g
Warranty	10 years	7 years

Item Code	Finished Product			
	CCT/Color	Wavelength/ CCT Tolerance	Lumen/m	Lumen/ft
Arcflex1617-R-DC24V-8W-154-45.4-WMD	 Red	620-630nm	>190	>58
Arcflex1617-G-DC24V-8W-154-45.4-WMD	 Green	512-522nm	>540	>165
Arcflex1617-B-DC24V-8W-154-45.4-WMD	 Blue	464-474nm	>110	>34
Arcflex1617-W22/R90-DC24V-8W-154-45.4-WMD-ErP	 2200K	2200±82K	>600	>183
Arcflex1617-W24/R90-DC24V-8W-154-45.4-WMD-ErP	 2400K	2400±100K	>600	>183
Arcflex1617-W27/R90-DC24V-8W-154-45.4-WMD-ErP	 2700K	2700±115K	>620	>189
Arcflex1617-W30/R90-DC24V-8W-154-45.4-WMD-ErP	 3000K	3000±140K	>620	>189
Arcflex1617-W35/R90-DC24V-8W-154-45.4-WMD-ErP	 3500K	3500±170K	>620	>189
Arcflex1617-W40/R90-DC24V-8W-154-45.4-WMD-ErP	 4000K	4000±225K	>620	>189
Arcflex1617-W50/R90-DC24V-8W-154-45.4-WMD-ErP	 5000K	5000±300K	>620	>189
Arcflex1617-W57/R90-DC24V-8W-154-45.4-WMD-ErP	 5700K	5700±355K	>610	>186
Arcflex1617-D27-57/R90-DC24V-12W-308-45.4-WMD	 2700-5700K	2725±145K	>300	>91
		5665±355K	>310	>96

PRODUCT NOMENCLATURE

Arcflex1617 - W35/R90 -DC24V- 8W - 154 - 45.4 - WMD - ErP

Model Name	Light Color / CRI	Voltage	Power/m	LED Quantity /m	Min.Cutting Length (mm)	Finish	Version
Arcflex =Trademark 1617 =Dimension W16*H17	W22/R90 =2200K/R90 W24/R90 =2400K/R90 W27/R90 =2700K/R90 W30/R90 =3000K/R90 W35/R90 =3500K/R90 W40/R90 =4000K/R90 W50/R90 =5000K/R90 W57/R90 =5700K/R90 R =Red G =Green B =Blue D27-57/R90 =2700-5700K/90	DC24V	8W	154	45.4	W = White Body M = Milky Light Surface D = Dark Base Marking	ErP =Energy-related Product
			12W	308			/

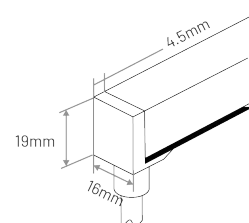
CONNECTOR

IP68 Silicone Injection-Moulded Connector

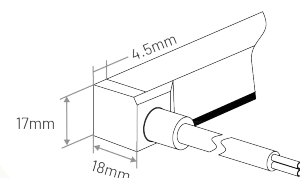
Tolerance: $\pm 0.3\text{mm}$



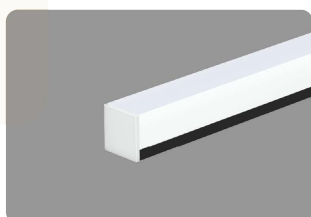
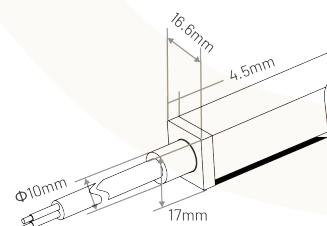
Silicone Injection-Moulded Front Connector (Bottom)



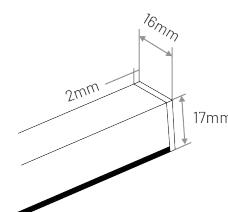
Silicone Injection-Moulded Front Connector (Side)



Silicone Injection-Moulded Front Connector (End)

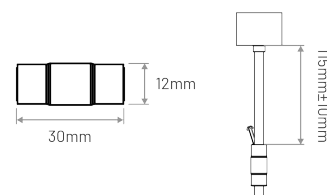


Silicone Injection-Moulded End Cap



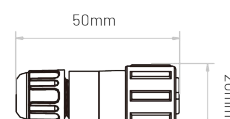
Anti-wicking Ferrule

Note: Warranty will void if it's removed and cause the water ingress.



Male & Female Connector

Optional



PROFILE



Anole™ Profile

Anole1617-WW/DD



Kids
Friendly



Solvents
Resistant



Saltwater
Resistant



UV
Resistant

30+

Times
Clamping Force

APPEARANCE COLOR



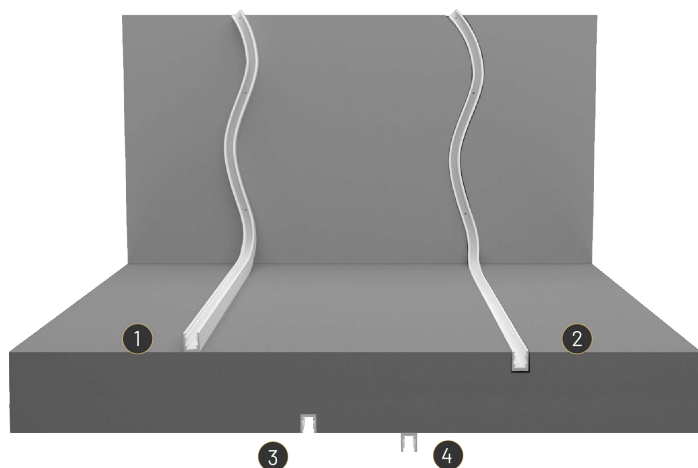
Standard



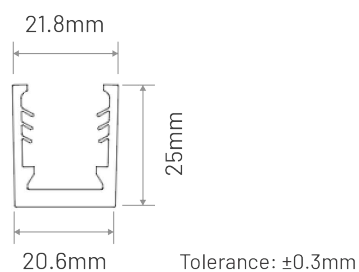
Custom



Installation Way



Dimension



Standard Length

55mm, 110mm, 200mm, 500mm, 1000mm

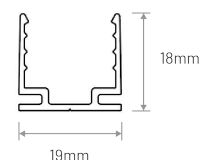
PROFILE

Tolerance: $\pm 0.3\text{mm}$



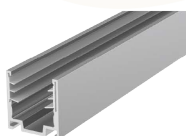
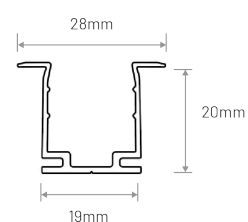
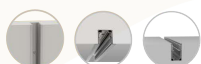
Aluminum Profile

1617-A/PL
Available Lengths:
35mm, 500mm, 1000mm, 2000mm



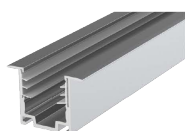
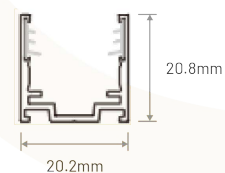
Flange Aluminum Profile

1617-FA/PL
Available Lengths:
35mm, 500mm, 1000mm, 2000mm



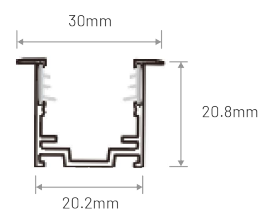
Serrated Aluminum Profile

1617-SA/PL
Available Lengths:
20mm, 500mm, 1000mm, 2000mm



Flange Serrated Aluminum Profile

1617-FSA/PL
Available Lengths:
20mm, 500mm, 1000mm, 2000mm



Bendable Serrated Aluminum Profile (HB)

1617-BSA/PL
Available Lengths: 500mm, 1000mm
Bending Diameter: $\Phi 300\text{mm}$

