

## Opaline Flex TB Gen2 White

### Flexible white LED luminaire



Opaline Flex TB Gen2 is a flexible top bend white LED luminaire that is suitable for lighting uneven outdoor surfaces such as coves and pillars.

Specially designed for professional decorative outdoor lighting applications, this LED luminaire has an IP67 rating for ingress protection and is completely protected against solid particles and water.

Opaline Flex TB fixtures are salt and solvent-proof, and fully UV resistant. This makes these flexible and ruggedized LED lines popular with lighting designers for exterior and interior decorative and direct lighting applications.

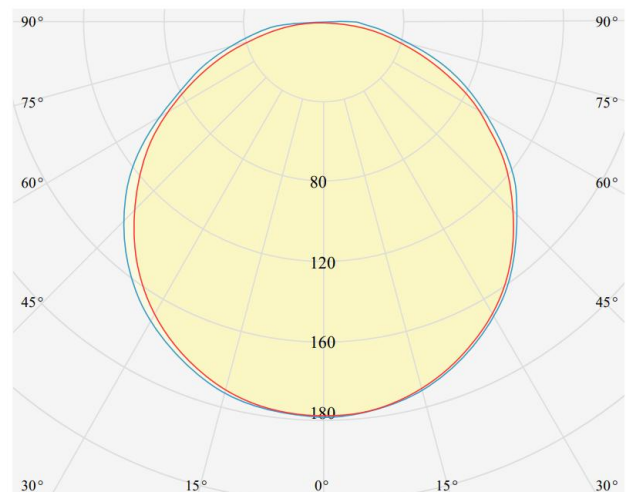
### Key features

- Waterproof IP67 LED line
- Flexible top bend polyurethane housing
- UV, salt & solvent resistant
- Dimmable or switched operation
- 24 V or 48 V DC voltage input
- 3-step MacAdam LEDs
- 112 Nichia LEDs/m ensures continuous line light effect without dark spots
- High CRI90+
- Reverse voltage protection
- Wide operating temperature: -25°C to +50°C

### Applications

- Facade lighting
- Interior lighting
- Staircase lighting
- Yacht lighting
- Direct view applications

### Photometrics



**Specification – 24 V**

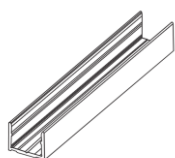
Cutting step: 62.5 mm

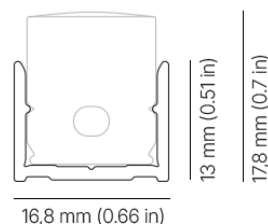
Product	Power	Voltage	CRI	CCT	Output	Efficacy	Max Run
AO2-TB-100-5-N5-920	4.8 W/m	24 V	CRI 90+	2000K	254 Lm/m	53 Lm/W	13 m
AO2-TB-100-5-N5-922	4.8 W/m	24 V	CRI 90+	2200K	278 Lm/m	58 Lm/W	13 m
AO2-TB-100-5-N5-925	4.8 W/m	24 V	CRI 90+	2200K	299 Lm/m	62 Lm/W	13 m
AO2-TB-100-5-N5-927	4.8 W/m	24 V	CRI 90+	2700K	419 Lm/m	87 Lm/W	13 m
AO2-TB-100-5-N5-930	4.8 W/m	24 V	CRI 90+	3000K	441 Lm/m	92 Lm/W	13 m
AO2-TB-100-5-N5-935	4.8 W/m	24 V	CRI 90+	3500K	452 Lm/m	94 Lm/W	13 m
AO2-TB-100-5-N5-940	4.8 W/m	24 V	CRI 90+	4000K	458 Lm/m	95 Lm/W	13 m
AO2-TB-100-5-N5-950	4.8 W/m	24 V	CRI 90+	5000K	459 Lm/m	96 Lm/W	13 m
AO2-TB-100-5-N5-957	4.8 W/m	24 V	CRI 90+	5700K	443 Lm/m	92 Lm/W	13 m
AO2-TB-100-5-N5-965	4.8 W/m	24 V	CRI 90+	6500K	443 Lm/m	92 Lm/W	13 m
AO2-TB-100-10-N5-920	9.6 W/m	24 V	CRI 90+	2000K	503 Lm/m	52 Lm/W	9 m
AO2-TB-100-10-N5-922	9.6 W/m	24 V	CRI 90+	2200K	543 Lm/m	57 Lm/W	9 m
AO2-TB-100-10-N5-925	9.6 W/m	24 V	CRI 90+	2500K	590 Lm/m	61 Lm/W	9 m
AO2-TB-100-10-N5-927	9.6 W/m	24 V	CRI 90+	2700K	832 Lm/m	87 Lm/W	9 m
AO2-TB-100-10-N5-930	9.6 W/m	24 V	CRI 90+	3000K	874 Lm/m	91 Lm/W	9 m
AO2-TB-100-10-N5-935	9.6 W/m	24 V	CRI 90+	3500K	896 Lm/m	93 Lm/W	9 m
AO2-TB-100-10-N5-940	9.6 W/m	24 V	CRI 90+	4000K	908 Lm/m	95 Lm/W	9 m
AO2-TB-100-10-N5-950	9.6 W/m	24 V	CRI 90+	5000K	912 Lm/m	95 Lm/W	9 m
AO2-TB-100-10-N5-957	9.6 W/m	24 V	CRI 90+	5700K	880 Lm/m	92 Lm/W	9 m
AO2-TB-100-10-N5-965	9.6 W/m	24 V	CRI 90+	6500K	880 Lm/m	92 Lm/W	9 m
AO2-TB-100-15-N5-920	14.4 W/m	24 V	CRI 90+	2000K	744 Lm/m	52 Lm/W	7 m
AO2-TB-100-15-N5-922	14.4 W/m	24 V	CRI 90+	2200K	805 Lm/m	56 Lm/W	7 m
AO2-TB-100-15-N5-925	14.4 W/m	24 V	CRI 90+	2500K	874 Lm/m	61 Lm/W	7 m
AO2-TB-100-15-N5-927	14.4 W/m	24 V	CRI 90+	2700K	1235 Lm/m	86 Lm/W	7 m
AO2-TB-100-15-N5-930	14.4 W/m	24 V	CRI 90+	3000K	1298 Lm/m	90 Lm/W	7 m
AO2-TB-100-15-N5-935	14.4 W/m	24 V	CRI 90+	3500K	1332 Lm/m	92 Lm/W	7 m
AO2-TB-100-15-N5-940	14.4 W/m	24 V	CRI 90+	4000K	1350 Lm/m	94 Lm/W	7 m
AO2-TB-100-15-N5-950	14.4 W/m	24 V	CRI 90+	5000K	1357 Lm/m	94 Lm/W	7 m
AO2-TB-100-15-N5-957	14.4 W/m	24 V	CRI 90+	5700K	1309 Lm/m	91 Lm/W	7 m
AO2-TB-100-15-N5-965	14.4 W/m	24 V	CRI 90+	6500K	1309 Lm/m	91 Lm/W	7 m

**Specification – 48 V**

Cutting step: 125 mm

Product	Power	Voltage	CRI	CCT	Output	Efficacy	Max Run
AO2-TB-100-5-48-N5-920	4.8 W/m	48 V	CRI 90+	2000K	254 Lm/m	53 Lm/W	28.5 m
AO2-TB-100-5-48-N5-922	4.8 W/m	48 V	CRI 90+	2200K	278 Lm/m	58 Lm/W	28.5 m
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AO2-TB-100-10-48-N5-925	9.6 W/m	48 V	CRI 90+	2500K	590 Lm/m	61 Lm/W	22.5 m
AO2-TB-100-10-48-N5-927	9.6 W/m	48 V	CRI 90+	2700K	832 Lm/m	87 Lm/W	22.5 m
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AO2-TB-100-10-48-N5-957	9.6 W/m	48 V	CRI 90+	5700K	880 Lm/m	92 Lm/W	22.5 m
AO2-TB-100-10-48-N5-965	9.6 W/m	48 V	CRI 90+	6500K	880 Lm/m	92 Lm/W	22.5 m

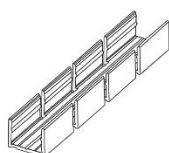
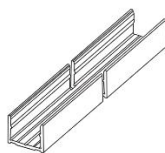
**Mounting clips**
**Linear profile**

 50 mm clip  
AR-OPF-L50

 2000 mm length  
AR-OPF-L2000


16,8 mm (0.66 in)

13 mm (0.51 in)

17,8 mm (0.7 in)

**Flexible profile**

 25 mm segments  
AR-OPF2-FT25-L2000

 50 mm segments  
AR-OPF2-FT50-L2000

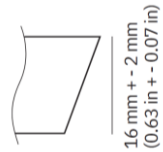
## Dimensions

### Front view



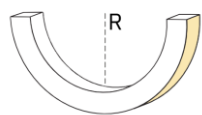
14 mm + - 1 mm  
(0.55 in + - 0.04 in)

### Side view



16 mm + - 2 mm  
(0.63 in + - 0.07 in)

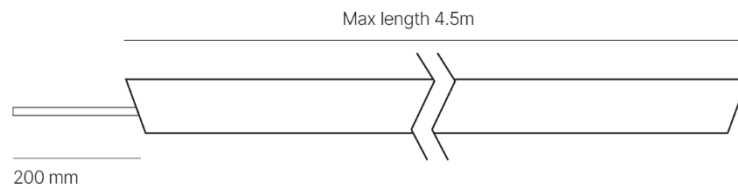
### Bend radius



R = 15cm (5,9 in)

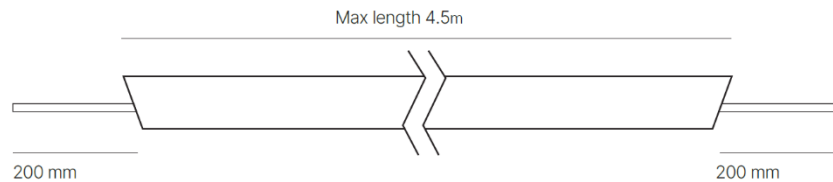
### Luminaire configuration

#### One cable



### Full configuration

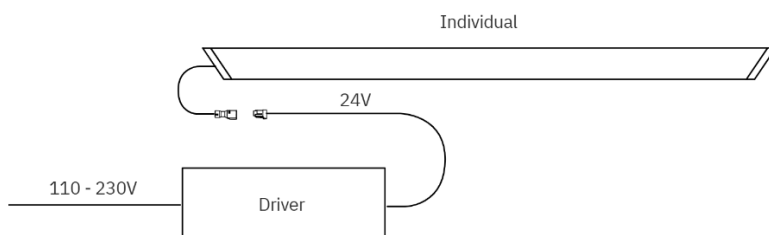
#### Two cables



Total luminaire length,  $L = C \times N + 25 \text{ mm}$  (0.98 in) where C is the cutting step and N is the number of steps.

## System diagram

### Single fixture



### Run with multiple fixtures

