

Opaline Flex SB Gen2 White

Flexible white LED line



Opaline Flex SB Gen2 is a flexible side bend white LED line designed for outdoor lighting projects that need a creative and flexible lighting solution.

With a flexible polyurethane housing, the Opaline Flex SB Gen2 can easily adjust to the geometry of building facades and structures while delivering a uniform light effect.

Fully encapsulated and protected from the elements, these high-quality LED lines are built for long-term professional applications.

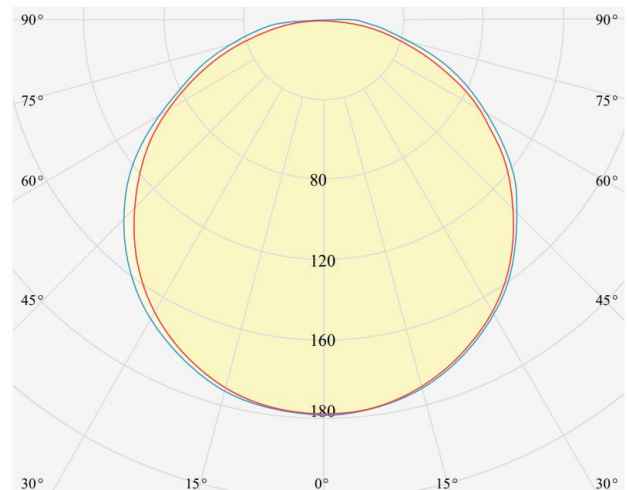
Key features

- Waterproof IP67 LED line
- Flexible side bend polyurethane housing
- UV, salt & solvent resistant
- Dimmable or switched operation
- 24V DC 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

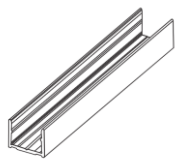


Specification – 24 V

Product	Power	Voltage	CRI	CCT	Output	Efficacy	Run Length
AO2-SB-100-5-N5-920	4.8 W/m	24 V	CRI 90+	2000K	233 Lm/m	49 Lm/W	13 m
AO2-SB-100-5-N5-922	4.8 W/m	24 V	CRI 90+	2200K	255 Lm/m	53 Lm/W	13 m
AO2-SB-100-5-N5-925	4.8 W/m	24 V	CRI 90+	2500K	274 Lm/m	57 Lm/W	13 m
AO2-SB-100-5-N5-927	4.8 W/m	24 V	CRI 90+	2700K	384 Lm/m	80 Lm/W	13 m
AO2-SB-100-5-N5-930	4.8 W/m	24 V	CRI 90+	3000K	404 Lm/m	84 Lm/W	13 m
AO2-SB-100-5-N5-935	4.8 W/m	24 V	CRI 90+	3500K	414 Lm/m	86 Lm/W	13 m
AO2-SB-100-5-N5-940	4.8 W/m	24 V	CRI 90+	4000K	420 Lm/m	87 Lm/W	13 m
AO2-SB-100-5-N5-950	4.8 W/m	24 V	CRI 90+	5000K	421 Lm/m	88 Lm/W	13 m
AO2-SB-100-5-N5-957	4.8 W/m	24 V	CRI 90+	5700K	406 Lm/m	85 Lm/W	13 m
AO2-SB-100-5-N5-965	4.8 W/m	24 V	CRI 90+	6500K	406 Lm/m	85 Lm/W	13 m
AO2-SB-100-10-N5-920	9.6 W/m	24 V	CRI 90+	2000K	460 Lm/m	48 Lm/W	9 m
AO2-SB-100-10-N5-922	9.6 W/m	24 V	CRI 90+	2200K	498 Lm/m	52 Lm/W	9 m
AO2-SB-100-10-N5-925	9.6 W/m	24 V	CRI 90+	2500K	541 Lm/m	56 Lm/W	9 m
AO2-SB-100-10-N5-927	9.6 W/m	24 V	CRI 90+	2700K	762 Lm/m	79 Lm/W	9 m
AO2-SB-100-10-N5-930	9.6 W/m	24 V	CRI 90+	3000K	800 Lm/m	83 Lm/W	9 m
AO2-SB-100-10-N5-935	9.6 W/m	24 V	CRI 90+	3500K	821 Lm/m	85 Lm/W	9 m
AO2-SB-100-10-N5-940	9.6 W/m	24 V	CRI 90+	4000K	832 Lm/m	87 Lm/W	9 m
AO2-SB-100-10-N5-950	9.6 W/m	24 V	CRI 90+	5000K	835 Lm/m	87 Lm/W	9 m
AO2-SB-100-10-N5-957	9.6 W/m	24 V	CRI 90+	5700K	806 Lm/m	84 Lm/W	9 m
AO2-SB-100-10-N5-965	9.6 W/m	24 V	CRI 90+	6500K	806 Lm/m	84 Lm/W	9 m
AO2-SB-100-15-N5-920	14.4 W/m	24 V	CRI 90+	2000K	682 Lm/m	47 Lm/W	7 m
AO2-SB-100-15-N5-922	14.4 W/m	24 V	CRI 90+	2200K	738 Lm/m	51 Lm/W	7 m
AO2-SB-100-15-N5-925	14.4 W/m	24 V	CRI 90+	2500K	800 Lm/m	56 Lm/W	7 m
AO2-SB-100-15-N5-927	14.4 W/m	24 V	CRI 90+	2700K	1132 Lm/m	79 Lm/W	7 m
AO2-SB-100-15-N5-930	14.4 W/m	24 V	CRI 90+	3000K	1190 Lm/m	83 Lm/W	7 m
AO2-SB-100-15-N5-935	14.4 W/m	24 V	CRI 90+	3500K	1220 Lm/m	85 Lm/W	7 m
AO2-SB-100-15-N5-940	14.4 W/m	24 V	CRI 90+	4000K	1237 Lm/m	86 Lm/W	7 m
AO2-SB-100-15-N5-950	14.4 W/m	24 V	CRI 90+	5000K	1243 Lm/m	86 Lm/W	7 m
AO2-SB-100-15-N5-957	14.4 W/m	24 V	CRI 90+	5700K	1199 Lm/m	83 Lm/W	7 m
AO2-SB-100-15-N5-965	14.4 W/m	24 V	CRI 90+	6500K	1199 Lm/m	83 Lm/W	7 m

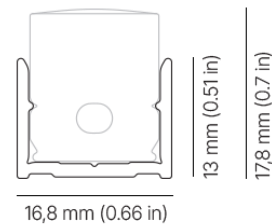
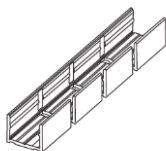
Specification – 48 V

Product	Power	Voltage	CRI	CCT	Output	Efficacy	Run Length
AO2-SB-100-5-N5-920	4.8 W/m	48 V	CRI 90+	2000K	233 Lm/m	49 Lm/W	28.5 m
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AO2-SB-100-5-N5-925	4.8 W/m	48 V	CRI 90+	2500K	274 Lm/m	57 Lm/W	28.5 m
AO2-SB-100-5-N5-927	4.8 W/m	48 V	CRI 90+	2700K	384 Lm/m	80 Lm/W	28.5 m
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AO2-SB-100-5-N5-935	4.8 W/m	48 V	CRI 90+	3500K	414 Lm/m	86 Lm/W	28.5 m
AO2-SB-100-5-N5-940	4.8 W/m	48 V	CRI 90+	4000K	420 Lm/m	87 Lm/W	28.5 m
AO2-SB-100-5-N5-950	4.8 W/m	48 V	CRI 90+	5000K	421 Lm/m	88 Lm/W	28.5 m
AO2-SB-100-5-N5-957	4.8 W/m	48 V	CRI 90+	5700K	406 Lm/m	85 Lm/W	28.5 m
AO2-SB-100-5-N5-965	4.8 W/m	48 V	CRI 90+	6500K	406 Lm/m	85 Lm/W	28.5 m
AO2-SB-100-10-N5-920	9.6 W/m	48 V	CRI 90+	2000K	460 Lm/m	48 Lm/W	22.5 m
AO2-SB-100-10-N5-922	9.6 W/m	48 V	CRI 90+	2200K	498 Lm/m	52 Lm/W	22.5 m
AO2-SB-100-10-N5-925	9.6 W/m	48 V	CRI 90+	2500K	541 Lm/m	56 Lm/W	22.5 m
AO2-SB-100-10-N5-927	9.6 W/m	48 V	CRI 90+	2700K	762 Lm/m	79 Lm/W	22.5 m
AO2-SB-100-10-N5-930	9.6 W/m	48 V	CRI 90+	3000K	800 Lm/m	83 Lm/W	22.5 m
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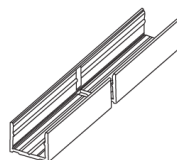
Mounting clips
Linear profile


50 mm clip
AR-OPF-L50

2000 mm length
AR-OPF-L2000


Flexible profile


25 mm segments
AR-OPF2-FT25-L2000
(Side Bend)



50 mm segments
AR-OPF2-FT50-L2000
(Side Bend)

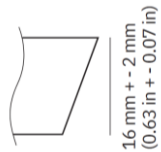
Dimensions

Front view



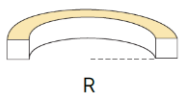
14 mm + - 1 mm
(0.55 in + - 0.04 in)

Side view



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

Bend radius

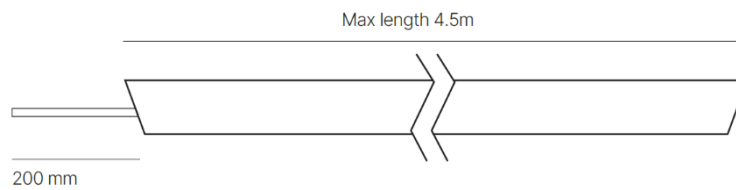


R

R = 15cm (5,9 in)

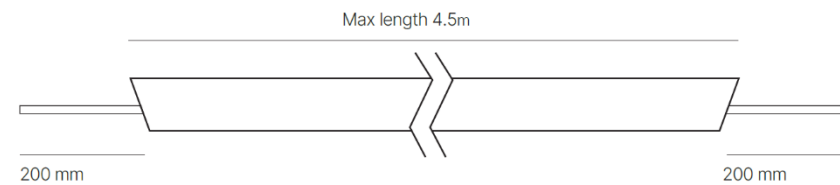
Luminaire configuration

One cable



Full configuration

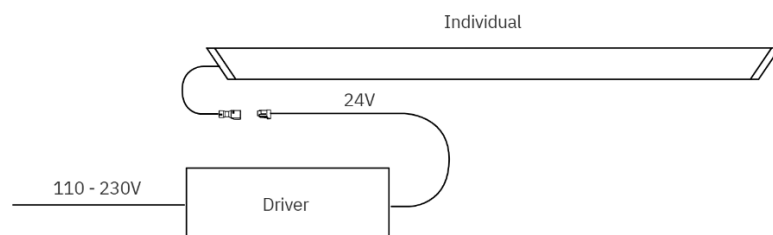
Two cables



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

