

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.

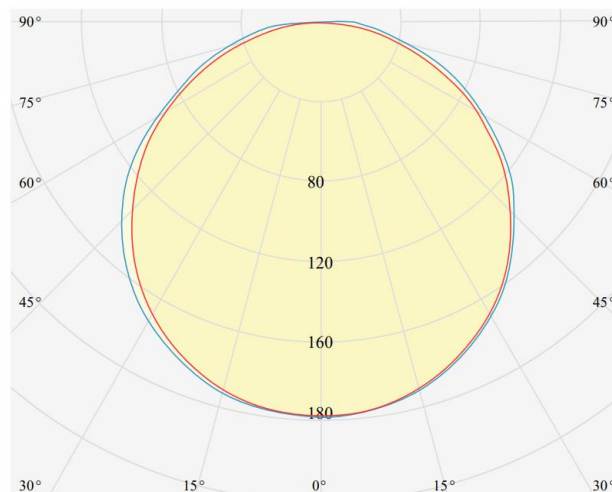
Key features

- 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
FL112/Nx.24V G5 04W 920	4.8 W/m	24 V	CRI 90+	2000K	254 Lm/m	53 Lm/W	13 m
FL112/Nx.24V G5 04W 922	4.8 W/m	24 V	CRI 90+	2200K	278 Lm/m	58 Lm/W	13 m
FL112/Nx.24V G5 04W 925	4.8 W/m	24 V	CRI 90+	2200K	299 Lm/m	62 Lm/W	13 m
FL112/Nx.24V G5 04W T927	4.8 W/m	24 V	CRI 90+	2700K	419 Lm/m	87 Lm/W	13 m
FL112/Nx.24V G5 04W T930	4.8 W/m	24 V	CRI 90+	3000K	441 Lm/m	92 Lm/W	13 m
FL112/Nx.24V G5 04W T935	4.8 W/m	24 V	CRI 90+	3500K	452 Lm/m	94 Lm/W	13 m
FL112/Nx.24V G5 04W T940	4.8 W/m	24 V	CRI 90+	4000K	458 Lm/m	95 Lm/W	13 m
FL112/Nx.24V G5 04W T950	4.8 W/m	24 V	CRI 90+	5000K	459 Lm/m	96 Lm/W	13 m
FL112/Nx.24V G5 04W T957	4.8 W/m	24 V	CRI 90+	5700K	443 Lm/m	92 Lm/W	13 m
FL112/Nx.24V G5 04W T965	4.8 W/m	24 V	CRI 90+	6500K	443 Lm/m	92 Lm/W	13 m
FL112/Nx.24V G5 09W 920	9.6 W/m	24 V	CRI 90+	2000K	503 Lm/m	52 Lm/W	9 m
FL112/Nx.24V G5 09W 922	9.6 W/m	24 V	CRI 90+	2200K	543 Lm/m	57 Lm/W	9 m
FL112/Nx.24V G5 09W 925	9.6 W/m	24 V	CRI 90+	2500K	590 Lm/m	61 Lm/W	9 m
FL112/Nx.24V G5 09W T927	9.6 W/m	24 V	CRI 90+	2700K	832 Lm/m	87 Lm/W	9 m
FL112/Nx.24V G5 09W T930	9.6 W/m	24 V	CRI 90+	3000K	874 Lm/m	91 Lm/W	9 m
FL112/Nx.24V G5 09W T935	9.6 W/m	24 V	CRI 90+	3500K	896 Lm/m	93 Lm/W	9 m
FL112/Nx.24V G5 09W T940	9.6 W/m	24 V	CRI 90+	4000K	908 Lm/m	95 Lm/W	9 m
FL112/Nx.24V G5 09W T950	9.6 W/m	24 V	CRI 90+	5000K	912 Lm/m	95 Lm/W	9 m
FL112/Nx.24V G5 09W T957	9.6 W/m	24 V	CRI 90+	5700K	880 Lm/m	92 Lm/W	9 m
FL112/Nx.24V G5 09W T965	9.6 W/m	24 V	CRI 90+	6500K	880 Lm/m	92 Lm/W	9 m
FL112/Nx.24V G5 14W 920	14.4 W/m	24 V	CRI 90+	2000K	744 Lm/m	52 Lm/W	7 m
FL112/Nx.24V G5 14W 922	14.4 W/m	24 V	CRI 90+	2200K	805 Lm/m	56 Lm/W	7 m
FL112/Nx.24V G5 14W 925	14.4 W/m	24 V	CRI 90+	2500K	874 Lm/m	61 Lm/W	7 m
FL112/Nx.24V G5 14W T927	14.4 W/m	24 V	CRI 90+	2700K	1235 Lm/m	86 Lm/W	7 m
FL112/Nx.24V G5 14W T930	14.4 W/m	24 V	CRI 90+	3000K	1298 Lm/m	90 Lm/W	7 m
FL112/Nx.24V G5 14W T935	14.4 W/m	24 V	CRI 90+	3500K	1332 Lm/m	92 Lm/W	7 m
FL112/Nx.24V G5 14W T940	14.4 W/m	24 V	CRI 90+	4000K	1350 Lm/m	94 Lm/W	7 m
FL112/Nx.24V G5 14W T950	14.4 W/m	24 V	CRI 90+	5000K	1357 Lm/m	94 Lm/W	7 m
FL112/Nx.24V G5 14W T957	14.4 W/m	24 V	CRI 90+	5700K	1309 Lm/m	91 Lm/W	7 m
FL112/Nx.24V G5 14W T965	14.4 W/m	24 V	CRI 90+	6500K	1309 Lm/m	91 Lm/W	7 m

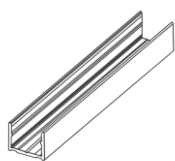
Specification – 48 V

Cutting step: 125 mm

Product	Power	Voltage	CRI	CCT	Output	Efficacy	Max Run
FL112/Nx.48V G5 04W 920	4.8 W/m	48 V	CRI 90+	2000K	254 Lm/m	53 Lm/W	28.5 m
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FL112/Nx.48V G5 04W T950	4.8 W/m	48 V	CRI 90+	5000K	459 Lm/m	96 Lm/W	28.5 m
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FL112/Nx.48V G5 04W 925	9.6 W/m	48 V	CRI 90+	2500K	590 Lm/m	61 Lm/W	22.5 m
FL112/Nx.48V G5 04W T927	9.6 W/m	48 V	CRI 90+	2700K	832 Lm/m	87 Lm/W	22.5 m
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FL112/Nx.48V G5 04W T957	9.6 W/m	48 V	CRI 90+	5700K	880 Lm/m	92 Lm/W	22.5 m
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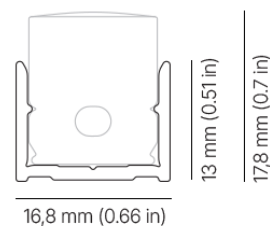
Mounting clips

Linear profile

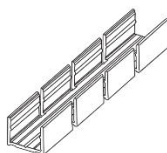


50 mm clip
AR-OPF-L50

2000 mm length
AR-OPF-L2000



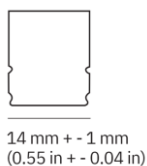
Flexible profile



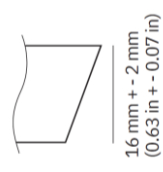
25 mm segments
AR-OPF2-FT25-L2000
(top bend)

Dimensions

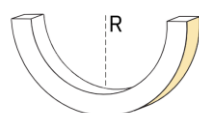
Front view



Side view



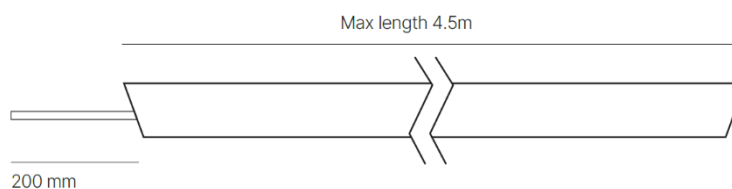
Bend radius



R = 15cm (5,9 in)

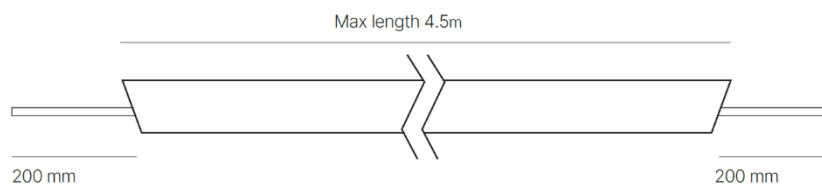
Luminaire configuration

One cable



Full configuration

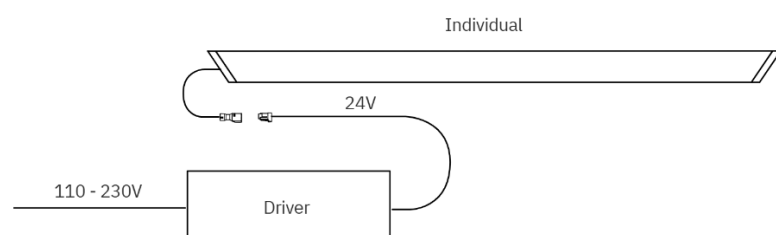
Two cables



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

