

# FLOS

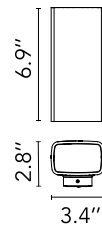
F1110U33 Anthracite

## Climber Down - 87 Non Dimmable Anthracite

Designed by Piero Lissoni



Outdoor wall-mounted luminaire with LED light source. Single downwards emission version. EN AB-47100 aluminium die-cast body with low copper content. Asymmetrical optics housing: the optics in the lower part is retracted and protected by a shield to limit bothersome glare and maximize visual comfort. The micro-texturized glass diffusers are glued to ensure water resistance and texturized to ensure a uniform light beam generated by each individual LED, maintaining excellent lighting efficiency. High-resistance coating: after sandblasting all components to create a porous surface and ensure greater adhesion of the paint, a double layer of external coating is applied according to the QUALICOAT standard. The first layer of epoxy powder confers chemical and mechanical resistance; the second layer, a polyester powder finish, ensures resistance to UV rays and atmospheric agents. The painted surfaces are treated with alkaline and acid washes, then rinsed with demineralized water and subjected to a chemical conversion treatment for rust protection. Integrated 110/240 V power supply. Supplied with an 80-mm length of neoprene cable.



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### Download

[Family spec sheet](#)  ZIP

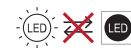
[Mounting instructions](#)  ZIP

### Photometric Files

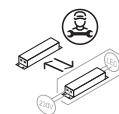
[LDT / IES](#)  ZIP

### Ecodesign and Energy Labelling

This product contains a light source of energy efficiency class E



Non-replaceable light source



Replaceable control gear by a professional

## Main specifications

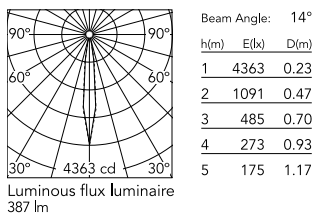
Mounting	Wall
Environments	Outdoor wet location
Light Source Type	LED
LED type	Power LED
Lamp category	LED
Ilcos	No
Number of heads	1
Power (W)	7
System power (W)	7
System flux (lm)	387

## Physical

Color	Anthracite
Orientation	Fixed
Net weight (lb)	2.58
IP internal	65



## Schematic light drawing



## Photometric

Lighting type	Direct
Light distribution	Symmetric
CCT (K)	2700
CRI>	80
Beam angle C0-180 (°)	14
Beam angle C90-270 (°)	14

## Electrical

Insulation class	I
Frequency (Hz)	50-60
Main voltage (Vac)	100-120
Driver	Integrated
Dimmable	No
Dimming type	Non Dimmable
Emergency type	No

## Notes

We recommend using a connection system with a degree of protection greater than or equal to the degree of protection of the luminaire.

During the installation and the maintenance of the fixtures it is important to be careful and avoid damages on the paint coating.

Damages on the coating exposed to outdoor conditions or water, could cause corrosion.

Chemical substances affect the anticorrosion covering protection.

For LED fixtures, there is evidence that most of the damages are connected to electrical effects related to the insulations, which cause destructive electrical discharges

These effects are frequently caused by:

- over voltage coming from the mains' network where fixture is connected.
- electrostatic discharge (ESD) coming from the environment.

The use of a protective device against the overvoltage on the electrical installation is warmly suggest this helps to reduce the intensity of some of these phenomenon and prevent irreversible damages. The selection of the type of device to be used must be adjust on the electrical plant.

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