

# FLOS

■ F020JTLH030 Black

## Outgraze 35 Easy - Tunable White L 900mm Black

Designed by FLOS Outdoor, 2019



24V remote power supply and installation brackets to be ordered separately.  
Dimmable PWM luminaires. Sandblasted glass.

Are you a professional and your project needs consulting and support?

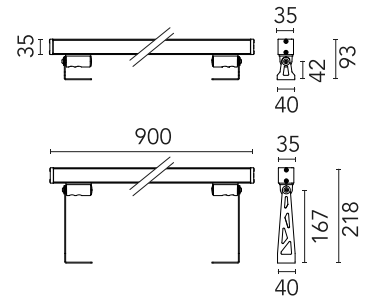
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### Main specifications

EAN	8054793340142
Mounting	Wall
Environments	Outdoor wet location
Light source type	LED
Light sources included	Yes
LED type	Top LED
Number of lamps	1
Power (W)	13
System power (W)	13
Lumen Output (lm)	360

### Physical

Colour	Black
Trim	No
Orientation	Adjustable
Transversal tilting (°)	180
Length (mm)	900
Net weight (kg)	2.39
Package height (mm)	1270
Package width (mm)	120
Package length (mm)	130
Package volume (m3)	0.02
IP internal	66
Drive Over	No



### Download

[Mounting instructions](#) ZIP

### Photometric Files

[LDT / IES](#) ZIP

### Technical Drawings

[2D](#) ZIP

[3D](#) ZIP

[Bim](#) ZIP



## Schematic light drawing



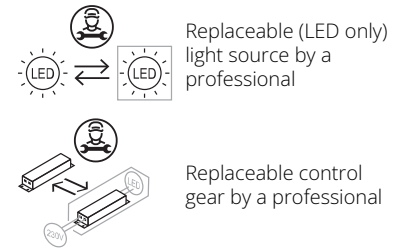
## Photometric

Lighting type	Direct
Light distribution	Symmetric
CCT (K)	2700-5700
CRI>	80
Beam angle C0-180 (°)	90
Beam angle C90-270 (°)	90

## Electrical

Insulation class	III
Main voltage (Vac)	24
Power supply	Remote
Dimmable	Yes
Power supply type	Dimmable DALI PWM, Dimmable 1-10 PWM
Dimming interface	Remote Dimmable (Dimmer Not Included)
Emergency	No

## Ecodesign and Energy Labelling



## 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.

## Accessories & Power Supply



REQUIRED  
Accessory

F021Z010000

Plug&play connector 4 poles



REQUIRED  
Accessory

F021Z090000

Double 4-pole plug&play connector + 4-pole cable, 600 mm length.



REQUIRED  
Accessory

F021Z100000

4-pole plug&play connector + 4-pole cable, 5000 mm length.



REQUIRED  
Accessory

F021Z070000

Cap for panel (on the fixtures) plug connector 4-5 poles



REQUIRED  
Accessory

F1204030

One pair of long brackets L 200 mm. Black



REQUIRED  
Accessory

F1203030

One pair of short brackets L 80 mm. Black



REQUIRED  
Accessory

F990C00A000

2 way terminal block 4 poles IP68 H20 stop. (ø5,5÷12mm cable)



REQUIRED  
Accessory

F990C010000

3/4 way terminal block 4 poles IP68 H20 stop. (ø5,5÷12mm cable)



REQUIRED  
Power supply

F990B27A000

Power supply 24Vdc 70W / 220-240V IP67 Class I selv. Non Dimmable



REQUIRED  
Power supply

F990B28A000

Power supply 24Vdc 50W / 220-240V IP67 Class I selv. Non Dimmable



REQUIRED  
Power supply

F990B29A000

Power supply 24Vdc 100W / 220-240V IP67 Class I selv.Non Dimmable