

# FLOS

F018D35D018 Deep Brown

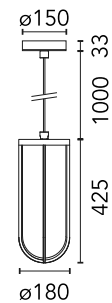
## In Vitro Suspension Dimmable DALI

Designed by Philippe Starck, 2020



Outdoor suspension lamp emitting diffused light. Opalescent diffuser integrated in the head with external transparent borosilicate safety glass. Structure in extruded and die-cast aluminium treated with chemical conversion process and powder-coated finish. Integrated LED light source with Edge Lighting technology. Integrated 220–240V ON/OFF, 1–10 V or DALI dimmable power supply housed in the ceiling attachment. Suspension cable length 1000 mm.

Designed by Philippe Starck, In Vitro is an elegant outdoor lighting collection inspired by the idea of a contemporary lantern. An elegant, minimal frame creates the illusion of an empty glass volume, illuminated from within like a pure architectural form of light. Suspended in space, In Vitro Suspension reads as a floating volume of light, calm and atmospheric. The design captures Starck's signature balance of minimalism and innovation, resulting in a poetic yet highly functional light for outdoor environments.



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### Main specifications

EAN	8054793317632
Mounting	Suspension
Light source type	LED
Light sources included	Yes
LED type	Edge Lighting
Number of lamps	1
System power (W)	13
Lumen Output (lm)	855

### Physical

Colour	Deep Brown
Trim	No
Orientation	Fixed
Net weight (kg)	4.56
Package height (mm)	235
Package width (mm)	655
Package length (mm)	385
Package volume (m3)	0.06
IP internal	66
IP external	66

### Download

[Mounting instructions](#)  ZIP

### Photometric Files

[LDT / IES](#)  ZIP

### Technical Drawings

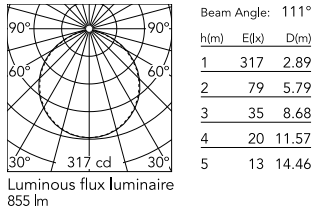
[2D](#)  ZIP

[3D](#)  ZIP

[Bim](#)  ZIP



## Schematic light drawing



## Photometric

Lighting type	Direct
Light distribution	Symmetric
CCT (K)	3000
CRI>	80
Beam angle C0-180 (°)	111
Beam angle C90-270 (°)	111

## Electrical

Insulation class	I
Frequency (Hz)	50/60
Main voltage (Vac)	220-240
Power supply	Integrated
Power supply type	Dimmable DALI 1
Emergency	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.

## Ecodesign and Energy Labelling

This product contains a light source of energy efficiency class F



## Accessories & Power Supply



OPTIONAL  
Accessory

F990E00A000

S.P.D. (SURGE PROTECTION  
DEVICE)