

# FLOS

05.8216.40 White

## Eclectic 90 Fixed Flat Power Led

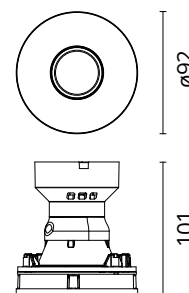
Designed by FLOS Architectural, 2022



Eclectic Ø90. Non-adjustable Downlight. "Flat" style façade. Necessary installation pre-frames, not included (to be ordered separately). Recessed position of the LED: 49° cut-off angle. IP54 water tightness. Power LED light source\*. Alternative options for lenses, orientation modules and style façades are available as spare parts.

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

BOOK AN APPOINTMENT



### Main specifications

|                        |                     |
|------------------------|---------------------|
| Mounting               | Ceiling recessed    |
| Environments           | Indoor dry location |
| Light source type      | LED                 |
| Light sources included | Yes                 |
| LED type               | Power LED           |
| Number of lamps        | 1                   |
| Power (W)              | 7                   |
| System power (W)       | 9.3                 |
| Lumen Output (lm)      | 408                 |
| Efficacy (lm/W)        | 58                  |

### Physical

|                     |       |
|---------------------|-------|
| Colour              | White |
| Orientation         | Fixed |
| Recessed depth (mm) | 114   |
| Spot diameter (mm)  | 95    |
| Length (mm)         | 95    |
| Net weight (kg)     | 0.35  |
| Package height (mm) | 157   |
| Package width (mm)  | 210   |
| Package length (mm) | 135   |
| IP internal         | 54    |

### Download

Mounting instructions [↓ PDF](#)

### Photometric Files

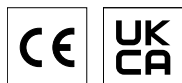
LDT / IES [↓ ZIP](#)

### Technical Drawings

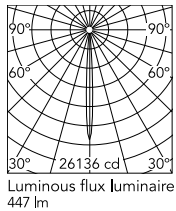
2D [↓ ZIP](#)

3D [↓ ZIP](#)

[🔒 Bim](#) [↓ ZIP](#)



## Schematic light drawing



Beam Angle: 7°

| h(m) | E(lx) | D(m) |
|------|-------|------|
| 1    | 26136 | 0.12 |
| 2    | 6534  | 0.23 |
| 3    | 2904  | 0.35 |
| 4    | 1634  | 0.46 |
| 5    | 1045  | 0.58 |

## Photometric

|                          |                        |
|--------------------------|------------------------|
| Lighting type            | Direct                 |
| Light distribution       | Symmetric              |
| CCT (K)                  | 3000                   |
| CRI>                     | 90                     |
| McAdam steps (SDCM)      | 2                      |
| Rf fidelity index        | 92                     |
| Rg gamut index           | 100                    |
| LED Life / Failure Ratio | L90B50>60.000h_Tc=85°C |
| Beam angle C0-180 (°)    | 8                      |
| Beam angle C90-270 (°)   | 8                      |
| UGR <sub>L</sub>         | <10                    |

## Electrical

|                   |  |
|-------------------|--|
| Insulation class  | III  |
| LED current (mA)  | 600  |
| Power supply      | Remote   |
| Dimmable          | Yes  |
| Power supply type | Dimmable DALI 2,<br>Dimmable 0-10V,<br>Dimmable Casambi,<br>Dimmable Push,<br>Dimmable 1-10V,<br>Mains Cut Dimming |

## Ecodesign and Energy Labelling

This product contains a light source of energy efficiency class F



## Notes

The combination of models using Power LED and Array LED light sources can lead to slight differences in the chromaticity of the light. It is recommended to use the same light source in shared spaces.

## Accessories & Power Supply



REQUIRED  
Power supply

Electrical

60.9162

Continuous current power supply 220/240V - 50/60Hz. Adjustable Current 300mA-13W / 350mA-15W / 400mA-18W / 450mA-20W / 500mA-22W / 550mA-24W / 600mA-27W / 650mA-29W / 700mA-31W / 750mA-32W / 800mA-33W / 850mA-35W / 900mA-38W / 950mA-40W / 1000/1050mA-4...



REQUIRED  
Power supply

Electrical

60.9592

Non dimmable continuous current power supply. 15-30W, 220/240V -50/60Hz with power current selected through adjustable switch. 350mA - 15W / 400mA - 17W / 450mA - 19W / 500mA - 22W / 550mA - 24W / 600mA - 26W / 650mA - 28W / 700mA - 30W.



REQUIRED  
Power supply

Electrical

60.9208

Continuous current power supply of 13-20W - Dim 1-10V&Push - 110/240V - 50/60Hz with power current selected through adjustable



REQUIRED  
Power supply

Electrical

60.9845

Continuous current power supply 40W, 220/240V - 50/60Hz with power current selected through adjustable switch. Dimmable 0-10V/PWM/RX. Output current: 1050mA - 40W / 1000mA - 40W / 950mA - 40W / 900mA - 37W / 850mA - 35W / 800mA - 33W / 750mA - 31W / 70...



REQUIRED  
Power supply

Electrical

60.9713.0600

600mA, 20 W, 220/240 V - 50/60 Hz constant current power supply. Dimmable by Dali2



REQUIRED  
Power supply

Electrical

60.7678



REQUIRED  
Frame

Installation

08.0671.14

Trim Frame



REQUIRED  
Frame

Installation

08.0671.40

Trim Frame

Continuous current supply  
source of 240V - 50/60Hz with  
dimmable Dali 2, Push dimming.  
150mA - 7.8W / 200mA - 10.4W /  
250mA - 13W / 300mA - 15.6W /  
350mA - 18.2W / 400mA - 20.8W  
/ 500mA - 26W / 600mA - 31.2W  
/ 700mA - 36.4W / 750mA - 39W  
/ 800mA - 41.6...



REQUIRED  
Frame

Installation

08.0673.00

No Trim Frame



REQUIRED  
Power supply

Electrical

60.7785

Constant current power supply  
42W, 220-240V CASAMBI  
dimnable.



REQUIRED  
Power supply

Electrical

60.9467

Mains dimming 20W Constant  
current power supply, AC phase-  
cut adjustable, trailing & leading  
edge dimming, 220/240V -  
50/60Hz, with dip-switch  
programmable power supply  
current. Output current: 900mA -  
20W / 850mA - 20W / 800mA -  
20W / 750mA - 20W / 70...



OPTIONAL  
Accessory

Optical

08.0728.00

Honeycomb for Eclectic 90



OPTIONAL  
Filter

Optical

08.0735.00

Colour Temperature Increaser  
Filter for Eclectic 90



OPTIONAL  
Filter

Optical

08.0736.00

Colour Temperature Decreaser  
for Eclectic 90

## Spare Parts



|   |            |
|---|------------|
| Super Spot Lens for Eclectic 90 Power Led | 08.0718.00 |
| Spot Lens for Eclectic 90 Power Led       | 08.0719.00 |
| Medium Lens for Eclectic 90 Power Led     | 08.0720.00 |
| Cone Frontal for Eclectic 90              | 08.0724.14 |
| Cone Frontal for Eclectic 90              | 08.0724.40 |
| Soft Frontal for Eclectic 90              | 08.0725.14 |
| Soft Frontal for Eclectic 90              | 08.0725.40 |
| Flat Frontal for Eclectic 90              | 08.0726.14 |
| Flat Frontal for Eclectic 90              | 08.0726.40 |
| Module Fix for Eclectic 90                | 08.0741.00 |
| Module Adjustable for Eclectic 90         | 08.0742.00 |



08.0718.00  
Super Spot Lens for Eclectic 90  
Power Led



08.0719.00  
Spot Lens for Eclectic 90 Power  
Led



08.0720.00  
Medium Lens for Eclectic 90  
Power Led



08.0724.14  
Cone Frontal for Eclectic 90



08.0724.40  
Cone Frontal for Eclectic 90



08.0725.14  
Soft Frontal for Eclectic 90



08.0725.40  
Soft Frontal for Eclectic 90



08.0726.14  
Flat Frontal for Eclectic 90



08.0726.40

Flat Frontal for Eclectic 90



08.0741.00

Module Fix for Eclectic 90



08.0742.00

Module Adjustable for Eclectic 90