Flare

Efficiency and comfort with LED

ETAP

EXCELLENT LIGHTING, SAVING ENERGY

Flare | Downlights and spots with LED technology

Mun product design*

Flare, a unique design concept

Flare is a complete family of round downlights and spots. They provide efficient and appealing lighting for offices, shops and public buildings. Flare incorporates state of the art LED technology in an attractive design. The specific design of Flare is the result of our constant search for optimal lighting performance, long functional life, sustainability and low life cycle cost.

Perfect light distribution

Flare uses individual LEDs with patented lenses. They are the core of the unique Flare lighting concept. They provide a specific light distribution for different applications in general and accent lighting.

Energy efficient lighting technology

ETAP lighting solutions are famous for their energy efficiency, and so are the Flare LED luminaires. The excellent light distribution results in fewer luminaires and lower energy consumption. The thermal management of the luminaires has been technically optimized, which results in the prolonged life time of the Flare LEDs and as Flare can be instantaneously switched or dimmed, this also increases the working life and energy saving.

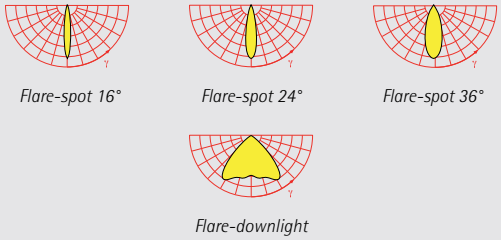
Comfortable lighting with LEDs

Flare immediately provides its full light level when switched on. A general disadvantage of LEDs is their high luminances (up to 33 million cd/m²), but with Flare the user does not have to sacrifice his lighting comfort for energy efficiency: the intense glare source of the LED is extremely well mechanically shielded and free of glare (UGR ≤ 19).

Environment friendly solutions

LED

Flare downlights and spots have the lowest energy consumption and longest functional life, compared to any spotlight or downlight, reducing energy demand and CO_2 production. The exceptional performance reduces the installed quantities of luminaires also reducing over all costs and installed recyclable materials and embedded energy.

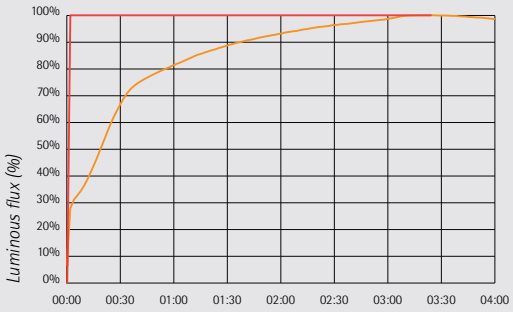


Flare-spot 16° *Flare-spot 24°* *Flare-spot 36°*

Flare-downlight

Individual lenses control the light distribution and avoid glare.

Luminous flux at start up

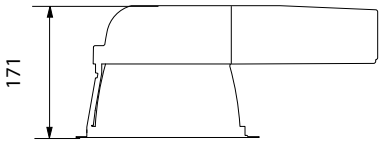


- *compact fluorescentlamp*
- *LED lamp*

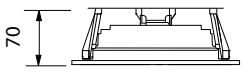
Flare | Downlight

Light, shape and colour

Flare downlights have an organic design and a perfect finish. The unique design concept is very different from conventional downlights; the diameter of 200 or 250 mm and the low height of 70 mm allow integration in any kind of architecture and can easily be retrofitted to replace older compact fluorescent downlights. Flare downlights are available with LEDs in colour temperatures of 3000K or 4000K and the body is offered as standard in 4 colour designs or any RAL colour on request.



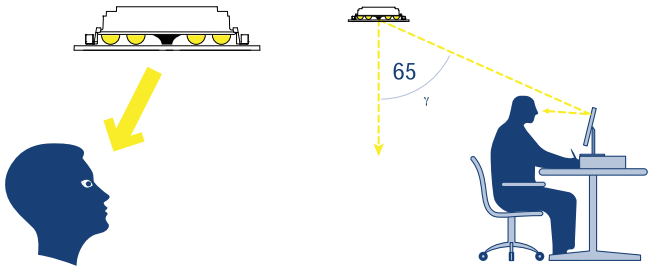
Downlight with compact fluorescent lamp



Flare downlight
Only 70 mm mounting depth

An excellent visual comfort

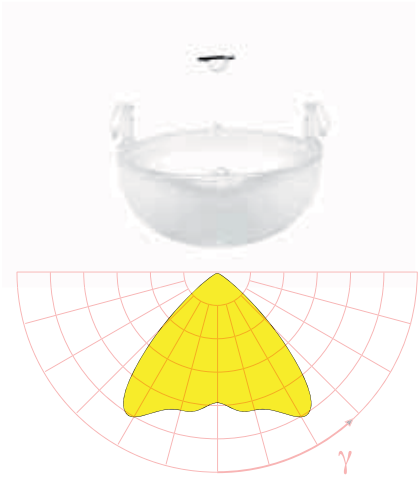
The Equilum® lenses guarantee an optimal glare control, UGR ≤ 19 and the luminance is lower than 1000cd/m² above 65°, therefore Flare is also well suited to light office workplaces. The Equilum® lenses reduce the luminance at direct viewing exposure to 50.000 cd/m² (this is comparable to a compact fluorescent lamp). A unique combination for LED downlights.



Thanks to the Equilum® lenses, Flare meets the requirements of EN12464-1, also for office workplaces.

A perfect light distribution with Equilum® lenses

Flare downlights have a wide Batwing light distribution so fewer luminaires are needed for good lighting uniformity and energy savings compared to traditional compact fluorescent downlights are significant. Flare offers a choice in luminous flux between 1200 lumen (18 LEDs) and 2600 lumen (35 LEDs), providing the light levels equivalent to a 1 x 26W till a 2 x 26W CFL downlight.



Individual LEDs with patented Equilum® lenses provide a specific light distribution

6 years warranty on Flare downlights

YEAR 6 WARRANTY

ETAP attributes in depth attention to the thermal management of the Flare downlight, this is demonstrated by the sophisticated design of the heatsink and the use of a special thermal conducting foil. This maintains the junction temperature of the LEDs beneath 65°C, which prolongs the expected lifetime. Thanks to this technical excellence ETAP offers 6 years of warranty on the Flare downlight (4 years on the electronic driver).

Patented thermal management guarantees a long lifespan and high efficiency of the LEDs.

Flare | Downlight

Installation of the LED module by twist and lock.

Easy installation

Flare is designed for a fast and easy installation; the five step procedure allows easy installation, no tools are required.

- Installation of the recessed frame with 3 retaining clips (for ceiling thicknesses of 1 to 20 mm).
- Connection of the driver with a Wieland plug.
- Installation of the driver onto the ceiling.
- Securing the LED module to the recessed frame.
- Mounting the LED module into the recessed frame with a twist and lock action.


1.


2.


3.


4.


5.


6.


7.


8.


9.

1. Ø250 mm – White housing, white LED module
2. Ø200 mm – White housing, black LED module
3. Ø250 mm – White housing, black LED module
4. Ø250 mm – Black housing, black LED module
5. Ø200 mm – Every RAL colour is possible on request
6. Ø200 mm - Black housing, black LED module
7. Ø200 mm - White housing, white LED module
8. Ø250 mm – Grey housing, grey LED module
9. Ø250 mm – White housing, black led-module – K9 integrated

Range

Flare is available in two sizes (Ø 200 and 250 mm). The luminaire housing is available in 4 standard colour combinations and can be painted in any RAL colour on request.

Integrated emergency lighting

Flare can be equipped with the K9 emergency lighting module anti panic and defined escape route distribution, perfectly integrated in the centre of the luminaires (see picture 9).

Integrated daylight control

To achieve even higher energy savings, the daylight sensor "ELS" can be integrated in the Flare downlight, this controller dims the artificial light to a preset level, depending on the amount of available interior daylight.

YEAR 6 WARRANTY

Flare | Spot

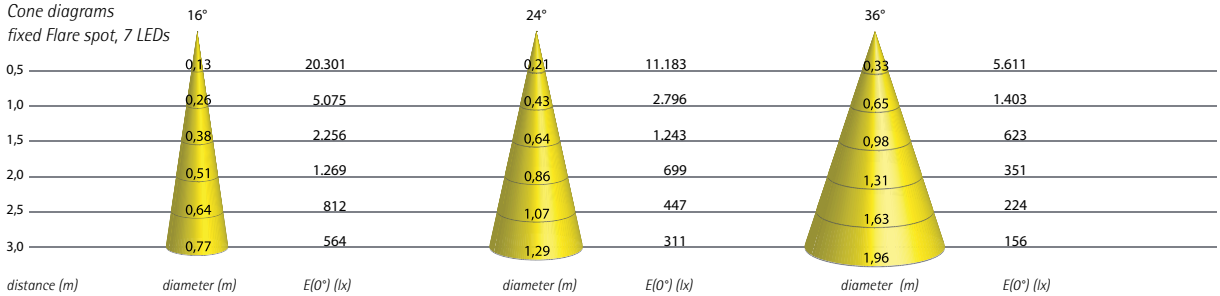
Light, shape and colour

Spots accentuate interior details and objects and they can also provide general lighting in reception areas, hotel rooms or retail areas.
Flare spot has a diameter of 98mm and offers a wide and useful range of distributions:

- 3, 4 or 7 LEDs
- fixed or adjustable (up to 25°)
- Narrow (16°), Medium (24°) or Wide (36°) beam angles
- colour temperatures of 3000K or 4000K
- 4 standard colour combinations, any RAL colour on request

Flare spots and downlights can be easily combined to realise a complete lighting concept for any architecture.

Cone diagrams
fixed Flare spot, 7 LEDs



A superior alternative to halogen

Flare spots take full advantage of LED technology, optical, electrical and thermal designs are state of the art. The combination of the low energy consumption and high light output (up to 629 lm) makes the spot an ideal alternative for halogen spots (20W, 35W and 50W).

	Halogen spot (35 W)	Flare spot (fixed, 4 LEDs)
Light output (lumen)	± 450 lm	± 400 lm
Power input	44W	7.2W
Energy costs after 50.000 h*	£ 198 / € 220	£ 32 / € 36
Number of lamp replacements after 50.000 h	± 25	none**

** at £ 0.09/kWh / € 0.10/kWh*
*** The LEDs have an expected lifetime of 50.000 h (rated when the level of light output is at 80 % of initial Lumens)*

Flexibility

The adjustable spot can be pivoted and rotated at the same time. The LED module can pivot up to 25° and rotates 350°. Thanks to a unique rotation system, only the central LED module will be rotated while the luminaire housing remains fixed in position.

The spot rotates 350°. Thanks to the unique rotation system, the housing can stay in place, when the module rotates.

Flare | Spot

Installation

Flare spots can be installed in hollow or concrete ceilings. For installation in a concrete ceiling with drilled hole, an adapted spring system is used. The adjustable spot can both be pivoted and rotated. The spots can be quickly installed and re-adjusted afterwards. The trim was specially designed to be easily mounted in most existing ceiling cut outs.

Adjustable spot, installation brackets for hollow ceilings

Fixed spot, installation brackets for concrete ceilings with drilled hole

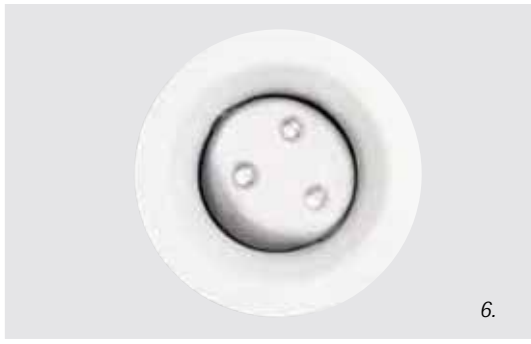

1.


2.


3.


4.


5.


6.


7.


8.


9.

Range

1. *3 LED version – White housing, white LED module*
2. *4 LED version – Grey housing, grey LED module*
3. *7 LED version – White housing, black LED module*
4. *3 LED version – White housing, black LED module*
5. *7 LED version – Every RAL colour is possible on request*
6. *3 LED version - White housing, white LED module*
7. *7 LED version - Black housing, black LED module*
8. *4 LED version – Grey housing, grey LED module*
9. *4 LED version – Black housing, black LED module*

The fixed and adjustable spots are available in a 3, 4 or 7 LED version with a narrow, medium or wide beam. The complete range can be delivered in 4 standard colour combinations, or any other RAL colour on request, without influence on the light output. All products can be combined as they share the same design and diameter.

YEAR 4 WARRANTY

Flare - one name for many solutions

A complete range
Round recessed downlights
Round fixed and adjustable spots
Any RAL colour available on request

Outstanding lighting performance
Equilum® lenses for controlled light distribution

Energy efficiency
State of the art LEDs with high light output
Optimised light distribution results in fewer luminaires
Excellent thermal engineering
Integration of lighting controls

Comfort
Low glare
Controlled cut-off angles according to European standards
Immediately 100% light when switched on

Sustainability
Long life time, minimum maintenance
Recyclable materials

Ease of installation and maintenance

6 year warranty on the Flare downlight, 4 years on the Flare spot

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