



Transparent architecture and the ever decreasing public space in cities make visual comfort and limitation of glare into criteria for outdoor luminaires as well. The floodlights of the Focalflood series produce a wide light distribution with their focal emphasis in the direction of beam and are therefore specially suited for providing efficient lighting of facade surfaces as well as broad trees and shrubbery. At the same time, Focalflood

also offers unusually good visual comfort with a cut-off angle of up to 50°: passers-by, traffic users and also those users inside the piece of architecture all profit from Focalflood's all-round glare limitation.

**General characteristics**

Focalflood floodlights are suitable for both outdoor and indoor use. The housings are made of high quality cast aluminum with special coating. On top of this, a double powder-coating in the color graphite is subsequently applied. A fixable pivot bracket with scale enables accurately setting the angle of tilt. All electric wiring and cables are routed internally. Focalflood with mounting plates or

with mounting brackets are available for the mechanical and electrical connections. All Focalflood luminaires are fitted with flood reflectors which produce a focused center of light.

**Varychrome floodlights**



**Features**

Focalflood floodlights are to be equipped with three colored T5 fluorescent lamps of 28W. The electronic control gear is integrated inside every luminaire. Electronic control gear are offered as 1V-10V versions for control via a conventional ERCO lighting control or as a DALI version for control with digital DALI controllers. An individual color mixing is achieved by specifically controlling each individual fluorescent lamp. The evenness of the actual color mixture is ensured by reflectors, diffusers and Softec lenses. The screwed-on front unit with safety glass hinges open to facilitate lamp replacement.

**Application**

Flooding-beam light intensity distribution, with a great variety of light colors for creating colored designs on surfaces.

Floodlights with wall plate



Features

Two possibilities are available for the mechanical and electrical connections. Focalflood with mounting plates are attached directly to the mounting surface; the electrical connections and control gear are integrated inside the luminaire. Focalflood I to IV are available in four housing sizes, to suit the lamp design, power or control gear. The lamps are generally operated horizontally. To suit the lighting task, a choice is offered between double ended tungsten halogen lamps up to 500W, metal halide lamps up to 250W, high-pressure sodium vapour lamps up to 400W and compact fluorescent lamps up to 42W.

Application

Flooding, axially symmetrical light intensity distribution with a focal point; for uses including wall lighting, e.g. of entrances and facades, object illumination, lettering and inscriptions, paths, parks and landscapes, e.g. groups of trees, hedges and broad trees.

Floodlights with mounting brackets



Features

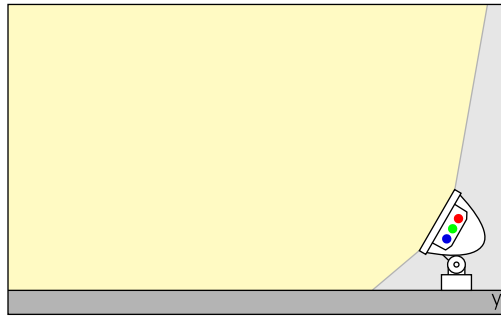
Focalflood with mounting brackets can only be attached on special mounting accessories. Upright supporting tubes, cantilever arms, adapter tubes for masts are available here. These Focalflood floodlights can also be installed on separate control gear. Focalflood I to IV are available in four housing sizes, to suit the lamp design, power or control gear. The lamps are generally operated horizontally. To suit the lighting task, a choice is offered between double ended tungsten halogen lamps up to 500W, metal halide lamps up to 250W and compact fluorescent lamps up to 42W.

Application

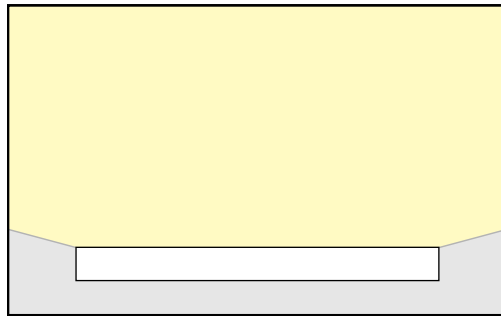
Flooding, axially symmetrical light intensity distribution with a focal point; for uses including wall lighting, e.g. of entrances and facades, object illumination, lettering and inscriptions, paths, parks and landscapes, e.g. groups of trees, hedges and broad trees.

## Lighting technology

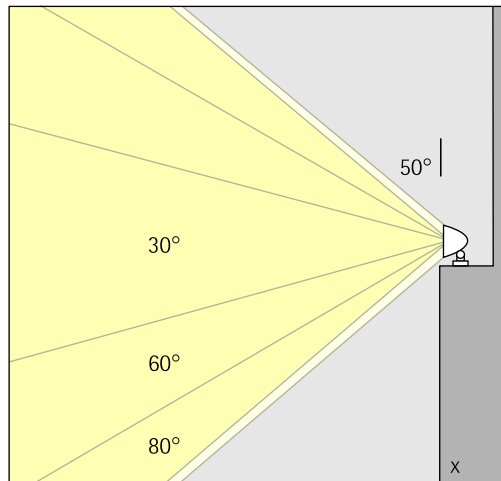
### Varychrome floodlights



T5 lamps red  
T5 lamps green  
T5 lamps blue



### Floodlights



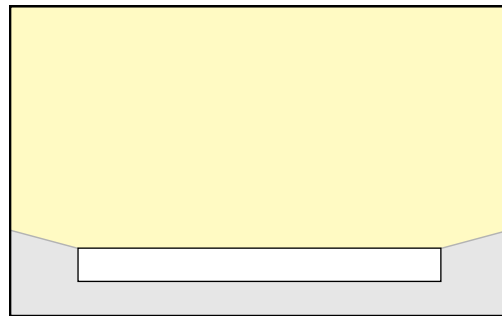
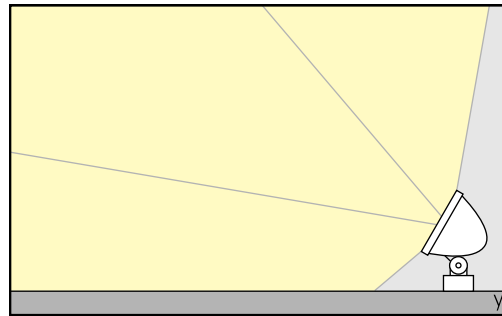
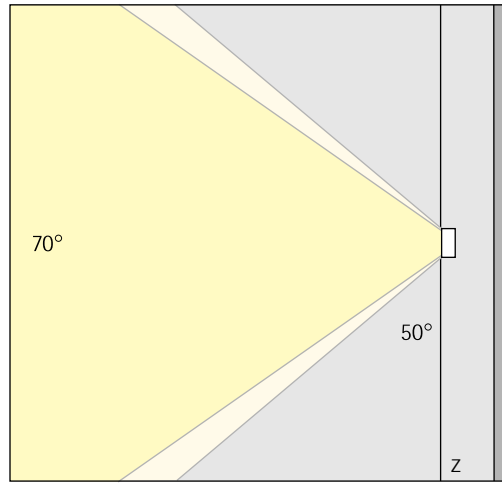
Cut-off angle 50° along the main axes

T3/T4 lamp, RSC  
T6 lamp, G12  
T6/T7 lamp, RSC  
T9.5 lamp, RSC  
T7 lamp, RSC  
CFM lamp, GX24q

Emission angle in planes y/x  
for T6/T7/T9.5: 20°...30°/70°  
for T3/T4: 40°...60°/70°  
for CFM: 60°...80°/70°

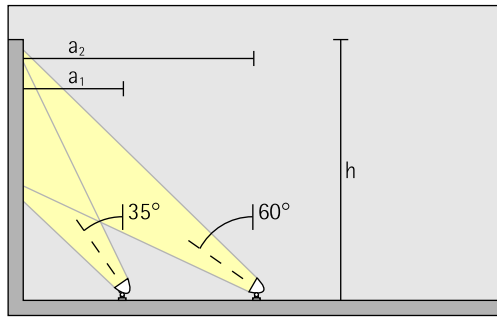
## Focalflood

Lighting technology



## Luminaire arrangement

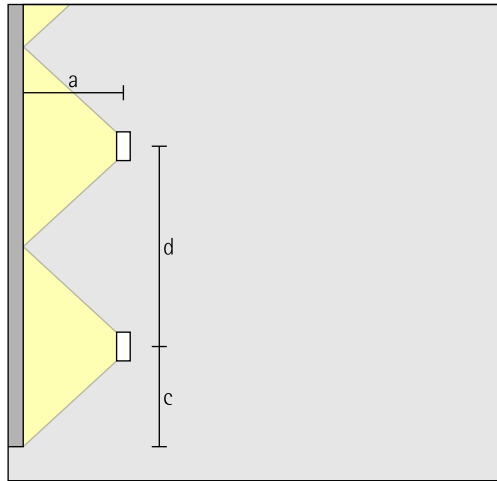
### Varychrome floodlights



Distance to wall to be between half and whole height of wall:  
 at half the height of wall, optimum illumination is at a 35° tilt  
 at the whole height of wall, the optimum illumination is at 60° tilt

$$a_1 = h/2$$

$$a_2 = h$$



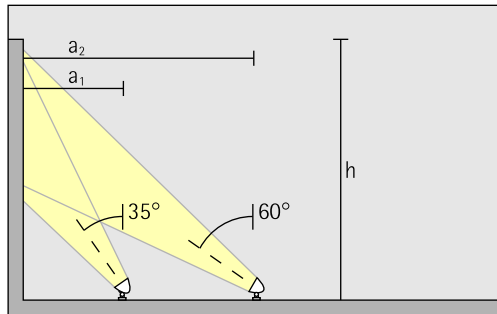
For lighting a large area: luminaire spacing - up to 2x distance from wall

$$d = 2a$$

Distance to plane of wall: half the luminaire spacing

$$c = d/2$$

### Floodlights



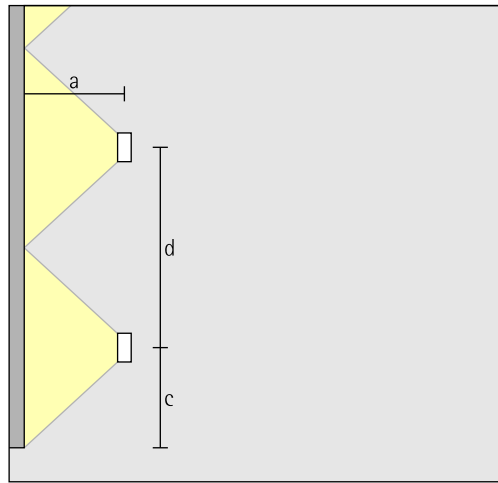
Distance to wall to be between half and whole height of wall:  
 When wall height is halved, optimum lighting attained by tilting at 35°  
 At the whole height of wall, the optimum illumination is at 60° tilt

$$a_1 = h/2$$

$$a_2 = h$$

# Focalflood

## Luminaire arrangement



For lighting a large area: Luminaire spacing - up to 2x offset from wall

$$d = 2a$$

Offset from base of wall: half the luminaire spacing

$$c = d/2$$