



Light redefined

## Siteco Floodlight 20 micro LED

Highly efficient wide-area lighting with an intelligent module and family concept. **Light is OSRAM**

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## A strong design and a strong concept

Wide-area lighting at a new level



One system, diverse options. The new Floodlight 20 LED range of floodlights redefines design possibilities with wide-area lighting, making application orientation and individuality the measure of all things.

The Floodlight 20 LED family (with micro, mini and midi construction sizes) enables building-based planar lighting to be implemented completely and with high efficiency, and at the same time with maximum demands for quality of light, functionality, design and individual needs.

### Application – task – solution.

#### Floodlight 20 micro LED

The micro construction size is the ideal solution for presenting surfaces and buildings, and using light as a designing element in architecture. The purist design of the housing is continued in the design bracket for wall connection, the lighting solution thereby seamlessly blending into aesthetically sophisticated surroundings.

The compact 29 W LED floodlight has a completely different function, with rated luminous flux of up to 3010 lm for road lighting and post-top or side entry connection: service roads and residential areas are illuminated according to standards with luminaire mounting heights of three to five metres.

The secret with such flexibility is the platform concept and modular design of the complete system, the result providing a solution that is aesthetically and functionally from one cast, for complete quality, reliability and future safety, along with a wide diversity of application options ranging from the illumination of facades in building-vicinity areas to plazas and traffic routes.

#### Floodlight 20 micro LED

##### Maximum performance, efficiency and sustainability

- Rated lifetime: 100,000 hrs (L80/B10) at 25° C
- High micro power output:
  - LED luminous flux to 4000 lm<sup>1)</sup>
  - rated luminous flux: to 3010 lm<sup>2)</sup>
- High system efficiency: to 110 lm/W
- Ambient temperature:
  - interior -25 to +40 °C, exterior -25 to +50 °C
- Luminous flux control according to needs and via intelligent ECG
- Precise planning via predefined light distribution characteristics for plaza, road and floodlighting
- Design flexibility using diverse light colours
- Future safety thanks to upgradable modular design
- Ideal installation and simple handling due to mature connections (wall, mast, cross arm)

1) LED radiation power, optical losses not subtracted.

2) Luminaire radiation power actually emitted in the visible field.  
Optical losses already subtracted.

# Outstanding requirements, an outstanding solution

## Variable optics for efficient wide-area lighting

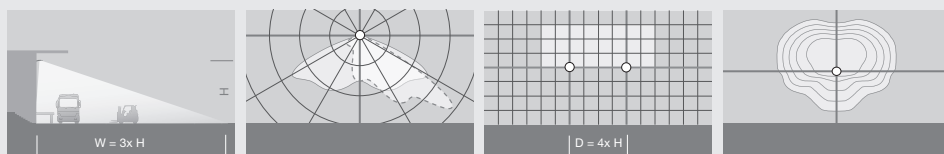
Efficient, highly precise illumination – the LED platform makes it possible to ensure one standard for the whole family. The result is more convenience and reliability with planning as well as high flexibility for individual project solutions.

The lighting technology of the Floodlight 20 LED family is based on a precisely matched LED/lens system, configured to always generate optimal lighting results for defined application geometries. This gives maximum efficiency without the need to compromise on quality of light and visual comfort.

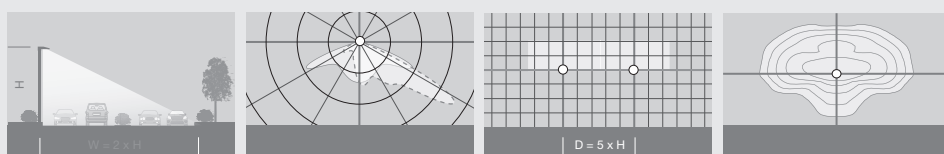
### Always the right light distribution

The micro construction size features four different light distribution characteristics matched to specific lighting demands in building-vicinity areas, for floodlighting buildings and for roads and plazas, as well as featuring two light colours (3000 K and 4000 K). This enables lighting designers to specify precisely the right configuration for their needs from a selection of eight standard solutions.

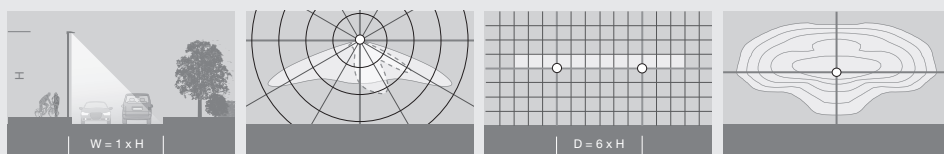
#### PL43 light distribution place, narrow beam distribution



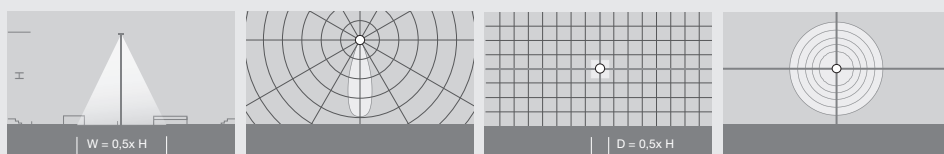
#### PL52 light distribution place, for multilane roads, wide distribution



#### PL61 light distribution place, for roads, wide distribution



#### RS17 light distribution spotlight, rotation symmetrical distribution, half beam angle 17°



# Innovative technology with an innovative concept



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[www.siteco.com/fi20-montage](http://www.siteco.com/fi20-montage)

## Modular and future-safe

A concept that provides high flexibility – the Floodlight 20 LED family is based on a modular concept permitting a wide diversity of luminaire configurations. Three connection methods are available for all three construction sizes, providing mast, cross arm and design solutions from a single luminaire.

The basis of the construction is the housing of high quality, robust diecast aluminium (IP66/IK08) for maximum application demands. This contains the intelligent ECG for individual configuration of luminous flux according to needs.

Luminaires also achieve optimum photometric results and a very long lifespan thanks to efficient thermal management.

The LED module is manufactured as part of a complex process to ensure uniformly high quality levels, in turn enabling both housing and LED module to benefit from the same high IP66 protection rating. The LED module is connected with the ECG via plug & play connection and is then mounted and securely fixed to the housing frame.



### Highly simple replacements and installation

- The intelligent ECG and housing form the basis of the module concept. It accommodates the light module and connections, and always remains the same.
- The sealed IP66 light module is connected with a plug connector. Light distribution characteristics and lumen packages are specifiable.
- The housing and bracket can also be installed first, followed by insertion of the module.
- The light module is mounted at the front and fixed at the rear.
- The module can be exchanged on the mast/cross arm or wall without the need for an ESD-safe environment.



### Mounting to cross arm or wall

With bracket for simple, functional mounting to cross arms or walls and ceilings outdoors.



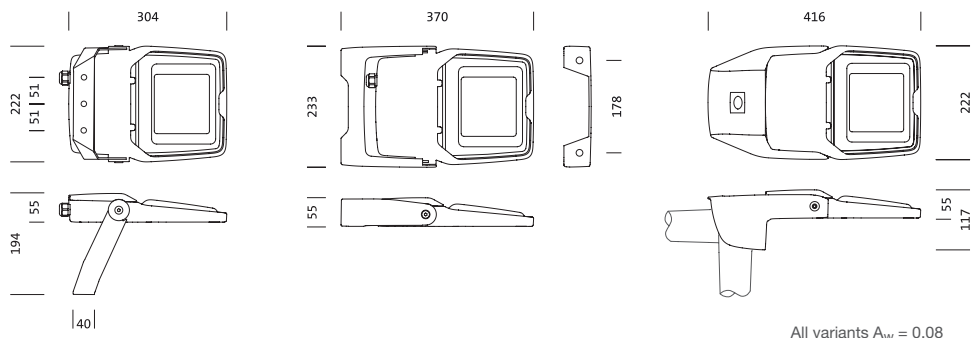
### Wall mounting

With straight design bracket for wall connections, for indoor/outdoor solutions with more sophisticated appearances. Can also be used as an uplight in indoor areas.




### Mast mounting

With mast flange adapter for post-top or side entry mounting, with use as mast luminaire with road or wide-area optic.

All variants  $A_w = 0.08$ 

### Siteco Floodlight FL 20 micro LED

- LED with lens, according to version: narrow distribution (PL43) for plazas, asymmetric wide (PL52), extremely wide distribution (PL61) for roads/paths, rotationally symmetrical distribution (RS17) for flooding;
- Microprocessor-controlled LED operating electronics\*
- Diecast aluminium housing; housing and connection in Siteco® metallic grey (DB 702S), mounting bracket of galvanised steel; design bracket and mast flange of diecast aluminium
- Cover of toughened safety glass
- LED module housing and cover sealed for life
- Plug & play LED module replaceable on mast without ESD-safe environment
- Protection rating: IP66, insulation class: I (ON/OFF), II (dimnable version). Impact resistance: IK08
- Temperature range: -25 to +50°C (interior: to +40°C)
- Service life: 100,000 hrs. (L85/B10) at  $t_a = 25^\circ\text{C}$
- Recommended mounting height: MH = 3 to 5m
- Inclination angle: 0 to +/-170° (interior: to +/-180°)

Lamps	K	lm	Light distribution	CG	Insulation class		Order No. OSRAM	Order No. Siteco
with mounting bracket, CRI > 70, Connected load 29W								
LED	4000	3010	PL43	ECG	I	3.3	4050737822365	5XA7661A2A1A
LED	4000	3010	PL52	ECG	I	3.3	4050737822082	5XA7661A2D1A
LED	4000	3010	PL61	ECG	I	3.3	4050737822372	5XA7661A2C1A
with mounting bracket, CRI > 70, Connected load 29W								
LED	3000	2735	PL43	ECG dimmable	II	3.4	4050737822020	5XA7662A1A1A
LED	3000	2735	PL52	ECG dimmable	II	3.4	4050737822037	5XA7662A1D1A
LED	3000	2735	PL61	ECG dimmable	II	3.4	4050737822266	5XA7662A1C1A
LED	3000	2735	RS17	ECG dimmable	II	3.4	4050737822303	5XA7662A1B1A
LED	4000	3010	PL43	ECG dimmable	II	3.4	4050737822105	5XA7662A2A1A
LED	4000	3010	PL52	ECG dimmable	II	3.3	4050737822136	5XA7662A2D1A
LED	4000	3010	PL61	ECG dimmable	II	3.4	4050737822228	5XA7662A2C1A
LED	4000	3010	RS17	ECG dimmable	II	3.3	4050737822150	5XA7662A2B1A
with design bracket, CRI > 70, Connected load 29W								
LED	3000	2735	PL43	ECG dimmable	II	3.3	4050737822068	5XA7662A1A3A
LED	3000	2735	PL52	ECG dimmable	II	3.3	4050737822280	5XA7662A1D3A
LED	3000	2735	PL61	ECG dimmable	II	3.3	4050737822198	5XA7662A1C3A
LED	3000	2735	RS17	ECG dimmable	II	3.3	4050737822310	5XA7662A1B3A
LED	4000	3010	PL43	ECG dimmable	II	3.3	4050737822112	5XA7662A2A3A
LED	4000	3010	PL52	ECG dimmable	II	3.2	4050737822143	5XA7662A2D3A
LED	4000	3010	PL61	ECG dimmable	II	3.3	4050737822167	5XA7662A2C3A
LED	4000	3010	RS17	ECG dimmable	II	3.2	4050737822211	5XA7662A2B3A

\* all versions with temperature monitoring for protection of LEDs from thermal overload  
Dimmable version: with integrated, programmable timer for luminous flux reduction at two levels | settable luminous flux for maximum operation and for both reduction levels | all parameters and luminous flux constancy settable via Service Box | on request: can be additionally integrated via SDI into existing digital control systems and controlled via a central control point | alternative luminous flux reduction via 230V control voltage luminaire can be operated with factory pre-setting. The pre-setting can be modified with the dismantled luminaire

\*\* Please order mast flange separately

with mast post-top mounting element\*\* CRI > 70, Connected load 29W

LED	3000	2735	PL43	ECG dimmable	II	4.0	4050737822075	5XA7662A1A4A
LED	3000	2735	PL52	ECG dimmable	II	4.0	4050737822297	5XA7662A1D4A
LED	3000	2735	PL61	ECG dimmable	II	4.0	4050737822204	5XA7662A1C4A
LED	3000	2735	RS17	ECG dimmable	II	4.0	4050737831671	5XA7662A1B4A
LED	4000	3010	PL43	ECG dimmable	II	4.0	4050737822129	5XA7662A2A4A
LED	4000	3010	PL52	ECG dimmable	II	4.0	4050737822099	5XA7662A2D4A
LED	4000	3010	PL61	ECG dimmable	II	4.0	4050737822235	5XA7662A2C4A
LED	4000	3010	RS17	ECG dimmable	II	4.0	4050737831695	5XA7662A2B4A

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