

WIBRE



LINEAR STYLE POOL LIGHTING

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Designed to wow

Every pool is a place of longing. The characteristic linear design of these luminaires creates completely new possibilities for pool and lighting design.

A must-have by night and day

Where water shines, there is always a place of relaxation and longing. With its shape, this spotlight series creates completely new possibilities for swimming pool design and lighting concepts. The clear and purist linearity brings structure to the pool.

The result is an elegant design with balanced and highly customisable lighting characteristics. Whether a small private pool, a hotel pool, a large swimming pool or a fountain as well as water attractions - the 252 and 502 can be used in a variety of ways.





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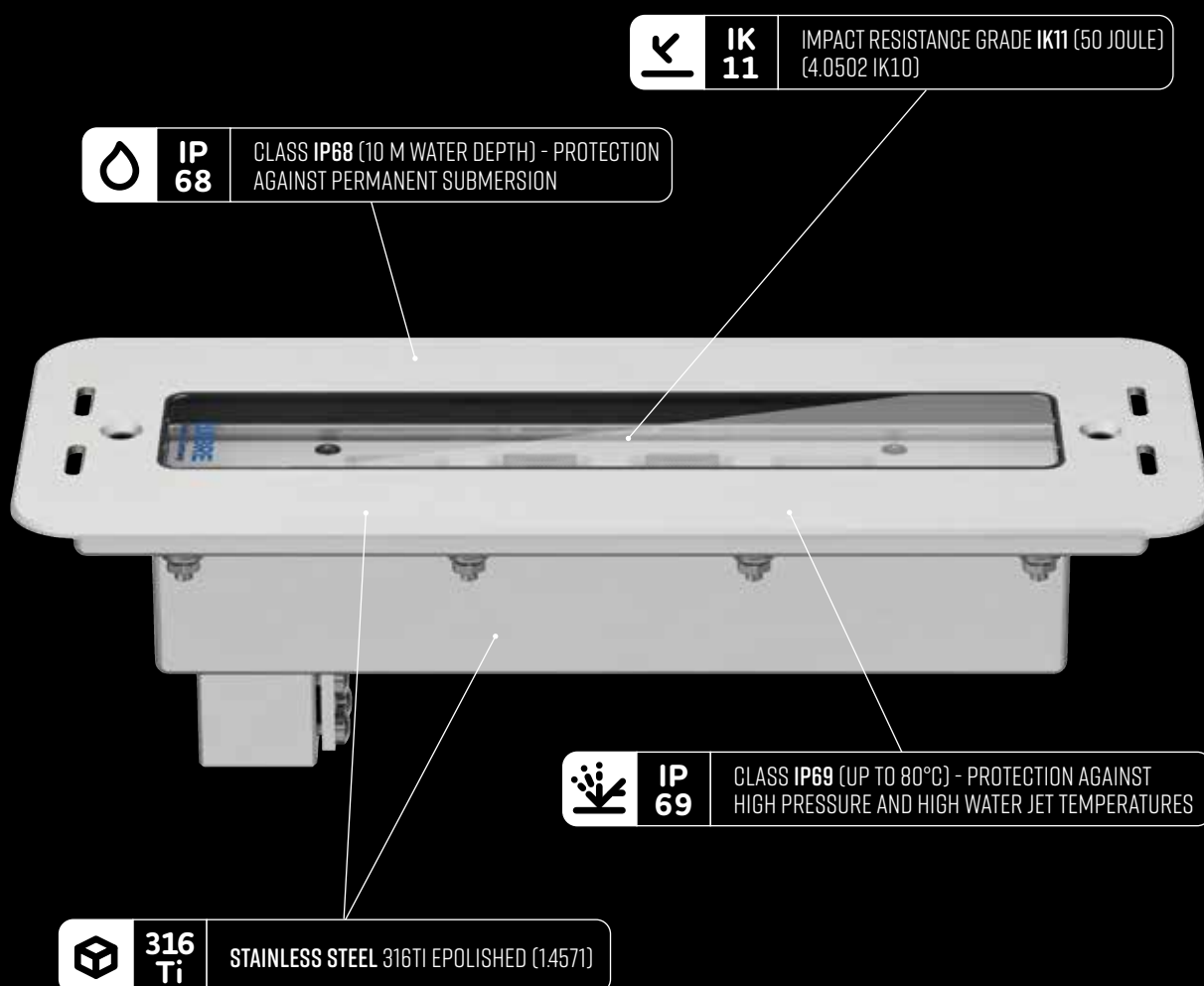
Fully featured

Equipped without compromise and with all the typical WIBRE features, the linear spotlights are an indispensable highlight for any water and pool area.

Protected to the maximum

Encased in WIBRE's typical epolished 316Ti stainless steel and topped with ultra-clear safety glass, these luminaires are protected to the maximum. Certified to protection classes IP68 and IP69, this resistance can

withstand the enormous demands under water. The maximum mechanical load capacity of IK11 or IK10 provides additional safety. All in all, these spotlights provide a first-class overall package - sustainable, durable and highly professional.



Safe from bottom to top

These linear spotlights score highly in terms of safety and attractiveness thanks to innovative developments and well thought-out product design.



Secure cable connection

The cable connection ensures safe operation of the spotlights under water. The compact stainless steel element, specially developed for these lights, completely shields the inner parts from all external influences. The cable is pre-assembled and forms a complete unit with the spotlight.

Reliably installed

In synergy with the spotlight, the installation housing is also made of 316Ti stainless steel and impresses with its robustness. The housing is suitable for concrete and stainless steel pools and provides space for sufficient cable and water circulation.



Attractive and safe

The finish is a matt stainless steel cover that only adds two millimetres to the pool wall. Furthermore, the corners are rounded to provide additional safety for swimmers.

Withstands high temperatures

The permissible water temperature of 40°C exceeds most standards. This means that the light series can easily be used in pools with high temperatures, such as thermal baths or whirlpools. In addition, the integrated intelligent temperature monitoring system protects the LED modules. Carefree use is guaranteed.



Shining character

The choice of different optics and light colours opens up endless possibilities for visual lighting design and guarantees full lighting control under water.



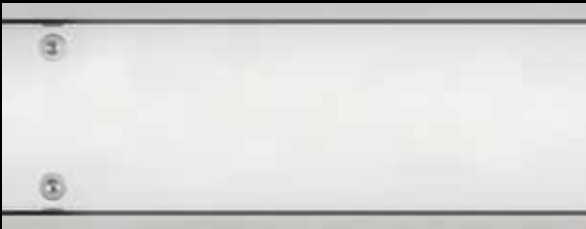
MixFlux

This beam characteristic, specially developed for swimming pools, provides a wide and deep beam angle in the water. The pool floor is fully illuminated and glare is minimised above the water.



Medium-Spot 20°

The round lenses focus the light into a rotationally symmetrical, effective cone of light. Particularly suitable for deliberate lighting design in the water and for installation in the pool floor.



Diffuse

A homogeneous and diffuse light is produced by the reduced-power version of the luminaire. No lenses or LED points are visible here, whether switched on or off. Excellent as a light line and design element in the water or as an orientation light outside the water around the pool.

Other available beam angles for customised lighting design are wide, flood and elliptical.

Application-related light colours

With underwater lighting, we want to visualise unique pool architecture as well as wellness areas. Every application has its own characteristics that need to be considered when planning lighting. A central component for a harmonious appearance and human perception is the choice of light colour. We offer a wide range of options for monochrome and dynamic light to precisely match the requirements, the different surfaces and the surroundings.





4.0252

Page 11



4.0502

Page 17





4.0252 Recessed-Spotlight

Up to 2300 lumen –
Fresh style of pool lighting



1:1 SCALE

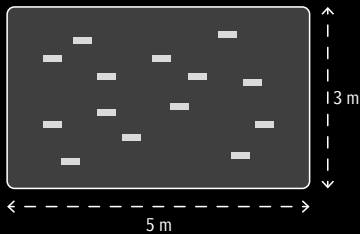
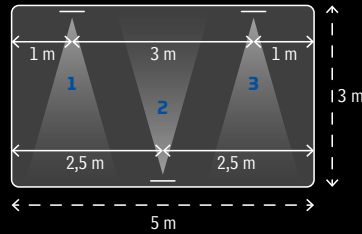
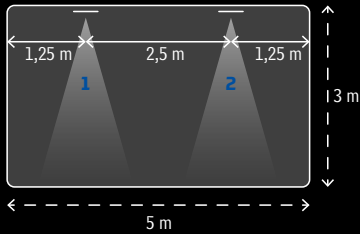
Description

- Protection class IP68 – up to 10 m water depth
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571, electropolished
- Rectangular attachment cover, made of stainless steel 316Ti, height 2 mm
- ...
- POW-LED cold white, warm white, neutral white
- MID-LED cold white, warm white, neutral white
- Multichip POW-LED RGB-W
- operating mode: constant current
- temperature controlled (onboard)
- surge protection
- light distribution especially for swimming pool lighting "asymmetric Mixflux"
- alternatively beam angle 20° medium-spot
- MID LED version with diffuse light distribution
- ...
- Constant-current power source/RGB-W-controller ordered separately
- Installation housing made of stainless steel 316Ti with 1.5 m cable protection tube
- Supplied with 5 m of special underwater cable

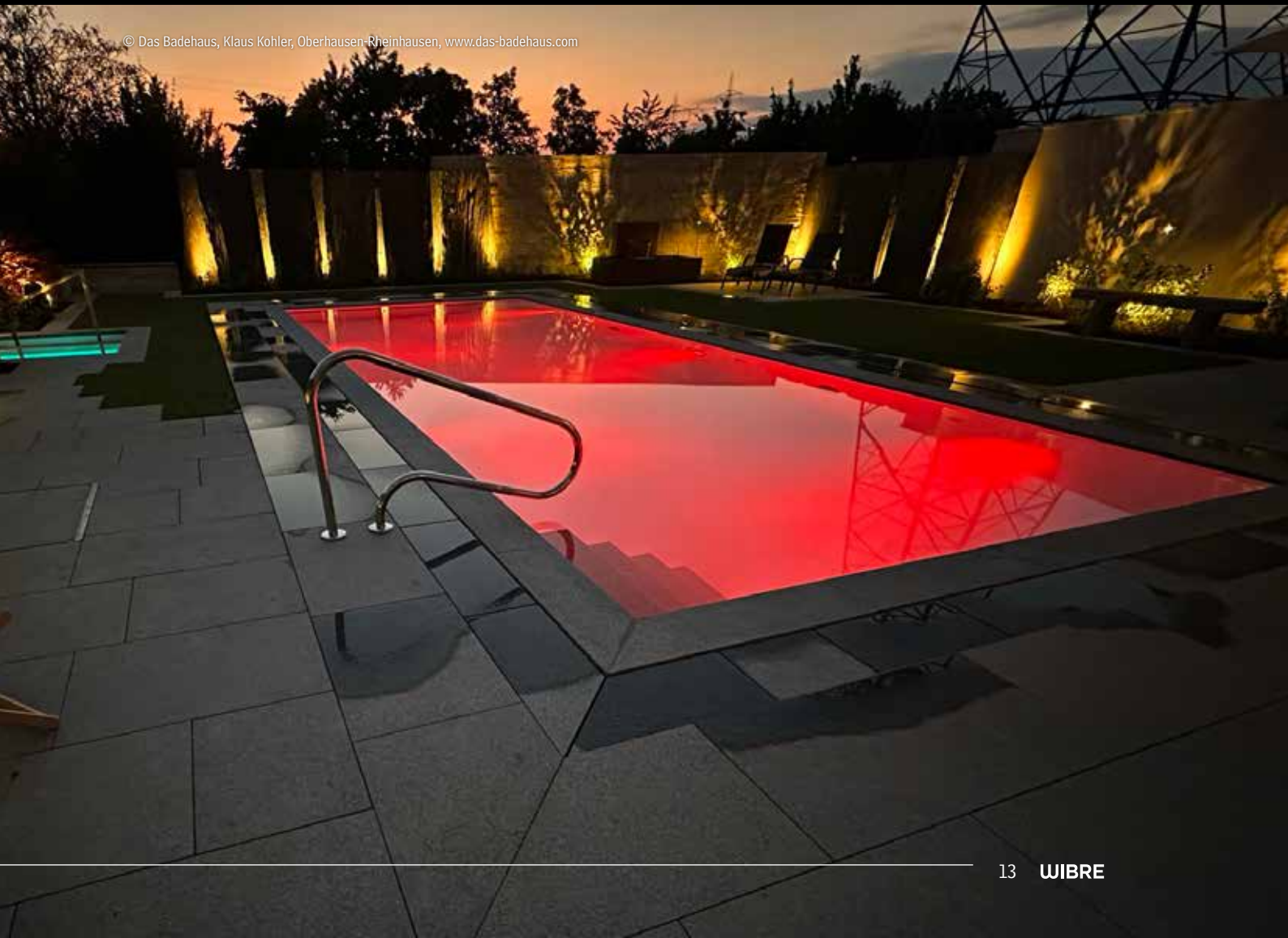
4.0252

Typical applications

For pools up to 3 or 4 metres wide, choose a single-sided arrangement or offset positioning of the spotlights on both sides. This luminaire allows for individual design - one spotlight is recommended for every 1 to 2 metres of pool length. The symmetrical or diffuse version can also be used in the pool floor - as a visual highlight or as an orientation light.



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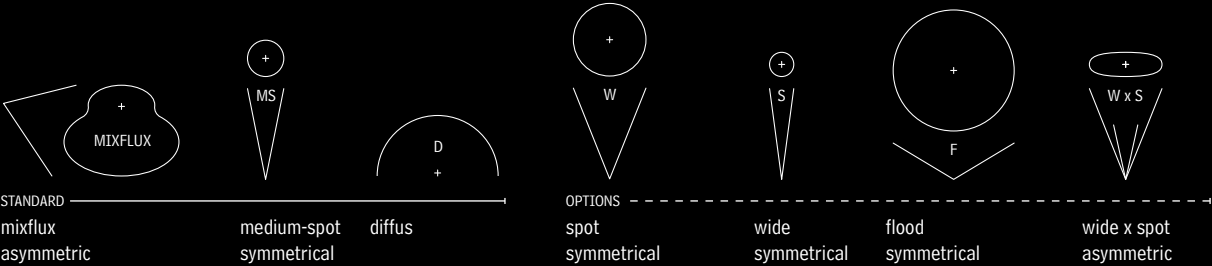


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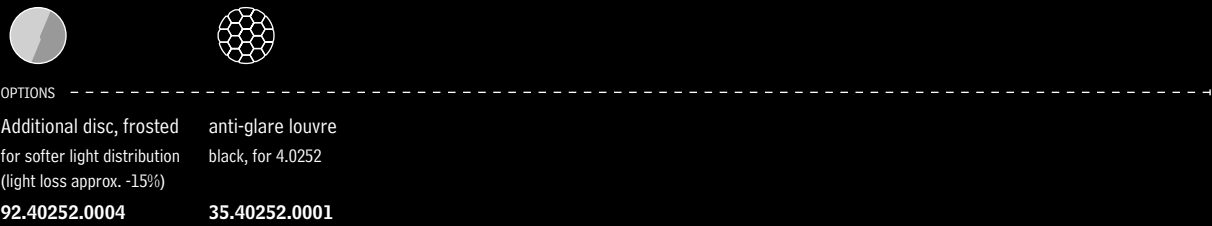
Colour temperatures



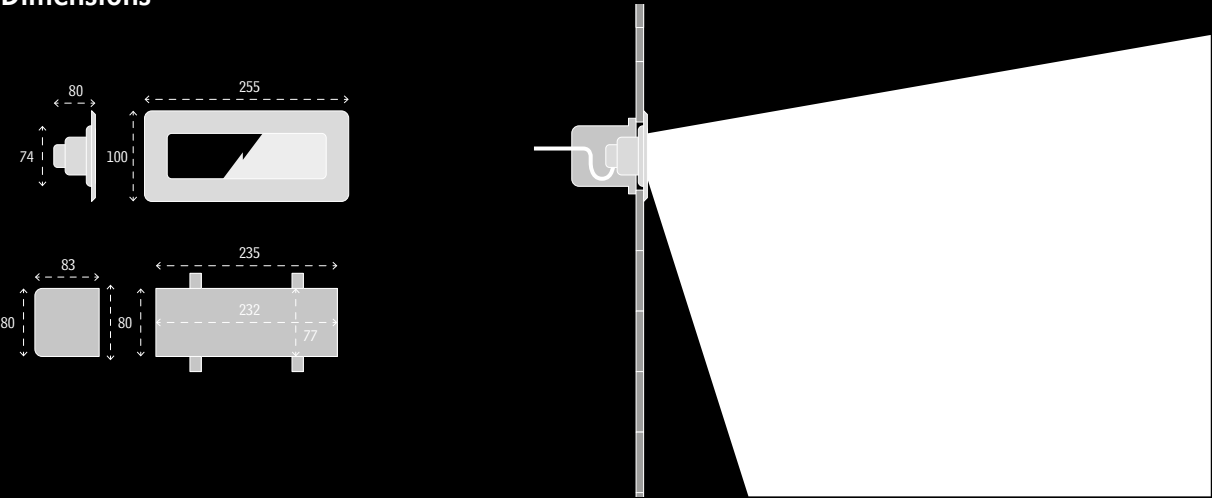
Beam angles



Additional parts



Dimensions



4.0252



IP68 IP69	IK11	STAINLESS STEEL V4A 1.4571 316Ti	3.000 K 4.500 K 6.000 K	RGB-W	CONSTANT CURRENT KONSTANT STROM	DALI 1-10 V OPTIONAL DIMM	CABLE INCL.	max 10m			CE	III		
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Monochrome illumination

Underwater environments only

#	Color	Lumen	Beam
4.0252.30.11	6000K cold white	2300 lm	asymmetric Mixflux
4.0252.30.12	3000K warm white	1880 lm	
4.0252.30.13	4500K neutral white	2010 lm	
4.0252.31.11	6000K cold white	2300 lm	20° medium spot
4.0252.31.12	3000K warm white	1880 lm	
4.0252.31.13	4500K neutral white	2010 lm	

Specifications	
LED	4 POW-LED
WATT	total 18 W
POWER	CC 1200mA @12 V-DC
CABLE	UW, 2x1,5 qmm

Control gear	Details
5.0630.10.04 max 1	→ www
5.0630.11.04 max 1 (dimnable)	
5.0630.00.04 max 1 (without mounting housing)	

Under- and overwater operations

#	Color	Lumen	Beam
4.0252.00.11	6.000K cold white	750 lm	diffuse
4.0252.00.12	3.000K warm white	722 lm	
4.0252.00.13	4.500K neutral white	750 lm	

Specifications	
LED	MID-LED
WATT	total 4 W
POWER	CC 350mA @12 V-DC
CABLE	UW, 2x0,5 qmm

Control gear	Details
5.0635.65.07 max 1	→ www

Dynamic illumination

Underwater environments only

#	Color	Lumen	Beam
4.0252.30.41	RGB-CW cold white 6000K	cold white: 580 lm	asymmetric Mixflux
4.0252.30.42	RGB-WW warm white 3000K	warm white: 500 lm	
4.0252.30.43	RGB-NW neutral white 4500K	neutral white: 540 lm	
4.0252.31.41	RGB-CW cold white 6000K	cold white: 580 lm	20° medium spot
4.0252.31.42	RGB-WW warm white 3000K	warm white: 500 lm	
4.0252.31.43	RGB-NW neutral white 4500K	neutral white: 540 lm	

Specifications	
LED	4 Multichip POW-LED
WATT	all on 17 W
POWER	CC 350mA @12 V-DC
CABLE	UW, 10x0,25 qmm

Control gear	Details
5.0635.29.52 max 2	→ www
5.0635.79.52 max 4 (only in non-walkable water)	

Installation housings



Concrete pools
with tile covering



Facing concrete pools



Stainless steel pools

4.0252.01.00

made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for installation in concrete pools with tile covering, for facing concrete and for welding into stainless steel pools

Notes

- Up to 1.5 m of cable can be stowed in the installation housing.
- Installation housing for other installation types on request



4.0502 Recessed-Spotlight

Up to 6900 lumen –
Linear full area illumination



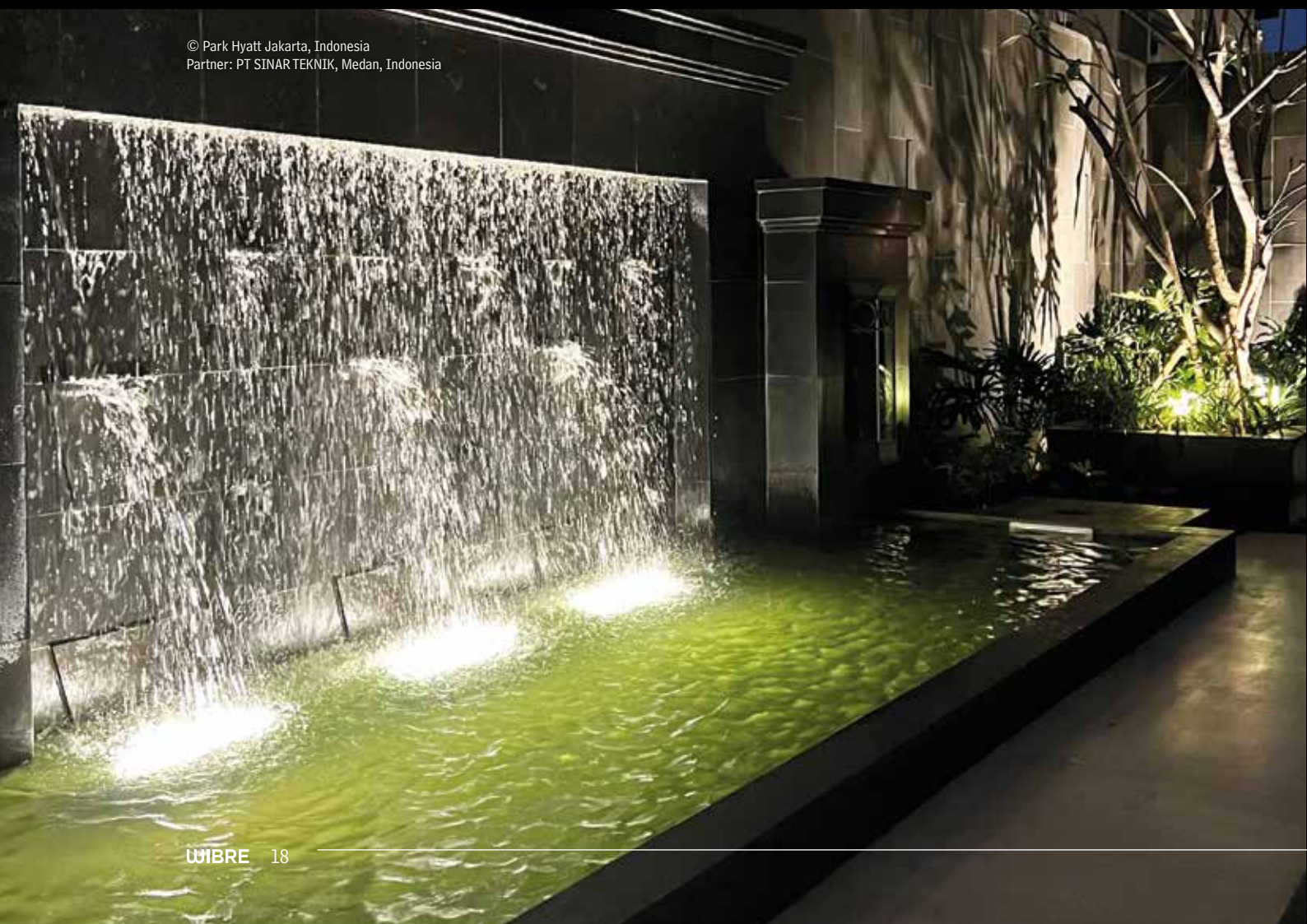
1:1 SCALE

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Description

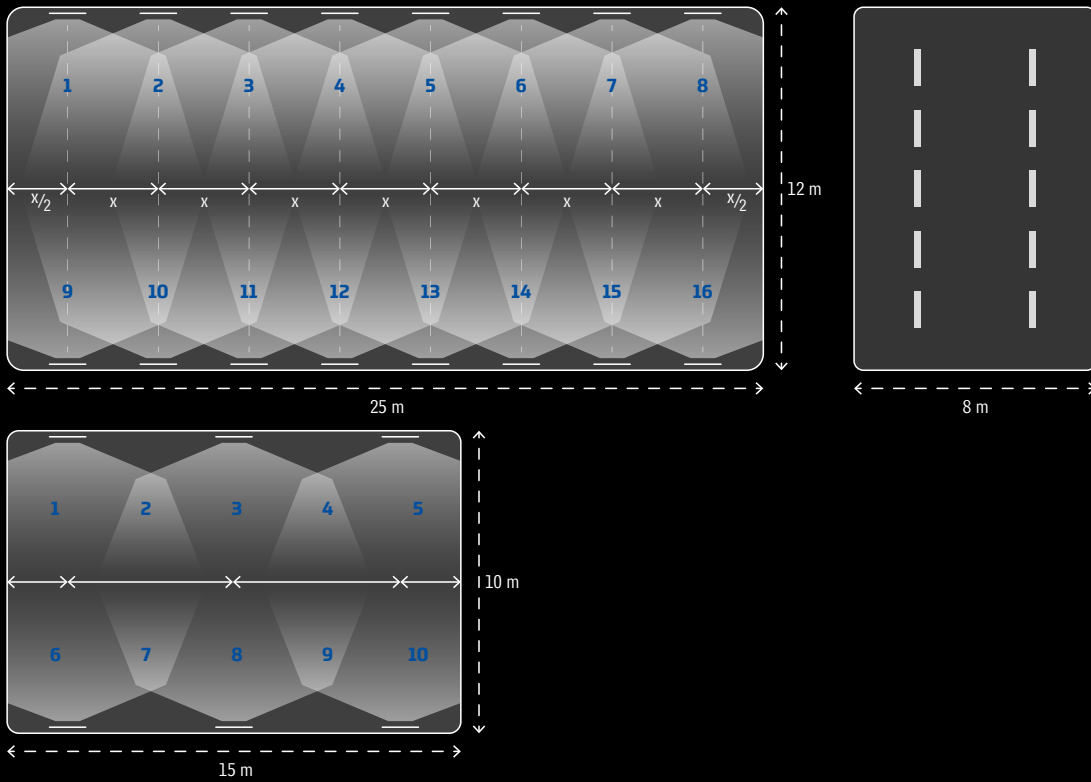
- Protection class IP68 – up to 10 m water depth
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- Entirely made of stainless steel 316Ti 1.4571, electropolished
- Rectangular attachment cover, made of stainless steel 316Ti, height 2 mm
- ...
- POW-LED cold white, warm white, neutral white
- MID-LED cold white, warm white, neutral white
- Multichip POW-LED RGB-W
- operating mode: constant current
- temperature controlled (onboard)
- surge protection
- light distribution especially for swimming pool lighting "asymmetric Mixflux"
- alternatively beam angle 20° medium-spot
- MID LED version with diffuse light distribution
- ...
- Constant-current power source/RGB-W-controller ordered separately
- Installation housing made of stainless steel 316Ti with 1.5 m cable protection tube
- Supplied with 5 m of special underwater cable

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Partner: PT SINAR TEKNIK, Medan, Indonesia



Typical applications

Starting from a pool width of 8 metres, choose an opposite arrangement of the spotlights. The distance can be defined variably, as desired. The wide light beam is designed to minimise dark areas in the pool. The positioning can be parallel or offset. For narrower pools, a one-sided arrangement makes sense. In addition, the symmetrical or diffuse version can be used in the bottom of the pool. As a visual booster and as an orientation light.

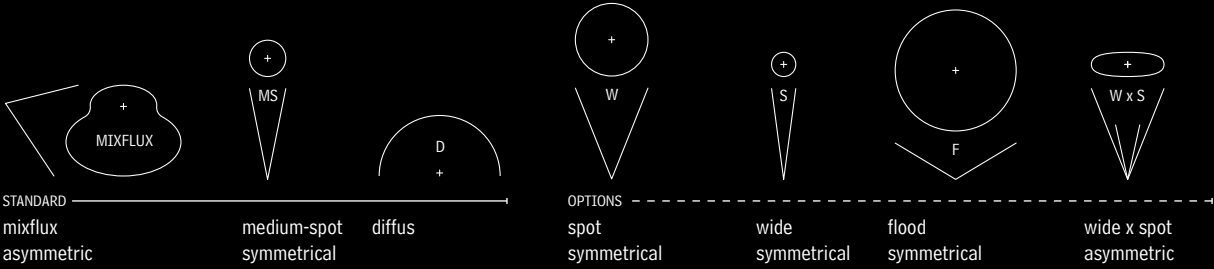


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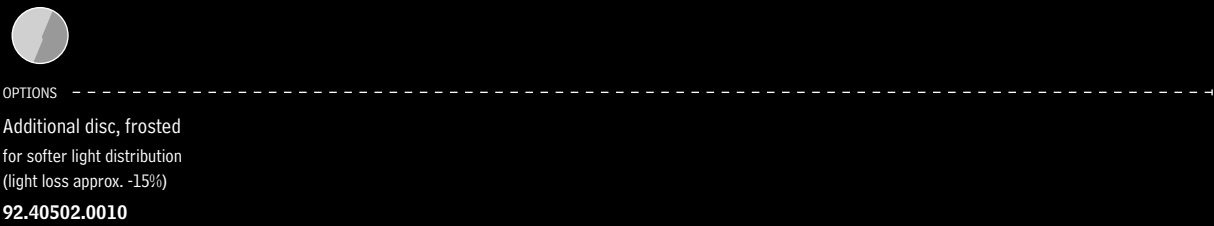
Colour temperatures



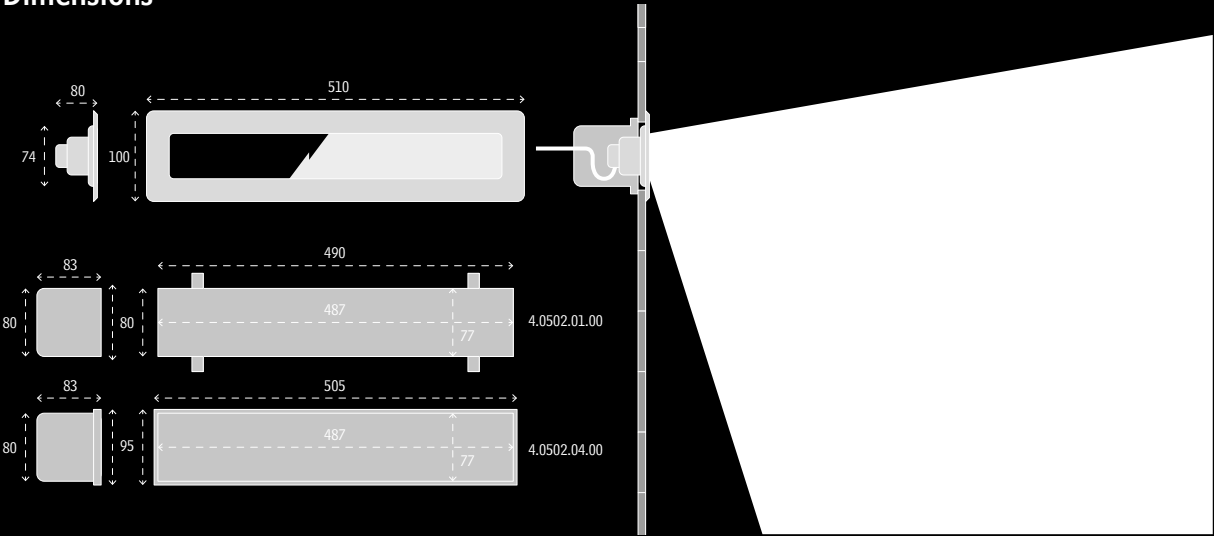
Beam angles



Additional parts



Dimensions



4.0502



IP68 IP69	IK10	STAINLESS STEEL V4A 1.4571 316Ti	3.000 K 4.500 K 6.000 K	RGB-W	CONSTANT CURRENT KONSTANT STROM	DALI 1-10 V OPTIONAL DIMM	CABLE INCL.	max 10m			CE	III		
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Monochrome illumination

Underwater environments only

#	Color	Lumen	Beam
4.0502.30.11	6000K cold white	6900 lm	asymmetric Mixflux
4.0502.30.12	3000K warm white	5640 lm	
4.0502.30.13	4500K neutral white	6036 lm	
4.0502.31.11	6000K cold white	6900 lm	20° medium spot
4.0502.31.12	3000K warm white	5640 lm	
4.0502.31.13	4500K neutral white	6036 lm	

Specifications	
LED	12 POW-LED
WATT	total 47 W
POWER	CC 3600mA @12 V-DC
CABLE	UW, 2x2,5 qmm

Control gear	Details
5.0630.10.12 max 1	→ www
5.0630.11.12 max 1 (dimmbable)	

Under- and overwater operations

#	Color	Lumen	Beam
4.0502.00.11	6.000K cold white	1125 lm	diffuse
4.0502.00.12	3.000K warm white	1083 lm	
4.0502.00.13	4.500K neutral white	1125 lm	

Specifications	
LED	MID-LED
WATT	total 6 W
POWER	CC 350mA @12 V-DC
CABLE	UW, 2x2,5 qmm

Control gear	Details
5.0635.65.07 max 1	→ www

Dynamic illumination

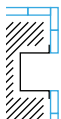
Underwater environments only

#	Color	Lumen	Beam
4.0502.30.41	RGB-CW cold white 6000K	cold white: 2100 lm	asymmetric Mixflux
4.0502.30.42	RGB-WW warm white 3000K	warm white: 1800 lm	
4.0502.30.43	RGB-NW neutral white 4500K	neutral white: 1920 lm	
4.0502.31.41	RGB-CW cold white 6000K	cold white: 2100 lm	20° medium spot
4.0502.31.42	RGB-WW warm white 3000K	warm white: 1800 lm	
4.0502.31.43	RGB-NW neutral white 4500K	neutral white: 1920 lm	

Specifications	
LED	12 Multichip POW-LED
WATT	all on 50 W
POWER	CC 1050mA @12 V-DC
CABLE	UW, 10x0,5 qmm

Control gear	Details
5.0610.29.52 max 1	→ www

Installation housings



Concrete pools
with tile covering



Facing concrete pools



Stainless steel pools

4.0502.01.00	4.0502.04.00
made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for installation in concrete pools with tile covering and for facing concrete	made of V4A stainless steel with 1.5 m protective cable tube and M20 plastic terminating connection, for welding into stainless steel pools

Notes

- Up to 2.5 m of cable can be stowed in the installation housing.
- Installation housing for other installation types on request





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PIONEERS IN IP68-LIGHTING

WIBRE

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