

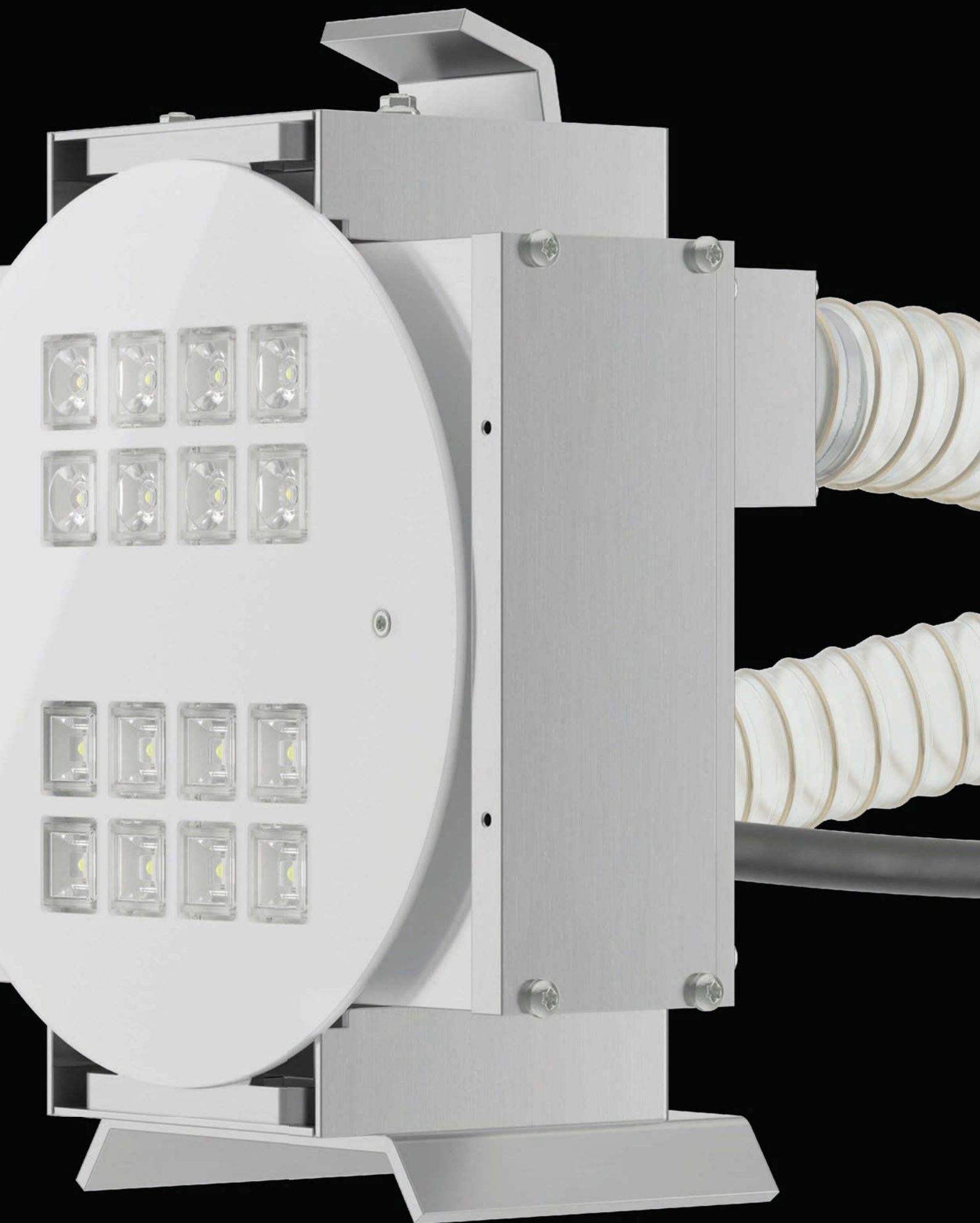
Retrofit-Insert for 4.1900

## 4.1913

The powerful LED insert for the replacement of existing sports pool spotlights (size 4.1900) with operation from the pool perimeter or the back of the pool increases the safety of swimmers and minimises maintenance and energy costs. Compared to outmoded 150-watt metal vapour lamps, it consumes only 62 watts and the frequent time-consuming replacement of lamps is no longer necessary. The light, which is directed forwards without loss, illuminates the water particularly clearly and intensively.



1:1 SCALE



4.1913 | Retrofit-Insert for 4.1900

## Up to 9300 lumen – Sustainable replacement for 150 Watt HIT

- Retrofit insertion for installation in existing spotlights 4.1900
- For retrofitting halogen to LED
- Entirely made of high-quality anodised aluminium
- ...
- POW-LED cold white, warm white, neutral white
- Multichip POW-LED RGB-W
- Operating mode mono: constant voltage
- Operating mode RGB-W: constant current
- Temperature controlled (onboard)
- Surge protection
- Light distribution especially for swimming pool lighting  
„asymmetric Mixflux“
- ...
- Delivered ready for connection
- Incl. end cover with integrated access port  
for easy installation
- Constant-voltage power source/RGB-W controller  
ordered separately
- Supplied with 2 m of special underwater cable



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## Typical applications

This retrofit insert is intended for existing 4.1900 type spotlights, which are primarily installed in sports pools. The insert has everything for a hassle-free change to LED. Better lighting power, considerably less consumption, long service life, safety and sophisticated temperature management. The latter is important in order to put the spotlight back into operation in accordance with regulations, namely as a closed unit with a cover plate.

## Colour temperatures



STANDARD

6000K  
cold white

4500K  
neutral white

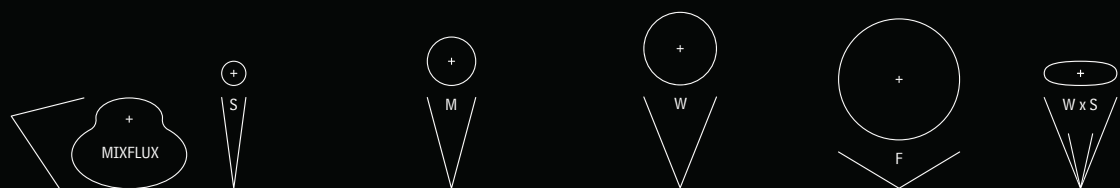
3000K  
warm white

RGB-6000K  
+ cold white

RGB-4500K  
+ neutral white

RGB-3000K  
+ warm white

## Beam angles



STANDARD

mixflux  
asymmetric

OPTIONS

spot 10°  
symmetrical

medium 25°  
symmetrical

wide 50°  
symmetrical

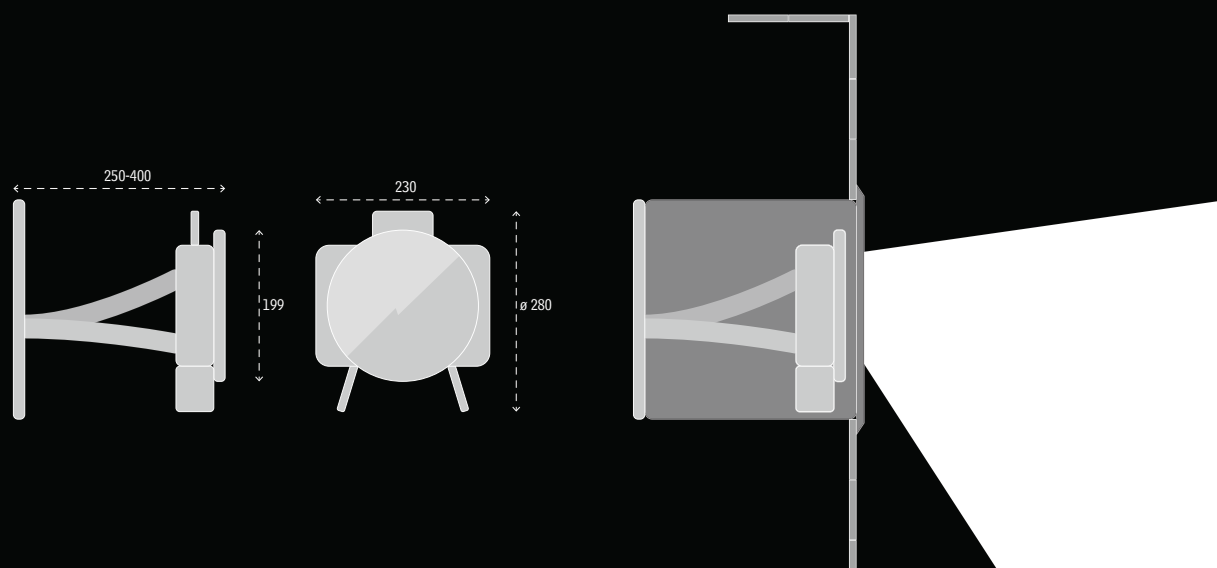
flood ≈120°  
symmetrical

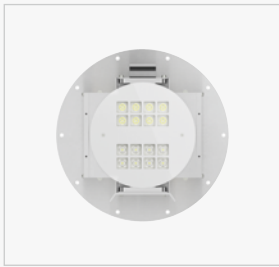
wide x spot 50x15°  
elliptical

## Notes

- Replacement/exchange requires separate agreements.
- Dimmable power supply units on request

## Dimensions





|     |                  |                                        |                                            |                |        |   |    |     |  |  |  |  |  |  |
|-----|------------------|----------------------------------------|--------------------------------------------|----------------|--------|---|----|-----|--|--|--|--|--|--|
| ALU | POW-LED<br>INCL. | 3.000 K<br>4.500 K<br>6.000 K<br>RGB-W | CONSTANT<br>CURRENT<br>CONSTANT<br>VOLTAGE | CABLE<br>INCL. | max 3m | ← | CE | III |  |  |  |  |  |  |
|-----|------------------|----------------------------------------|--------------------------------------------|----------------|--------|---|----|-----|--|--|--|--|--|--|

Underwater environments only

### Monochrome illumination

| #            | Color               | Lumen   | Specifications          | Control gear       | Details |
|--------------|---------------------|---------|-------------------------|--------------------|---------|
| 4.1913.00.11 | 6000K cold white    | 9300 lm | LED 16 POW-LED          | 5.0630.20.16 max 1 | → 210   |
| 4.1913.00.12 | 3000K warm white    | 7520 lm | WATT total 62 W         |                    |         |
| 4.1913.00.13 | 4500K neutral white | 8040 lm | POWER CV 12 V-DC        |                    |         |
|              |                     |         | BEAM asymmetric Mixflux |                    |         |
|              |                     |         | CABLE UW, 5x1,5 qmm     |                    |         |

### Dynamic illumination

| #            | Color                      | Lumen                  | Specifications           | Control gear       | Details |
|--------------|----------------------------|------------------------|--------------------------|--------------------|---------|
| 4.1913.00.41 | RGB-CW cold white 6000K    | cold white: 2320 lm    | LED 16 Multichip POW-LED | 5.0670.39.52 max 1 | → 216   |
| 4.1913.00.42 | RGB-WW warm white 3000K    | warm white: 1880 lm    | WATT all on 76 W         |                    |         |
| 4.1913.00.43 | RGB-NW neutral white 4500K | neutral white: 2010 lm | POWER CC 12 V-DC         |                    |         |
|              |                            |                        | BEAM asymmetric Mixflux  |                    |         |
|              |                            |                        | CABLE UW, 25x0,5 qmm     |                    |         |