

Retrofit-Insert for 4.2000

4.2013

With the LED insert, existing competition and sports pool lighting systems (spotlight size 4.2000) with operation from the pool perimeter or the back of the pool can be transformed into innovative solutions in no time at all. In addition to high performance with simultaneous energy efficiency, it stands out due to minimised maintenance costs and above-average safety for swimmers. Compared to old 400-watt metal vapour lamps, the LED insert consumes only 125 watts, the frequent time-consuming replacement of lamps is no longer necessary and the water illuminated by light directed forwards without loss appears particularly clear.

1:1 SCALE



4.2013 | Retrofit-Insert for 4.2000

Up to 18600 lumen – Sustainable replacement for 400 Watt HIT

- Retrofit insertion for installation in existing spotlights 4.2000
- 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

Typical applications

This retrofit insert is intended for existing 4.2000 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.





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Photo: Samuel Trümpy



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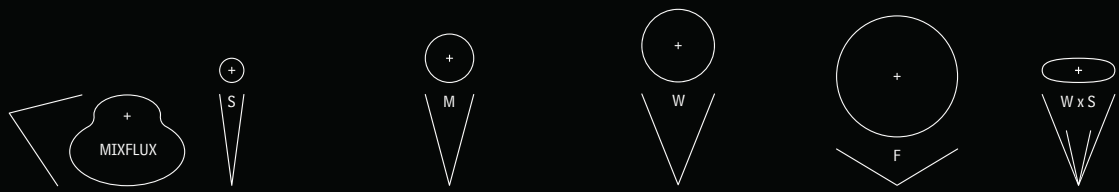
Colour temperatures



STANDARD

6000K cold white	4500K neutral white	3000K warm white	RGB-6000K + cold white	RGB-4500K + neutral white	RGB-3000K + warm white
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Beam angles



STANDARD

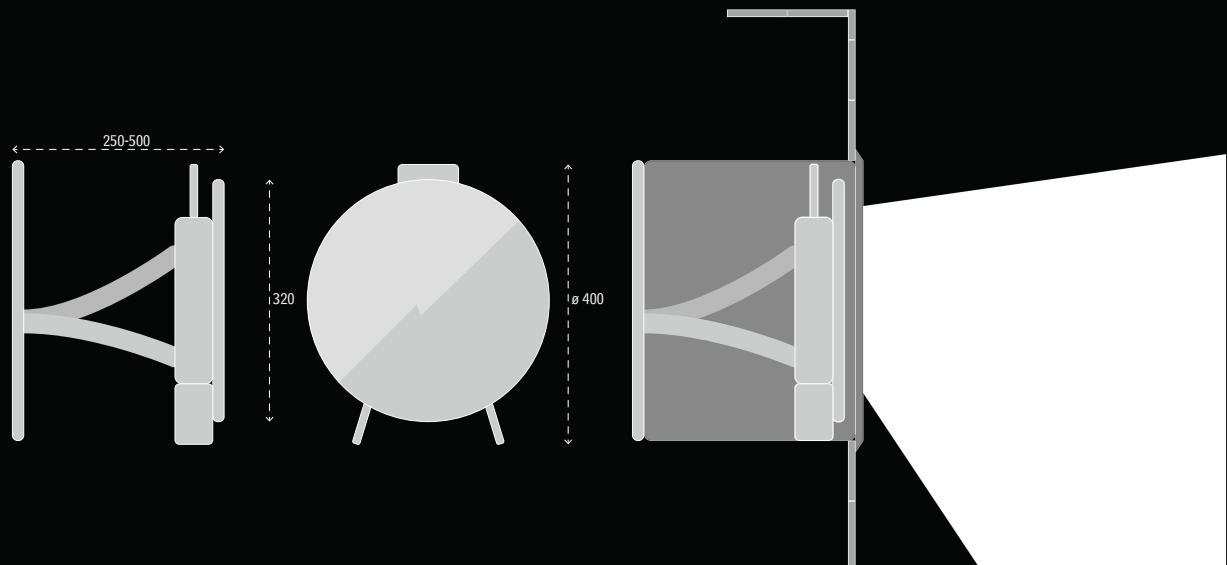
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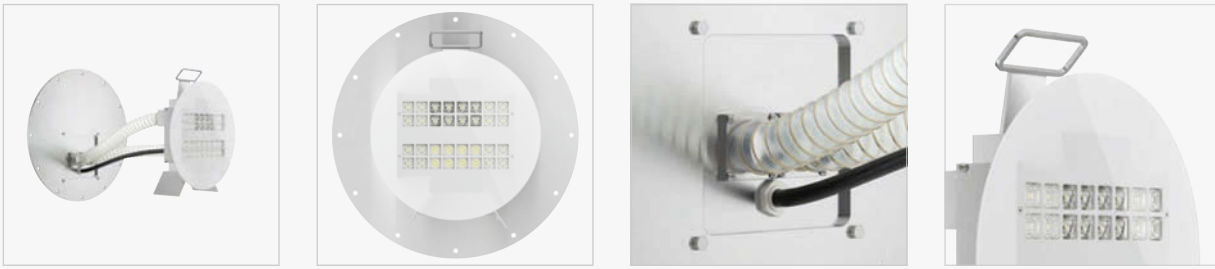
mixflux asymmetric	spot 10° symmetrical	medium 25° symmetrical	wide 50° symmetrical	flood ~120° symmetrical	wide x spot 50x15° elliptical
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Notes

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

Dimensions





ALU	POW-LED INCL.	3.000 K 4.500 K 6.000 K RGB-W	CONSTANT CURRENT CONSTANT VOLTAGE	CABLE INCL.	max 3m	←	CE	III							
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Underwater environments only

Monochrome illumination

#	Color	Lumen
4.2013.00.11	6000K cold white	18600 lm
4.2013.00.12	3000K warm white	15040 lm
4.2013.00.13	4500K neutral white	16080 lm

Specifications	
LED	32 POW-LED
WATT	total 124 W
POWER	CV 12 V-DC
BEAM	asymmetric Mixflux
CABLE	UW, 5x1,5 qmm

Control gear	Details
5.0630.20.32 max 1	→ 210

Dynamic illumination

#	Color	Lumen
4.2013.02.41	RGB-CW cold white 6000K	cold white: 4640 lm
4.2013.02.42	RGB-WW warm white 3000K	warm white: 4020 lm
4.2013.02.43	RGB-NW neutral white 4500K	neutral white: 4320 lm

Specifications	
LED	32 Multichip POW-LED
WATT	all on 152 W
POWER	CC max 24 V-DC
BEAM	asymmetric Mixflux
CABLE	UW, 10x0,5 qmm

Control gear	Details
5.0670.69.52 max 1	→ 216