

Retrofit Spotlight

4.0291

The retrofit spotlight makes every pool more attractive. Unlike halogen, it can conjure up magnificent colours on the surface of the water. Its economic efficiency is also advantageous. The luminous efficacy is many times higher than with halogen and result in electricity savings of more than 70 percent. The spotlight replaces all predecessor models and even third-party makes without difficulty.



1:1 SCALE



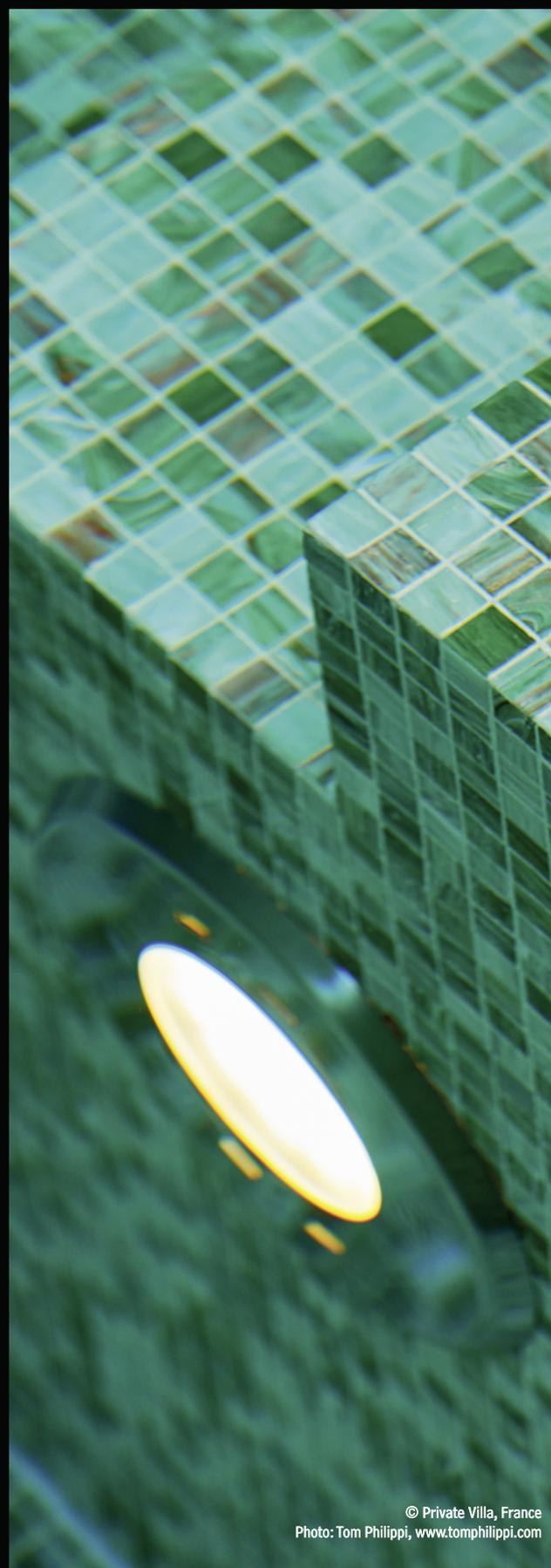
Only to use under water

WIBRE
Made in Germany

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Up to 6900 lumen – Sustainable replacement for halogen spotlights

- Protection class IP68 – up to 5m water depth
- Protection class IP69 - protection against high pressure and high jet water temperatures
- Entirely made of stainless steel 316Ti 1.4571, electropolished
- Round attachment cover, made of stainless steel 316Ti, height 13 mm
- ...
- POW-LED cold white, warm white, neutral white
- POW-LED royal blue
- Multichip POW-LED RGB-W
- Operating mode: constant current
- Temperature controlled (onboard)
- Surge protection
- Light distribution especially for swimming pool lighting „asymmetric Mixflux“
- ...
- Constant-current power source/RGB-W-controller ordered separately
- Supplied without cable



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Typical applications

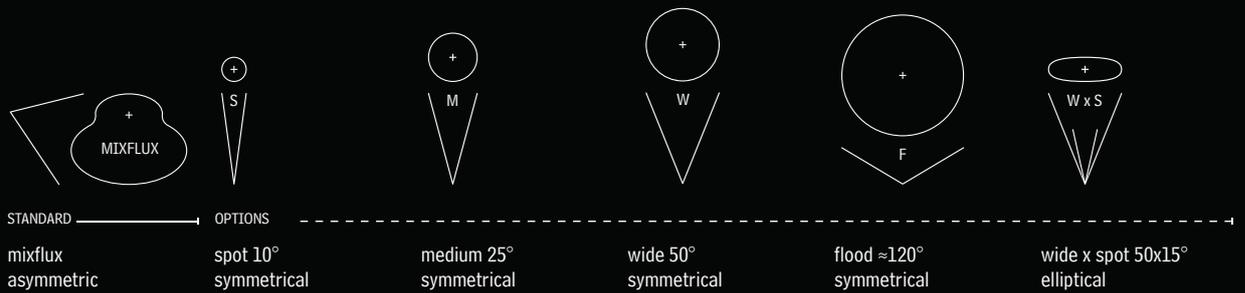
This retrofit spotlight is intended as a replacement for existing spotlights with halogen technology, primarily types 4.0267 and 4.0271 and various other makes. This spotlight has everything for a hassle-free change. Better lighting power, considerably less consumption, long service life and safety - operation in accordance with standards VDE0100-702 resp. IEC 60598-2-18 in water accessible to persons.

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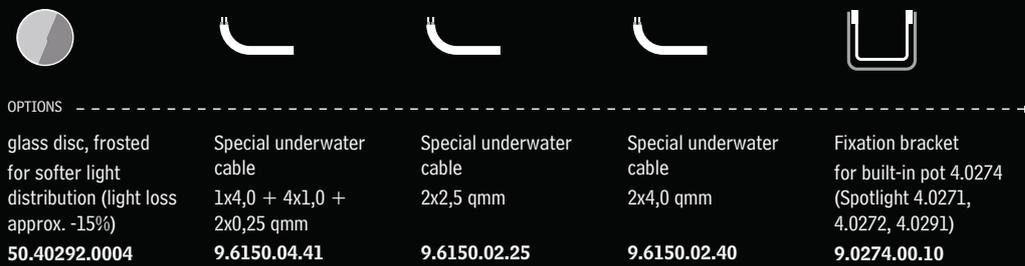
Colour temperatures



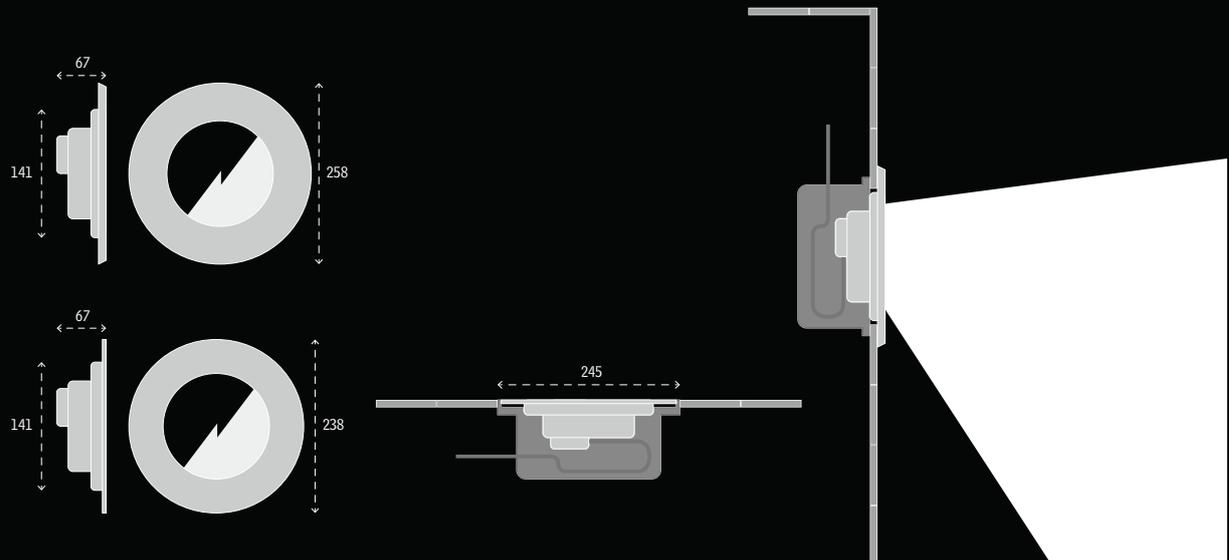
Beam angles



Additional parts



Dimensions





Underwater environments only

Monochrome illumination

Cover	#	Color	Lumen
Standard	4.0291.00.11	6000K cold white	6900 lm
	4.0291.00.12	3000K warm white	5640 lm
	4.0291.00.13	4500K neutral white	6036 lm
	4.0291.00.16	royal blue (450 nm)	500mW/LED
Flush Version	4.0291.75.11	6000K cold white	6900 lm
	4.0291.75.12	3000K warm white	5640 lm
	4.0291.75.13	4500K neutral white	6036 lm
	4.0291.75.16	royal blue (450 nm)	500mW/LED

Specifications	
LED	white: 12 POW-LED blue: 48 POW-LED
WATT	white: total 47 W blue: total 49,5 W
POWER	CC 3600mA @12 V-DC
BEAM	asymmetric Mixflux
CABLE	UW, 2x2,5 qmm

Control gear	Details
5.0630.01.12 max 1	→ 210
5.0630.10.12 max 1	
5.0630.11.12 max 1	
5.0630.03.12 max 3	

Dynamic illumination

Cover	#	Color	Lumen
Standard	4.0291.00.41	RGB-CW cold white 6000K	cold white: 2100 lm
	4.0291.00.42	RGB-WW warm white 3000K	warm white: 1800 lm
	4.0291.00.43	RGB-NW neutral white 4500K	neutral white: 1920 lm
Flush Version	4.0291.75.41	RGB-CW cold white 6000K	cold white: 2100 lm
	4.0291.75.42	RGB-WW warm white 3000K	warm white: 1800 lm
	4.0291.75.43	RGB-NW neutral white 4500K	neutral white: 1920 lm

Specifications	
LED	12 Multichip POW-LED
WATT	all on 75 W
POWER	CC 1400mA @12 V-DC
BEAM	asymmetric Mixflux
CABLE	UW, 1x4,0 + 4x1,0 + 2x0,25 qmm

Control gear	Details
5.0630.09.52 max 1	→ 216

Notes

- Individual configuration of the LED multichips possible
- Versions with plastic component for retrofit installations available. For wall installation or flexible use on the edge of the pool.
- Spotlights without connected cable for simple retrofitting of halogen to POW LED with use of the existing 2-pin cable (Only monochrome, cross section min. 2x2.5qmm). The cable can be connected to the connection box without opening the spotlight. Always observe the separate manual instructions.
- In case of retrofitting to RGB-W version, the cable must be replaced with special underwater cable (9.6150.04.41).
- Existing transformers must be replaced by appropriate power supply units and RGBW-controllers.
- Version for saline water see page 72