

01 Specs 01Title	ProfiRing LED L RGB Spot / DMX / 02	12.11.19 MH VS.01	Project No.
No / Art.	Description / Quantitiy / Unit	Unit price	Total price
01.1 Position	Description: Underwater spotlight for installation directly onto a fountain nozzle for water feature & pool illumination Suitable for dry and wet application. Environmental conditions for dry application: Temperature range for dry application: +4° - +35°C Environmental conditions for wet applications (water quality) Installation and operation in fresh-, pool- and seawater.* Technical data: Dimensions lamp housing (Ø x H): 125 x 30 [mm] Material: Stainless steel 1.4404 (AISI 316) / Glas lens Total weight: 1,1 kg Protection class: IP 68 / 4m max. Luminous flux total: 837 lm Luminous flux red: 240 lm Luminous flux green: 460 lm Luminous flux blue: 137 lm Beam angle: 16° Power consumption: 21 W Rated voltage: 24 V DC Rated current: 0,95 Energy efficiency category: A Weighted energy consumption: 24 kWh / 1000 h Thermal protection: Yes DMX-RDM-controllable**: Yes DMX configuration in built-in status possible**: Yes Able to perform strobe effects: Yes Stroboskop-Frequenzbereich: 0 - 25 Hz Mounting bracket: Material: Stainless steel 1.4404 (AISI 316L) Position lock: Yes Elongated hole for fixation: Yes Dimensions of the hole: 60 x 6,5 [mm] Cable and connection boxes All signals with galvanic separation in connection boxes Plug/Socket: Length hybrid cable (incl. plug): 1m Cable: 4 x 0,34mm² (screened) Patented, waterproof plug: Yes Integrated water barrier: Yes Pin allocation: Pin 1: GND Pin 2: Data In (UART) Pin 3: n.c. Pin 4: Data Out (UART) Pin 5: + 24 V		

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	* <table><tr><th colspan="4">water-quality-matrix</th></tr><tr><th></th><th>Freshwater</th><th>Poolwater</th><th>Seawater</th></tr><tr><td>PH.Value</td><td>7,2 -7,6</td><td>7,2 -7,6</td><td>8</td></tr><tr><td>Hardness</td><td>8 -15 ° DH; 142 -267 ppm CaCo3</td><td>8 -15 ° DH; 142 -267 ppm CaCo3</td><td>20 -30 ° DH; 356 - 534 ppm CaCo3</td></tr><tr><td>Free Chlorine</td><td>< 0,3 mg/l; < 0,036 moz/gal</td><td>0,3 -0,6 mg/l; 0,036 - 0,072 moz/gal</td><td>< 0,3 mg/l; < 0,036 moz/gal</td></tr><tr><td>Chlorine concentration</td><td>< 250 mg/l; < 30,28 moz/gal</td><td>< 200 mg/l; < 24,2 moz/gal</td><td><=22000 mg/l; <=2664 moz/gal</td></tr><tr><td>Salinity</td><td>n. d.</td><td>n. d.</td><td><= 4%; <= 40.000 ppm</td></tr><tr><td>Total Dry Residue</td><td>< 50 mg/l; < 6,06 moz/gal</td><td>< 50 mg/l; < 6,06 moz/gal</td><td>< 250mg/l; < 30,28 moz/gal</td></tr><tr><td>Temperature</td><td>4 -35° C;</td><td>4 -30° C;</td><td>4 - 20 ° C;</td></tr></table>				water-quality-matrix					Freshwater	Poolwater	Seawater	PH.Value	7,2 -7,6	7,2 -7,6	8	Hardness	8 -15 ° DH; 142 -267 ppm CaCo3	8 -15 ° DH; 142 -267 ppm CaCo3	20 -30 ° DH; 356 - 534 ppm CaCo3	Free Chlorine	< 0,3 mg/l; < 0,036 moz/gal	0,3 -0,6 mg/l; 0,036 - 0,072 moz/gal	< 0,3 mg/l; < 0,036 moz/gal	Chlorine concentration	< 250 mg/l; < 30,28 moz/gal	< 200 mg/l; < 24,2 moz/gal	<=22000 mg/l; <=2664 moz/gal	Salinity	n. d.	n. d.	<= 4%; <= 40.000 ppm	Total Dry Residue	< 50 mg/l; < 6,06 moz/gal	< 50 mg/l; < 6,06 moz/gal	< 250mg/l; < 30,28 moz/gal	Temperature	4 -35° C;	4 -30° C;	4 - 20 ° C;		
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	DMX RDM [Remote D evice M anagment] is a bidirectional bus for querying and programing of DMX-devices. A RDM control unit is capable of identifying connected devices and to -partial automatically- configure them. DMX RDM devices can be operated simultaneously with simple DMX devices at the same time.																																									
	Supply and delivery according to the manufacturers specifications.																																									
	Product / proof of delivery: ProfiRing LED L RGB Spot / DMX / 02 Art. 72708																																									
	OASE GmbH Tecklenburger Str. 161 48477 Hörstel / Germany Phone: +49 5454 800 (or equivalent) Entered by the bidder																																									