

01 Specs 01Title	ProfiPlane LED L RGB Spot / DMX / 02	12.11.19 MH VS.01	Project No.										
No / Art.	Description / Quantity / Unit	Unit price	Total price										
01.1 Position	<p><b>Description:</b>  <b>Underwater spotlight with special stainless steel cover ring for flush installation into pavements or similar surface materials or in stainless steel niches, directly onto a fountain nozzle with max. 22mm outer diameter. Suited for dry and wet installation</b></p> <p><b>Environmental conditions for dry application:</b></p> <p>Temperature range for dry application: +4° - +35°C</p> <p><b>Environmental conditions for wet applications (water quality)</b>  Installation and operation in fresh-, pool- and seawater.*</p> <p><b>Technical data:</b></p> <p>Dimensions lamp housing (∅ x H): 180 x 30 [mm]  Material: Stainless steel 1.4404 (AISI 316) / Glas lens  Total weight: 1,6 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 A  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</p> <p><b>Mounting bracket:</b></p> <p>Material: Stainless steel 1.4404 (AISI 316L)  Position lock: Yes  Elongated hole for fixation: Yes  Dimensions of the hole: 60 x 6,5 [mm]</p> <p><b>Cable and connection boxes</b>  All signals with galvanic separation in connection boxes</p> <p><b>Plug/Socket:</b></p> <p>Length hybrid cable (incl. plug): 1m  Cable: 4 x 0,34mm<sup>2</sup> (screened)  Patented, waterproof plug: Yes  Integrated water barrier: Yes</p> <p>Pin allocation:</p> <table data-bbox="735 1798 1155 1951"> <tr><td>Pin 1:</td><td>GND</td></tr> <tr><td>Pin 2:</td><td>Data In (UART)</td></tr> <tr><td>Pin 3:</td><td>n.c.</td></tr> <tr><td>Pin 4:</td><td>Data Out (UART)</td></tr> <tr><td>Pin 5:</td><td>+ 24 V</td></tr> </table>	Pin 1:	GND	Pin 2:	Data In (UART)	Pin 3:	n.c.	Pin 4:	Data Out (UART)	Pin 5:	+ 24 V		
Pin 1:	GND												
Pin 2:	Data In (UART)												
Pin 3:	n.c.												
Pin 4:	Data Out (UART)												
Pin 5:	+ 24 V												

01 Specs 01Title	ProfiPlane LED L RGB Spot / DMX / 02			12.11.19 MH VS.01	Project No.
No / Art.	Description / Quantity / Unit			Unit price	Total price
* 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;		
<p>** only in conjunction with the Underwater LED driver</p> <p>DMX RDM [Remote Device Managment] 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.</p>					
Supply and delivery according to the manufacturers specifications.					
<p>Product / proof of delivery:  <b>ProfiPlane LED L RGB Spot / DMX / 02</b>  <b>Art. 72707</b></p>					
<p>OASE GmbH  Tecklenburger Str. 161  48477 Hörstel / Germany  Phone: +49 5454 800  (or equivalent )  .....  Entered by the bidder</p>					