	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/ RDM	Plug and Spray
ProfiRing LED 320	●	●	●	○	○	○	○	○	○	●	●	●	●

ProfiRing LED 320/DMX/02

The ProfiRing is developed specifically to illuminate fountains. Nozzles can be integrated in the middle of the LED light. Thus attractive symmetric illumination with continuously changing colour nuances is produced.

The ProfiRing LED is mainly used in the pool directly under the water surface. These LED-lights have temperature regulation and overheating protection so that dry installation is also possible. However these vibrant colour wonders show their full potential when combined with the Varionaut-pumps or the Vario-Switch system. In combination they pave the way for a completely new composition of open space and fountain installation. The new generation of LED-RGB light comes with highquality stainless steel housing for fresh-, pool- and saltwater (definition see on page 246). They have a lifetime up to 100,000 h.* The basic colours of the LED-RGB-lights are each measured for their brightness. Our OASE LED-Driver (see page 166) ensures equal brightness for all lights in the system, thereby creating a homogeneous colour combination.
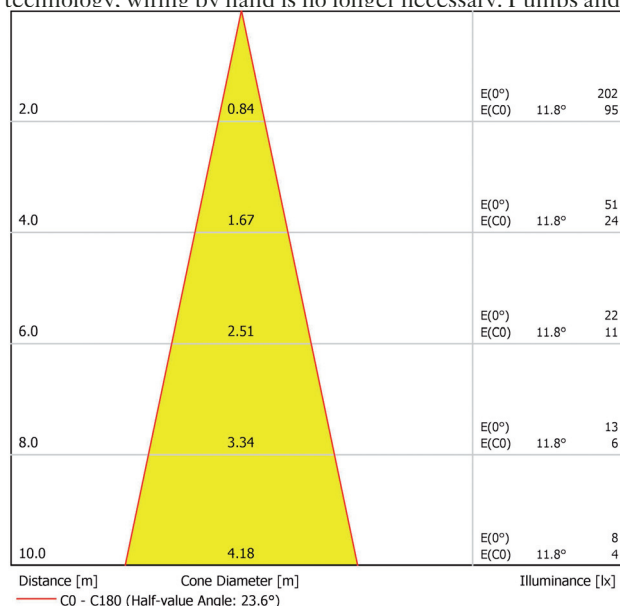
Product characteristics at a glance
- Energy efficient LED-RGB-light with a center hole D = 22 mm
- Nozzle lamp locking
- 573 Lumen with a narrow beam angle of 16°, max. 16 Watt
- Temperature controlled high quality LED for an extra-long life of up to 100,000 h.*
- Wet and dry installation – water proof in accordance with IP68
- For fresh water, pool water and sea water
- External electronic in a separate control box / junction box – waterproof connector, easy to connect.
- DMX/RDM-capable in combination with the Underwater LED Driver/DMX/02 (50720)
- Individual measurement of the basic colours of the LED-RGB lights and the use of the Underwater LED Driver/DMX/02 (50720) guarantees equal brightness of all lights in the system and a homogeneous colour combination.
- Galvanic isolation between the DMX and 24V DC power

ProfiRing LED 320/DMX/02

*In case of underwater application, an intelligent heat management and quality LED enables a lifetime of up to 100.000 hrs. This claim does not entitle to a guarantee.
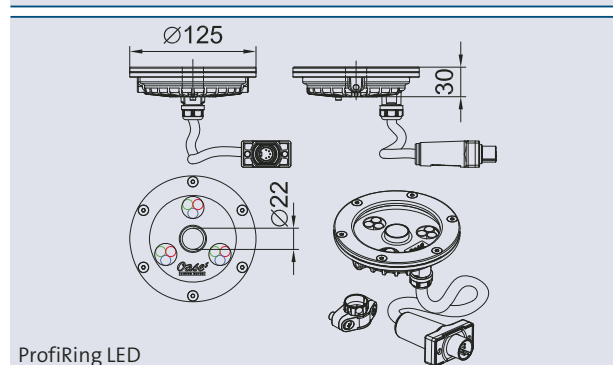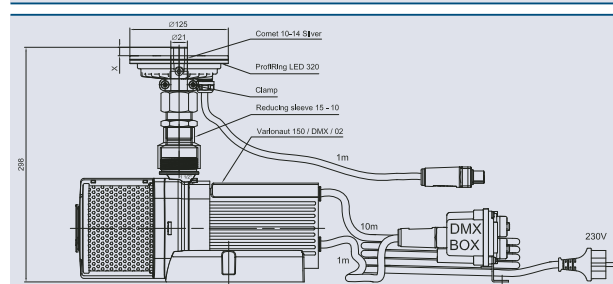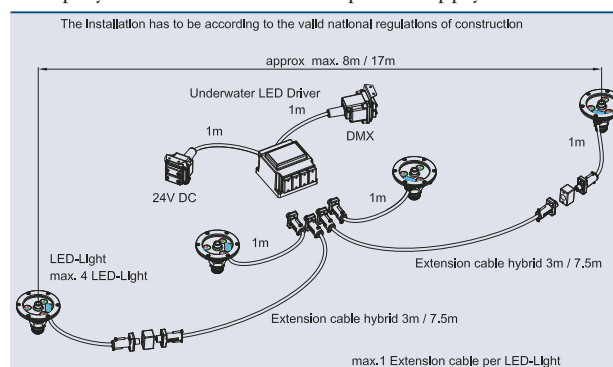
The Underwater LED Driver (see on page 166) is required for the DMX/RDM capable use of the ProfiRing LED. Also a RDM-capable controller like the WECS II (WECS II 512, WECS II 1024 and WECS II 2048, see on page 174-182) is necessary. Due to this fact they send information back to the control panel. The ProfiRing LED has one plug with one meter cable to connect with the Underwater LED-Driver. For larger distances is designed the Extension cable hybrid 3.0 m or 7.5 m is used (see on page 164). The Underwater LED Driver contains two connection boxes for the 24 Volt power supply and DMX/RDM data source. Through this special connection technology, wiring by hand is no longer necessary. Pumps and

other consumer loads (e.g. Varionaut) can be connected easily to DMX/RDM of the light. The pluggable Underwater power supply 250 24 V /01 (see on page 170) is required for the plug and spray function on the 24 Volt power supply.

The Installation has to be according to the valid national regulations of construction

approx max. 8m / 17m
Underwater LED Driver
1m
1m DMX
24V DC 1m
LED-Light max. 4 LED-Light
1m
Extension cable hybrid 3m / 7.5m
Extension cable hybrid 3m / 7.5m
max. 1 Extension cable per LED-Light

Ø125
Ø21
Comet 10-14 Silver
ProfiRing LED 320
Clamp
Reducing sleeve 15 - 10
Varionaut 150 / DMX / 02
1m
10m
DMX BOX
1m
230V
288

Ø125
30
Ø22

ProfiRing LED

Accessories (must be ordered separately)

Recommended Nozzles	Order no.
Comet 10-14 silver (see page 42)	**50723**
Comet 10-12 T (see page 44)	**50968**
Comet 10-14 T (see page 44)	**50969**
Extension cable hybrid / 3.0 m (see page 164)	**50728**
Extension cable hybrid / 7.5 m (see page 164)	**56403**
Underwater LED Driver (see page 166)	**50720**
Connecting cable DMX/01 (see page 162)	**Order no.**
Connecting cable DMX/1.0 m/01	**12368**
Connecting cable DMX/3.0 m/01	**12369**
Connecting cable DMX/5.0 m/01	**12371**
Connecting cable DMX/10.0 m/01	**12372**
Connecting cable DMX/20.0 m/01	**12373**
End Resistant for Bus-System DMX/01	**12007**
Connecting cable 24V DC/01 (see page 160)	**Order no.**
Connecting cable 24V DC /1.0 m/01	**12762**
Connecting cable 24V DC /3.0 m/01	**12552**
Connecting cable 24V DC /7.5 m/01	**12553**
Connecting cable 24V DC /15.0 m/01	**11720**
PowerBox 24 V DC / 01 (see page 160)	**50493**
Underwater power supply 250 / 24 V / 01 (see page 170)	**50733**
WECS II 512 / DMX/02 (see page 174)	**56491**
WECS II 1024 / DMX/02 (see page 174)	**56492**
WECS II 2048 / DMX/02 (see page 180)	**56507**

DMX-Channel	Function
Channel 1	red
Channel 2	green
Channel 3	blue

ProfiRing LED 320/DMX/02		
Luminous flux all on	[lm]	573
Luminous flux red	[lm]	172
Luminous flux green	[lm]	307
Luminous flux blue	[lm]	94
Beam angle	[°]	16 (± 2)
Energy efficiency category		A
Weighted energy consumption	[kWh/1000h]	17.6
Rated voltage	[V/DC]	24
Power consumption	[W]	16
Rated current	[A]	0.7
Dim frequency	[Hz]	500
Power connection type		Hybrid plug
Cable length	[m]	1
Protection class		IP 68
Dimensions (Ø x h)	[mm]	125 x 30
Material		Stainless steel 1.4404 (AISI 316L)
Weight	[kg]	1.00
Order no.		**50718**

2.0	0.84	E(0°)		202
		E(C0)	11.8°	95
4.0	1.67	E(0°)		51
		E(C0)	11.8°	24
6.0	2.51	E(0°)		22
		E(C0)	11.8°	11
8.0	3.34	E(0°)		13
		E(C0)	11.8°	6
10.0	4.18	E(0°)		8
		E(C0)	11.8°	4

Distance [m] Cone Diameter [m] Illuminance [lx]
— C0 - C180 (Half-value Angle: 23.6°)