



HELIOS BRONZE 12 FC

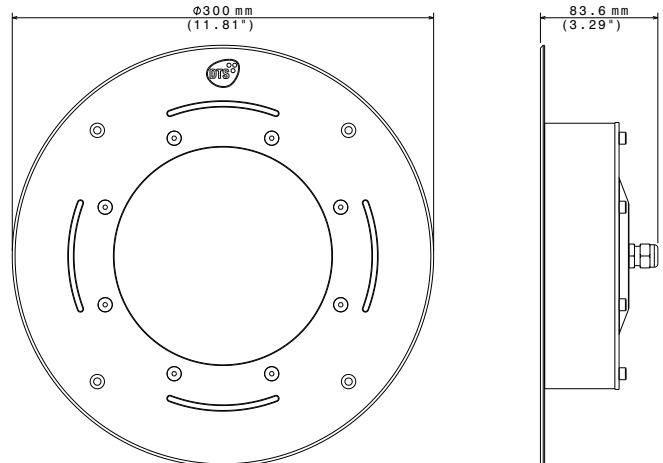
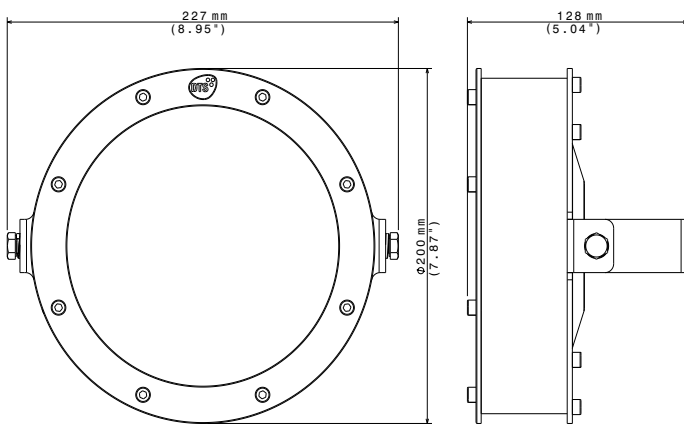
THE BRIGHTEST IP68 UNDERWATER
LED PROJECTOR IN ITS RANGE

HELIOS BRONZE 12 FC is an **IP68 underwater projector** with Full Color LEDs. The unit is fitted with an **adjustable bracket or a round flange for recessed installation** (R version). The unit features a **reinforced structure** that makes this product reliable for **long-term use**. HELIOS BRONZE 12 FC is the brightest projector in its range, and it is **suitable for fountains and other water features**. Furthermore the unit is available with **different optics**. The unit is **powered by a DRIVENET series external PSU**. Refer to local norms in case of installation near water.

HELIOS BRONZE 12 FC



HELIOS BRONZE 12 R FC



UN LENS 8°
Bracket 03.LIB006E99FC08
Recessed 03.LIS006E99FC08

SP LENS 12°
Bracket 03.LIB006E99FC10
Recessed 03.LIS006E99FC10

MF LENS 27°
Bracket 03.LIB006E99FC25
Recessed 03.LIS006E99FC25

WF LENS 37°
Bracket 03.LIB006E99FC40
Recessed 03.LIS006E99FC40

OUTPUT

- 12 Full Color (RGBW) LEDs
- Lumens: 4,800 @ 700mA
- LED lifespan: 50,000 hours (70% lumen output)

OPTICAL GROUP

4 lenses sets available: 8° / 12° / 27° / 37°

COLOR GENERATION

- 16 million colors
- Wide palette of pure uniform whites with variable linear color temperature (2700K - 8000K)

POWER SUPPLY

- External PSU:
 - DRIVENET 28C DIN @48Vdc
 - DRIVENET 28 EZ / 416 / 832 PSU (Full range 100-240Vac 50-60 Hz)
 - DRIVENET 1664 (Range 180-240Vac 50-60 Hz)
- Power consumption: 120 W max

CONNECTIONS

End-stripped 8-pole cable (90 cm)

OPERATING TEMPERATURE

-20° / 40° C

PHYSICAL

- IP68 (max immersion depth: 2 m)
- IK protection degree: IK09 (only R version)
- Housing: Bronze / 316 Stainless steel
- Weight:
 - HELIOS BRONZE 12: 5.5 Kg (12.1 lbs)
 - HELIOS BRONZE 12 R: 6.4 Kg (14.1 lbs)

SHIPPING

- Packaging: Carton box
- Box size (LxHxD): 360 x 190 x 340 mm (14.2" x 7.5" x 13.4")
- Weight:
 - HELIOS BRONZE 12: 6.2 Kg (13.7 lbs)
 - HELIOS BRONZE 12 R: 7 Kg (15.4 lbs)

CONNECTIONS CHART

DRIVENET 28C DIN @48Vdc	DRIVENET 28 EZ	DRIVENET 416	DRIVENET 832	DRIVENET 1664
Max 2 (1 item per output)	Max 2 (1 item per output)	Max 4 (1 item per output)	Max 8 (1 item per output)	Max 16 (1 item per output)

ACCESSORIES ON REQUEST

- 8-pole underwater cable (code 0509C159)

ONLY FOR HELIOS BRONZE R FC

- OUTERCASE Stay-in-place casting form (code 03.LA.059)

PHOTOMETRIC DATA

LEDs current 700mA

BEAM ANGLE 8°		mt 5 ft 16.40	mt 10 ft 32.81	mt 15 ft 49.21	mt 20 ft 65.62	mt 25 ft 82.02
	lux center (lx)	5750	1438	639	359	230
	foot candles (fc)	534	134	59	33	21
	diameter (cm)	70	140	210	280	350
	diameter (ft)	2.29	4.59	6.88	9.18	11.47
BEAM ANGLE 12°	lux center (lx)	2168	542	241	136	87
	foot candles (fc)	201	50	22	13	8
	diameter (cm)	105	210	315	420	526
	diameter (ft)	3.45	6.90	10.34	13.79	17.24

BEAM ANGLE 27°		mt 5 ft 16.40	mt 10 ft 32.81	mt 15 ft 49.21	mt 20 ft 65.62	mt 25 ft 82.02
	lux center (lx)	582	146	65	36	23
	foot candles (fc)	54	14	6	3	2
	diameter (cm)	240	480	720	960	1200
BEAM ANGLE 37°	diameter (ft)	7.88	15.75	23.63	31.51	39.38
	lux center (lx)	410	103	46	26	16
	foot candles (fc)	38	10	4	2	2
	diameter (cm)	335	669	1004	1338	1673
	diameter (ft)	10.98	21.95	32.93	43.91	54.89