

BRIGHT 316L

UNDERWATER RECESSED
LIGHTING FOR POOLS AND FOUNTAINS



BLUE / WHITE LIGHT
CONSTANT CURRENT

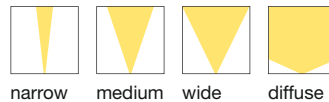


BLUE / WHITE LIGHT
CONSTANT VOLTAGE

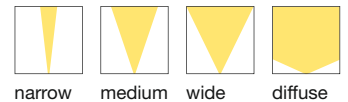
Ø1.38"



BRIGHT 1.0 316L
2W 500mA



BRIGHT 1.6 316L
2W 24VDC

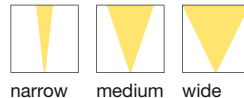


Ø3.15"

Ø5.24"



BRIGHT 2.0 316L
6W 500mA



BRIGHT 2.6 316L
6W 24VDC



Ø7.91"

✓
BRIGHT 3.0 316L
3000K, 9W, 45°



designplanTM 

79 Trenton Avenue
Frenchtown, NJ 08825

www.designplan.com

Tel: (908) 996-7710
Fax: (908) 996-7042

BRIGHT 316L

UNDERWATER RECESSED
LIGHTING FOR POOLS AND FOUNTAINS



RGB LIGHT
CONSTANT VOLTAGE



WHITE LIGHT - CONSTANT VOLTAGE
RGB LIGHT - CONSTANT CURRENT



BLUE/WHITE LIGHT - CONSTANT VOLTAGE
RGB LIGHT - CONSTANT CURRENT



BRIGHT 1.8 316L
1.2W 12VDC



diffuse
sandblasted



diffuse
transparent



BRIGHT 3.0 316L
7W / 9W 24VDC
RGB: 5W 500mA



narrow



medium



wide



ultra-
wide



elliptical



BRIGHT 5.0 316L
12W / 18W 24VDC
RGB: 18W 500mA



narrow



medium



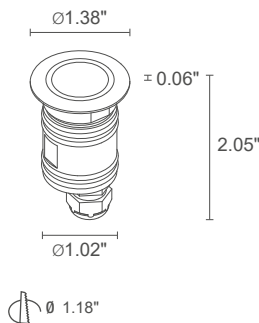
wide



BRIGHT 1 316L



BRIGHT 1.0 316L

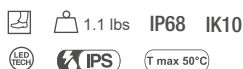
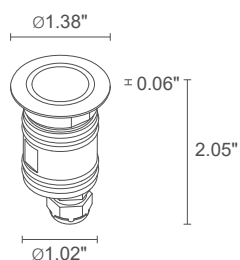


IPS T max 50°C LED TECH 1.1 lbs IP68 IK10

POWER / POWER SUPPLY MODEL NO.	2W 500mA CW1012 A I -
LED COLOR	F - 2700K 5 - 3000K 9 - 4000K 1 - blue
OPTICS	S - 10° M - 21° L - 43° D - diffuse
POWER CABLES	includes 16.40' neoprene cable H05RN-F 0.08"x0.01"/0.03" Ø0.25" 2 - 32.81' 3 - 49.21' 4 - 65.62'
LUMEN OUTPUT AT SOURCE	195 lm (3000K, 21°)
DELIVERED LUMEN OUTPUT	127 lm (3000K, 21°)
NO. AND TYPE OF LED	1 power LED 2-Step MacAdam (white LED color) 60,000h L90 B10 (Ta 25°C)
MATERIAL	body and trim in AISI 316L stainless steel lens in tempered, transparent extra-clear glass (optics version) lens in acid-etched, tempered extra-clear glass (diffuse version)
POWER SUPPLY UNIT	remote power supply required, not included
WIRING	series
MOUNTING	recessed (wall, ground) max depth 32.81'
ACCESSORIES	see accessories page
NOTES	suitable for use out of water version with elliptical optics available on request

BRIGHT 1.6 316L
2700K, 2W, 40°
BRIGHT 2.6 316L
2700K, 6W, 38°
BRIGHT 1.6
2700K, 2W, 10°
Private residence
Côte d'Azur, France

BRIGHT 1.6 316L



2W 24VDC

CW1600 ■ ■ ■ ■ ■

■ F - 2700K
■ 5 - 3000K
■ 9 - 4000K
■ 1 - blue

■ S - 10°
■ M - 21°
■ L - 43°
■ D - diffuse

■ includes 16.40' neoprene cable
H05RN-F 0.08"x0.01"/0.03" Ø0.25"
2 - 32.81'
3 - 49.21'
4 - 65.62'

195 lm (3000K, 21°)

127 lm (3000K, 21°)

1 power LED
2-Step MacAdam (white LED color)
60,000h L90 B10 (Ta 25°C)

body and trim in AISI 316L stainless steel
lens in tempered, transparent extra-clear glass (optics version)
lens in acid-etched, tempered extra-clear glass (diffuse version)

remote power supply required, not included

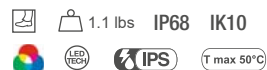
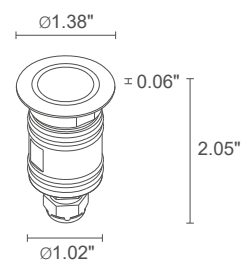
parallel

recessed (wall, ground)
max depth 32.81'

see accessories page

suitable for use out of water
version with elliptical optics available on request

BRIGHT 1.8 316L



1.2W 12VDC

CW1800 6 ■ ■ ■ ■ ■

RGB

■ DT - diffuse transparent
■ DS - diffuse sandblasted

■ includes 16.40' neoprene cable
05RN-F 0.16"x0.02"/0.02" Ø0.25"
2 - 32.81'
3 - 49.21'
4 - 65.62'

15 lm, R: 4 lm G: 8 lm B: 3 lm

11 lm, R: 3 lm G: 6 lm B: 2 lm
(diffuse transparent optics)

1 mid-power, full-color LED
50,000h L90 B10 (Ta 25°C)

body and trim in AISI 316L stainless steel
lens in tempered, transparent extra-clear glass (diffuse transparent optics version)
lens in acid-etched, tempered extra-clear glass (diffuse sandblasted optics version)

remote power supply required, not included

parallel

recessed (wall, ground)
max depth 32.81'

see accessories page

suitable for use out of water



BRIGHT 2 316L

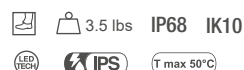
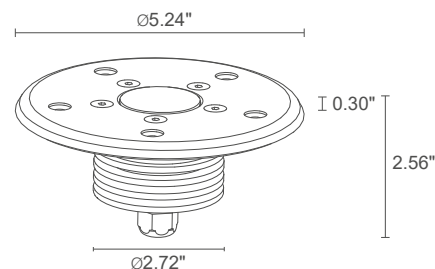
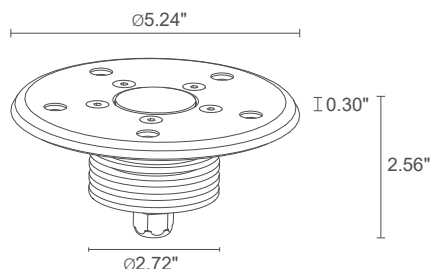


BRIGHT 2.0 316L

BRIGHT 2.6 316L



Installation with accessory
for PVC liner



POWER / POWER SUPPLY	6W 500mA
MODEL NO.	CW2032 ■ ■ A I
LED COLOR	F - 2700K 5 - 3000K 9 - 4000K 0 - 5000K 1 - blue 6 - RGB
OPTICS	S - 10° M - 24° L - 38°
LUMEN OUTPUT AT SOURCE	436 lm (3000K, 500mA) RGB: 277 lm, R: 102 lm G: 132 lm B: 43 lm (500mA)
DELIVERED LUMEN OUTPUT	314 lm (3000K, 500mA, 24°) RGB: 198 lm, R: 73 lm G: 94 lm B: 31 lm (500mA, 24°)
NO. AND TYPE OF LED	3 power LEDs 1/4 ANSI BIN (white LED color) 50000h L90 B10 (Ta 25°C)
MATERIAL	body and trim in AISI 316L stainless steel lens in tempered, transparent extra-clear glass
POWER SUPPLY UNIT	remote power supply required, not included
POWER CABLES	includes 16.40' neoprene cable H05RN-F 0.08"x0.03"/0.03" Ø0.25" RGB: includes 16.40' FEP+RUB cable (equivalent to H05RN-F) 0.24"x0.02"/0.02" Ø0.25"
WIRING	series
MOUNTING	recessed (wall, ground) max depth 32.81'
ACCESSORIES	see accessories page
NOTES	suitable for use out of water version with elliptical optics available on request

POWER / POWER SUPPLY	6W 24VDC
MODEL NO.	CW2600 ■ ■ I
LED COLOR	F - 2700K 5 - 3000K 9 - 4000K 0 - 5000K 1 - blue
OPTICS	S - 10° M - 24° L - 38°
LUMEN OUTPUT AT SOURCE	436 lm (3000K)
DELIVERED LUMEN OUTPUT	314 lm (3000K, 24°)
NO. AND TYPE OF LED	3 power LEDs 1/4 ANSI BIN (white LED color) 50000h L90 B10 (Ta 25°C)
MATERIAL	body and trim in AISI 316L stainless steel lens in tempered, transparent extra-clear glass
POWER SUPPLY UNIT	remote power supply required, not included
POWER CABLES	includes 16.40' neoprene cable H05RN-F 0.08"x0.03"/0.03" Ø0.25"
WIRING	parallel
MOUNTING	recessed (wall, ground) max depth 32.81'
ACCESSORIES	see accessories page
NOTES	suitable for use out of water version with elliptical optics available on request

BRIGHT 5.0 316L
3000K, 12W, 40°

Project by / arch. Francesco Mancini
Corte Martinelli, Andria, Italy

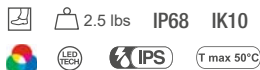
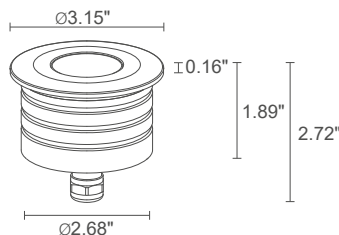




BRIGHT 3 316L



BRIGHT 3.0 316L



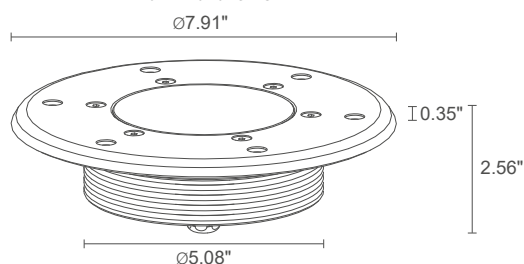
POWER / POWER SUPPLY MODEL NO.	7W 24VDC white light CW30000 ■ ■ I	
	9W 24VDC white light CW30010 ■ ■ I	
	5W 500mA RGB light CW3032 6 ■ ■ I	
■ LED COLOR	F - 2700K 5 - 3000K 9 - 4000K	
■ OPTICS	S - 11° M - 34° L - 45° K - 68° W - 13°x52°	RGB: S - 20° M - 34° L - 45° W - 21°x42°
LUMEN OUTPUT AT SOURCE	683 lm (3000K, 7W) 845 lm (3000K, 9W) RGB: 253 lm, R: 82 lm G: 114 lm B: 57 lm (500mA)	
DELIVERED LUMEN OUTPUT	463 lm (3000K, 34°, 7W) 602 lm (3000K, 34°, 9W) RGB: 191 lm, R: 70 lm G: 90 lm B: 31 lm (500mA, 34°)	
NO. AND TYPE OF LED	1 high intensity power LED, 3-step MacAdam RGB: 3 power LEDs 50000h L90 B10 (Ta 25°C)	
MATERIAL	body and trim in AISI 316L stainless steel lens in tempered, transparent extra-clear glass	
POWER SUPPLY UNIT	remote power supply required, not included	
POWER CABLES	includes 16.40' neoprene cable H05RN-F 0.08"x0.04"/0.04" Ø0.28" RGB: includes 16.40' FEP+RUB cable (equivalent to H05RN-F) 0.24"x0.02"/0.02" Ø0.25"	
WIRING	parallel RGB: series	
MOUNTING	recessed (wall, ground) max depth 32.81'	
ACCESSORIES	see accessories page	
NOTES	suitable for use in sea water the 7W version and the RGB version can also be used out of the water	



BRIGHT 5 316L



BRIGHT 5.0 316L



Installation with accessory
for PVC liner



POWER / POWER SUPPLY MODEL NO.	12W 24VDC blue/white light CW5062 ■ ■ A I
	18W 24VDC blue/white light CW5092 ■ ■ A I
	18W 500mA RGB light CW5092 6 ■ ■ A I
LED COLOR	F - 2700K 5 - 3000K 9 - 4000K 0 - 5000K 1 - blue
OPTICS	S - 10° M - 20° L - 40°
LUMEN OUTPUT AT SOURCE	872 lm (3000K, 12W) 1308 lm (3000K, 18W) RGB: 785 lm, R: 288 lm G: 373 lm B: 124 lm (500mA)
DELIVERED LUMEN OUTPUT	590 lm (3000K, 20°, 12W) 885 lm (3000K, 20°, 18W) RGB: 561 lm, R: 206 lm G: 266 lm B: 89 lm (500mA, 20°)
NO. AND TYPE OF LED	6, 9 power LEDs, 1/4 ANSI BIN (white LED color) RGB: 9 power LEDs 50000h L90 B10 (Ta 25°C)
MATERIAL	body and trim in AISI 316L stainless steel lens in tempered, transparent extra-clear glass
POWER SUPPLY UNIT	remote power supply required, not included
POWER CABLES	includes 16.40' neoprene cable H05RN-F 0.08"x0.03"/0.03" Ø0.25" RGB: includes 16.40' FEP+RUB cable (equivalent to H05RN-F) 0.24"x0.02"/0.02" Ø0.25"
WIRING	parallel RGB: series
MOUNTING	recessed (wall, ground) max depth 32.81'
ACCESSORIES	see accessories page
NOTES	suitable for use out of water version with elliptical optics available on request

BRIGHT 316L

ACCESSORIES

	BRIGHT 1.0 316L	BRIGHT 1.6 316L	BRIGHT 1.8 316L	BRIGHT 2.0 316L	BRIGHT 2.6 316L	BRIGHT 3.0 316L	BRIGHT 5.0 316L
ANTI-GLARE ACCESSORIES  Honeycomb louvre built into the lighting fixture order together with the lighting fixture						WH0201	
ACCESSORIES FOR INSTALLATION  Outer casing  Outer casing  Outer casing  Outer casing  Outer casing  Accessory for PVC liner	WC5003	WC5003	WC5003	WC5002	WC5002	WC5004 WC5006	WC5005 WC5105



POWER CABLES

to order the power cable, add the suffix -2, -3 or -4
to the code for the lighting fixture

-2 length 32.81'
-3 length 49.21'
-4 length 65.62'

-4 length 65.62'

white LED color
Neoprene cables
H05RN-F 0.08"x0.03"/0.03" Ø0.25" IPS
(Bright 2.0 316L / 2.6 316L / 5.0 316L)

white LED color
Neoprene cables
H05RN-F 0.08"x0.04"/0.04" Ø0.28" IPS
(Bright 3.0 316L)

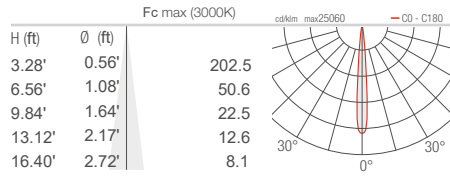
RGB
Cables in FEP+RUB (equivalent to H05RN-F)
0.24"x0.02"/0.02" Ø0.25" IPS
(Bright 2.0 316L / 3.0 316L / 5.0 316L)

BRIGHT 316L

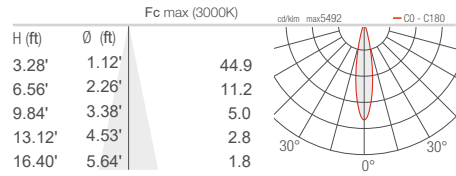
UNDERWATER RECESSED

BRIGHT 1.0 316L 1.6 316L

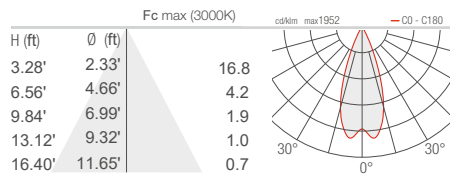
S - 10°



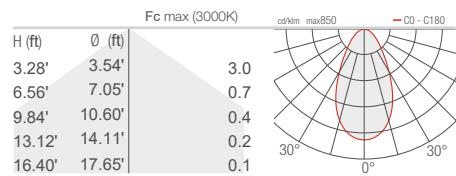
M - 20°



L - 40°

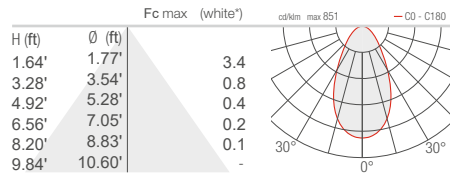


D - Diffuse

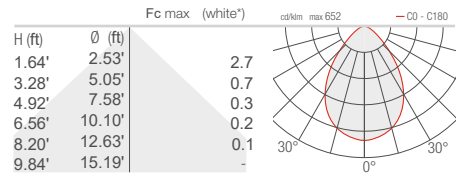


BRIGHT 1.8 316L

DT - Diffuse transparent



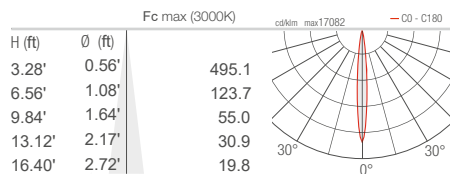
DS - Diffuse sandblasted



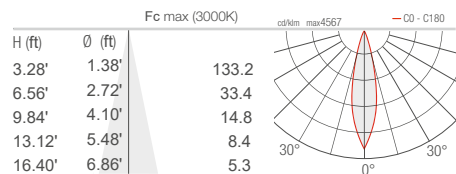
* White created by mixing the colours

BRIGHT 2.0 316L 2.6 316L

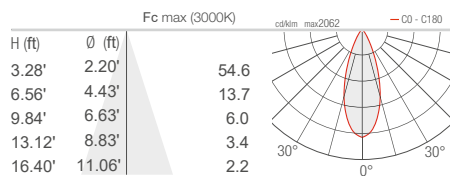
S - 10°



M - 24°

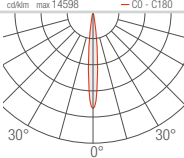


L - 38°

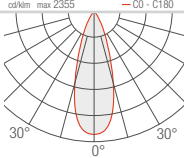


**BRIGHT 3.0 316L S - 11°**

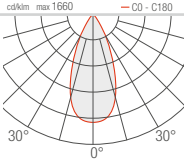
		Fc max (3000K)		cd/klm max 14598	— C0 - C180
H (m)	Ø (ft)	7W	9W		
3.28'	0.62'	600.7	820.1		
6.56'	1.25'	150.2	205.0		
9.84'	1.87'	66.7	91.1		
13.12'	2.49'	37.5	51.4		
16.40'	3.12'	24.1	32.8		


M - 34°

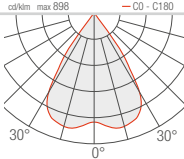
		Fc max (3000K)		cd/klm max 2355	— C0 - C180
H (m)	Ø (ft)	7W	9W		
3.28'	2.00'	88.4	120.9		
6.56'	4.04'	22.1	30.3		
9.84'	6.04'	9.8	13.4		
13.12'	8.04'	5.5	7.5		
16.40'	10.04'	3.5	4.8		


L - 45°

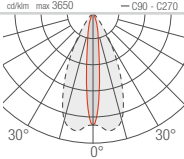
		Fc max (3000K)		cd/klm max 1660	— C0 - C180
H (m)	Ø (ft)	7W	9W		
3.28'	2.69'	57.5	78.4		
6.56'	5.35'	14.4	19.6		
9.84'	8.10'	6.4	8.7		
13.12'	10.73'	3.6	4.8		
16.40'	13.39'	2.3	4.2		


K - 68°

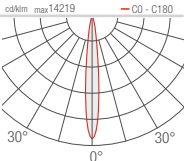
		Fc max (3000K)		cd/klm max 898	— C0 - C180
H (m)	Ø (ft)	7W	9W		
3.28'	4.43'	25.1	34.1		
6.56'	8.86'	6.3	8.5		
9.84'	13.29'	2.8	3.8		
13.12'	17.72'	1.6	2.1		
16.40'	22.15'	1.0	1.3		


W - 13°x52°

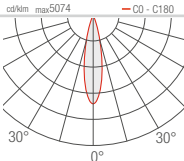
		Fc max (3000K)		cd/klm max 3650	— C0 - C180 — C90 - C270
H (m)	Ø (ft)	Ø (ft)	7W	9W	
3.28'	0.75'	3.22'	137.3	187.8	
6.56'	1.41'	6.43'	34.4	47.0	
9.84'	2.30'	9.61'	15.2	20.9	
13.12'	3.05'	12.83'	8.5	11.7	
16.40'	3.84'	16.04'	5.5	7.5	


BRIGHT 5.0 316L S - 10°

		Lux max (3000K)		cd/klm max 14219	— C0 - C180
H (m)	Ø (m)	12W	18W		
3.28'	0,21	8318	12456		
6.56'	0,42	2080	3114		
9.84'	0,63	924	1384		
13.12'	0,84	520	779		
5,00	1,06	333	498		


M - 20°

		Lux max (3000K)		cd/klm max 5074	— C0 - C180
H (m)	Ø (m)	12W	18W		
3.28'	0,40	2994	4491		
6.56'	0,80	748	1123		
9.84'	1,20	333	499		
13.12'	1,60	187	281		
5,00	2,00	120	180		


L - 40°

		Lux max (3000K)		cd/klm max 1880	— C0 - C180
H (m)	Ø (m)	12W	18W		
3.28'	0,79	962	1444		
6.56'	1,59	241	361		
9.84'	2,38	107	160		
13.12'	3,18	60	90		
5,00	3,97	38	58		

