

Art Number	Model
WL961019	20W 24VDC Single Color
WL961020	30W 24VDC RGB



Features

- FUTON underwater surface light adopt OSRAM COB led as a light source for single color and SMD 3535 for RGB
- Body completely made in hard chrome plated molding shaped stainless steel AISI 316 L marine grade.
- PMMA 8 mm tempered safety glass light window with silicone gasket.
- Optical lens reflector efficiency @ $\geq 85\%$.
- Excellent heat conductivity aluminum PCB which gives co efficient of heat conductivity $\geq 2.0w/mk$.
- Built in overheat sensor system which helps to automatic shutdown @ $75^{\circ}C$.
- Available tripod optional accessories.
- Application environment must be the temperature of water between $-20^{\circ}C$ - $+40^{\circ}C$ less than 1 meter depth.
- Must be installed under the water to prevent the light from burning up because of over heating.



Product Specification

LED Chip	OSRAM/ SMD3535
Power	20W/ 30W
Input	24VDC
Output	1478lm/1679lm 835lm (RGB)
CCT	3000K(30), 4000K(40), 6000K(60), Red(RE), Green(GR), Blue(BL) RGB 3 in 1(01)
LED Qty	1 LED/ 6LED

Technical Data

IP Rating	IP68
IK Rate	IK10
Housing/ Front Cover	Hard chromplated molding shaped Stainless steel SUS #316
Finishing	Stainless steel #316 (09)
Light Window	Tempered glass 8mm
Power Cable	H05RN-F 2x1.0mm ² / L=3m (Single color) H05RN-F 4x1.0mm ² / L=3m (RGB 3 in 1)
Mounting	Tripod/ Floor surface with bracket
Cable Gland	IP68 PG11 Copper with nickel coated

Photometric Data

CRI	80
Luminous Efficacy	74lm/W- 29lm/W(RGB)
Beam Angle	10° (10)/ 22° (22)/ 38° (38)(single Color) 30° (RGB)
Operating Temp.	$-25^{\circ}C$ - $+50^{\circ}$

Order Code Example

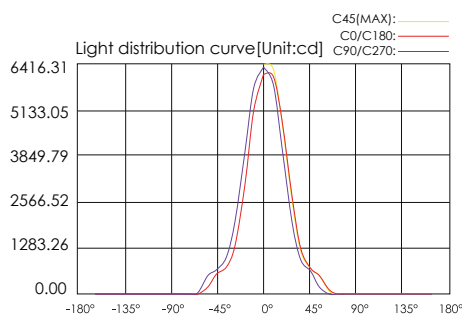
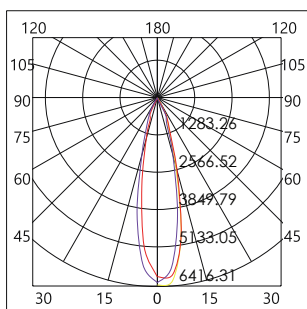
Artnumber	Finish	Beam Angle	Color Temp
WL961012	SS(09)	30° (30)	3000K(30)
WL961012.09.30.30			

•Warning: Must be installed under the water to prevent the light from being burnt off because of over-heating.

We reserve the right to make technical changes without prior notice
Electrical/Optical data are subjected to a tolerance of +/-10%



Symmetrical Beam Angle 25°

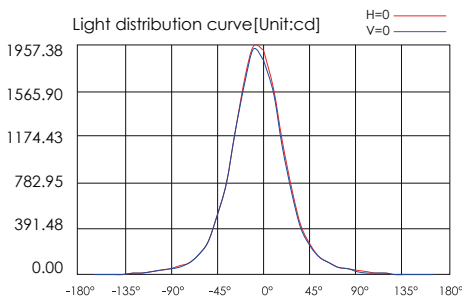
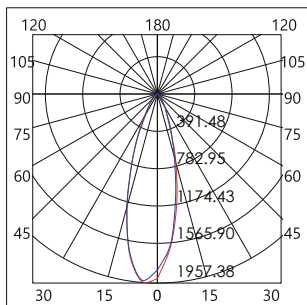


Lux distance cure

Distance (m)	Illuminance at a distance	
	Center beam LUX	Beam width V H
2m	1531.21 LUX	0.9m 0.8m
4m	382.80 LUX	1.7m 1.7m
6m	170.13 LUX	2.6m 2.5m
8m	95.70 LUX	3.4m 3.3m
10m	61.25 LUX	4.3m 4.2m
12m	42.53 LUX	5.2m 5.0m

Ver.Spread:24.3 Horiz.Spread:23.7

RGB Beam Angle 30°



Lux distance cure

Distance (m)	Illuminance at a distance	
	Center beam LUX	Beam width V H
2m	508.05 LUX	1.1m 1.1m
4m	127.01 LUX	2.1m 2.1m
6m	56.45 LUX	3.2m 3.2m
8m	31.75 LUX	4.3m 4.2m
10m	20.32 LUX	5.3m 5.3m
12m	14.11 LUX	6.4m 6.3m

Ver.Spread:29.9 Horiz.Spread:29.5

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