

SERIES DESIRE

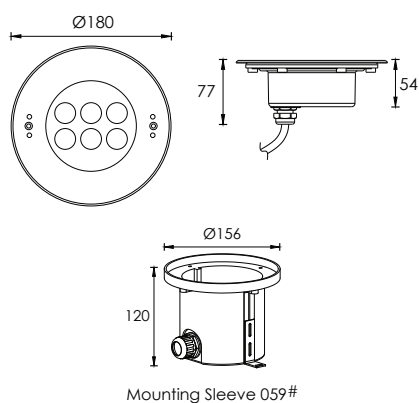
Underwater Light 12W IP68

Art Number	Model	
WL961006	12W	24VDC Single Color
WL961007	12W	24VDC RGB 3 in 1
WL961008	24W	24VDC RGBW



Features

- Desire series swimming pool underwater luminaire adopt OSRAM led as a light source for single color and SMD 3535 for RGB/RGBW
- Completely made in stainless steel with stainless steel trim with 8mm tempered glass sealed with silicon gasket
- Excellent heat conductivity aluminum PCB, co-efficient of heatconductivity $\geq 2.0w/mk$
- Round shape luminaire install wall recessed with mounting sleeve
- Dimmable support: TRIAC/ PWM/ 1-10V/ Dali/ DMX 512
- IP68 Underwater luminaire within 1 meter depth.
- Caution: Luminaire must be installed in under water



Product Specification

LED Chip	OSRAM LED/ SMD3535(RGB/RGBW)
Power	12W/ 24W
Input	24VDC
Output	[656lm(3000K)/ 754lm(6000K)30°] [682lm(3000K)/ 853lm(6000K)45x35°] 547lm(RGB)/ 816lm(RGBW)
CCT	3000K(30), 4000K(40), 6000K(60), Red(RE), Green(GR), Blue(BL) RGB 3 in 1(01) RGBW(6000K) 4 in 1(03)
LED Qty	6 LED

Technical Data

IP Rating	IP68
IK Rate	IK08
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) H05RN-F 5x0.75mm ² / L=3m (RGBW)
Mounting Sleeve	Polypropylene
Cable Gland	IP68 PG11 Copper with nickel coated

Photometric Data

CRI	80
Luminous Efficacy	54lm/W - 45lm/W(RGB) - 34lm/W(RGBW)
Beam Angle	20°(20)/ 25°(25)/ 30°(30)/ 35°(35)/ 45°(45) 45°x35°(A4) [30°(30)RGB/RGBW]
Operating Temp.	-20°C-+50°

Order Code Example

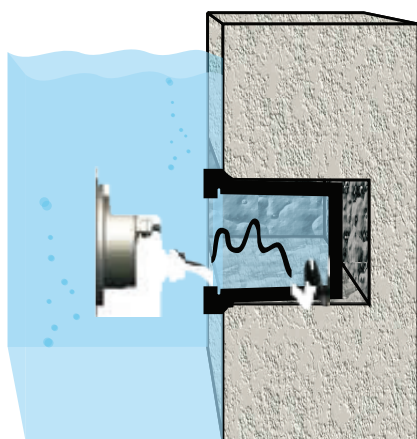
Artnumber	Finish	Beam Angle	Color Temp
WL961003	SS(09)	25°(25)	3000K(30)
WL881035.09.25.30			

- Water must be allowed to go inside and outside sleeve freely without leaking to the other side.
- Warning: Must be installed under the water to prevent the light from being burnt off because of over-heating.

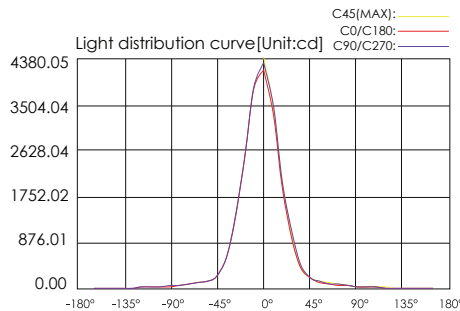
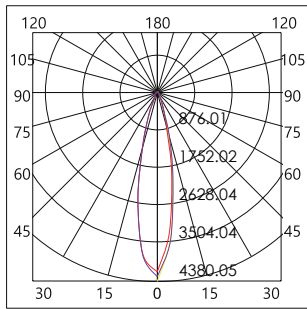
We reserve the right to make technical changes without prior notice
Electrical/Optical data are subjected to a tolerance of +/-10%

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Symmetrical Beam Angle 30°

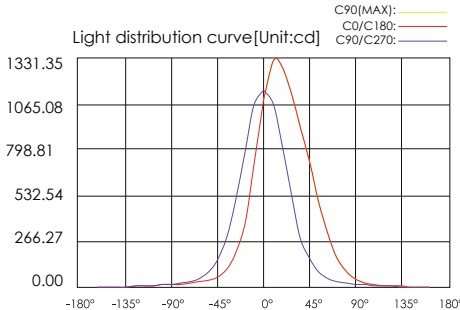
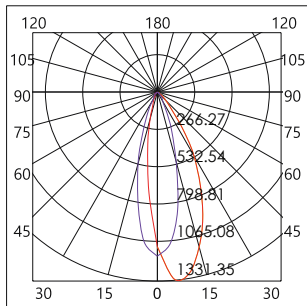


Lux distance cure

	Illuminance at a distance	
	Center beam LUX	Beam width V H
2m	1037.10 LUX	0.7m 0.7m
4m	259.27 LUX	1.5m 1.5m
6m	115.23 LUX	2.2m 2.2m
8m	64.82 LUX	3.0m 2.9m
10m	41.48 LUX	3.7m 3.6m
12m	28.81 LUX	4.5m 4.4m

Ver.Spread:21.1 Horiz.Spread:20.7

Asymmetrical Beam Angle 30°

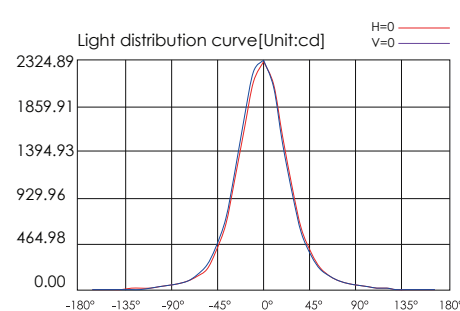
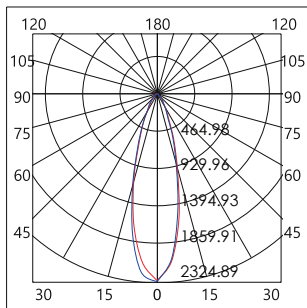


Lux distance cure

	Illuminance at a distance	
	Center beam LUX	Beam width V H
2m	274.29 LUX	1.1m 1.2m
4m	68.57 LUX	2.2m 2.3m
6m	30.48 LUX	3.2m 3.5m
8m	17.14 LUX	4.3m 4.6m
10m	10.97 LUX	5.4m 5.8m
12m	7.62 LUX	6.5m 6.9m

Ver.Spread:30.1 Horiz.Spread:32.1

RGB 30°

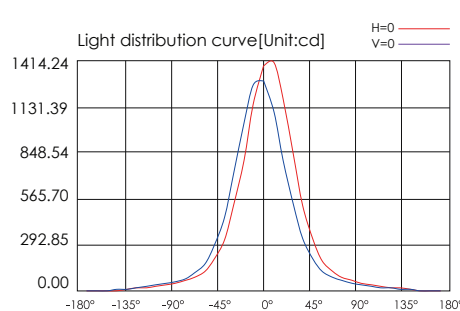
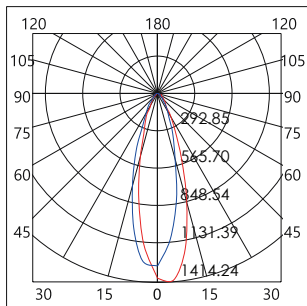


Lux distance cure

	Illuminance at a distance	
	Center beam LUX	Beam width V H
2m	567.72 LUX	1.0m 1.0m
4m	141.93 LUX	2.0m 2.0m
6m	63.08 LUX	3.0m 3.0m
8m	35.48 LUX	4.0m 4.0m
10m	22.71 LUX	5.0m 5.0m
12m	15.77 LUX	6.0m 6.0m

Ver.Spread:28 Horiz.Spread:28.3

RGBW 30°



Lux distance cure

	Illuminance at a distance	
	Center beam LUX	Beam width V H
2m	307.63 LUX	1.0m 1.0m
4m	76.91 LUX	2.0m 2.0m
6m	34.18 LUX	3.0m 2.5m
8m	19.23 LUX	4.0m 3.5m
10m	12.31 LUX	5.0m 4.5m
12m	8.55 LUX	6.0m 5.5m

Ver.Spread:27.9 Horiz.Spread:27.5