

Art Number	Model	
WL961012	36W	24VDC Single Color
WL961013	36W	24VDC RGB 3 in 1
WL961014	54W	24VDC RGBW

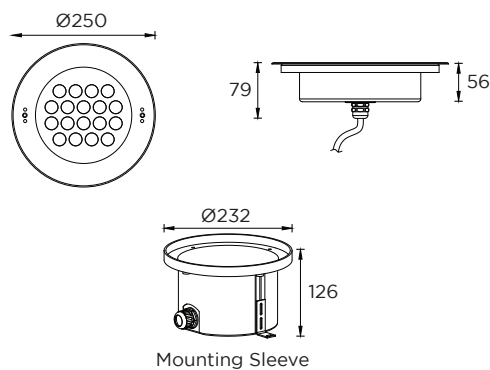


Features

- 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	36W/ 54W
Input	24VDC
Output	[1828lm(3000K)/ 2221lm(6000K)30°] [2114lm(3000K)/ 2532lm(6000K)45x35°] 1330lm(RGB)/ 2051lm(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	18 LED



Technical Data

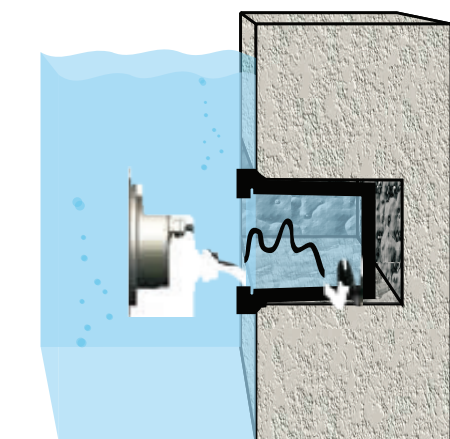
IP Rating	IP68
IK Rate	IK10
Housing/ Front Cover	Hard chromplated molding shaped Stainless steel SUS #316
Finishing	Stainless steel #316 (09)
Light Window	Tempered glass 8mm
Power Cable	H05RN-F 2x1.0mm ² / L=3m (Single color) H05RN-F 4x1.0mm ² / L=3m (RGB 3 in 1) H05RN-F 5x0.75mm ² / L=3m (RGBW)
Mounting Sleeve	Polypropylene
Cable Gland	IP68 PG11 Copper with nickel coated

Photometric Data

CRI	80
Luminous Efficacy	51lm/W - 37lm/W(RGB) - 37lm/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

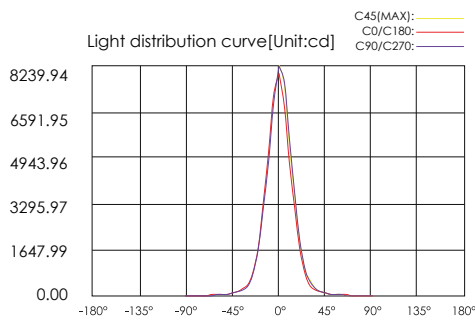
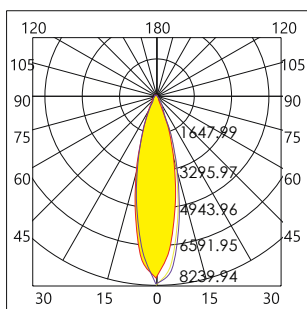
Artnumber	Finish	Beam Angle	Color Temp
WL961003	SS(09)	25°(25)	3000K(30)
WL881035.09.25.30			



- 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%

Symmetrical Beam Angle 30°

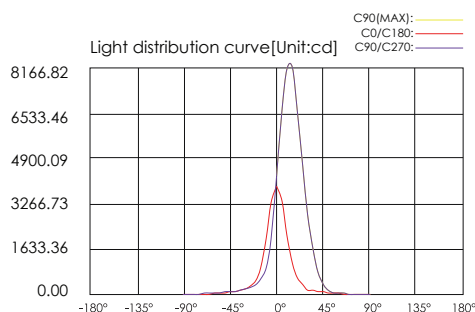
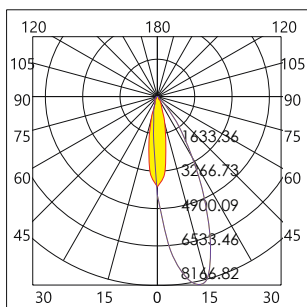


Lux distance cure

	Illuminance at a distance	
	Center beam LUX	Beam width V H
2m	1981.91 LUX	0.9m 0.9m
4m	495.48 LUX	1.8m 1.8m
6m	220.21 LUX	2.8m 2.6m
8m	123.87 LUX	3.7m 3.5m
10m	79.28 LUX	4.6m 4.4m
12m	55.05 LUX	5.5m 5.3m

Ver.Spread:25.9 Horiz.Spread:24.8

Asymmetrical Beam Angle 30°

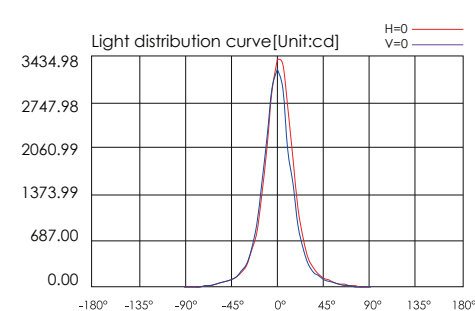
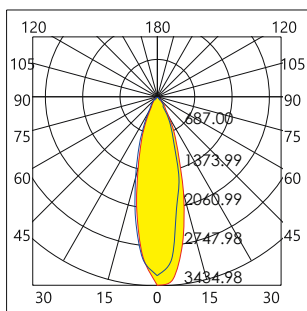


Lux distance cure

	Illuminance at a distance	
	Center beam LUX	Beam width V H
2m	978.42 LUX	1.0m 0.8m
4m	244.61 LUX	1.9m 1.5m
6m	108.71 LUX	2.9m 2.3m
8m	61.15 LUX	3.8m 3.0m
10m	39.14 LUX	4.8m 3.8m
12m	27.18 LUX	5.8m 4.6m

Ver.Spread:27.0 Horiz.Spread:21.6

RGB 30°

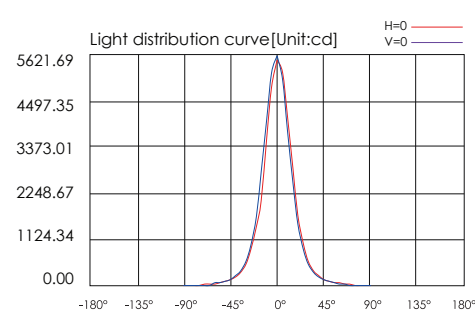
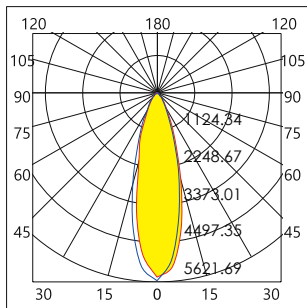


Lux distance cure

	Illuminance at a distance	
	Center beam LUX	Beam width V H
2m	810.61 LUX	1.0m 1.0m
4m	202.65 LUX	2.1m 1.9m
6m	90.07 LUX	3.1m 2.9m
8m	50.66 LUX	4.1m 3.8m
10m	32.42 LUX	5.1m 4.8m
12m	22.52 LUX	6.2m 5.8m

Ver.Spread:28.9 Horiz.Spread:27.0

RGBW 30°



Lux distance cure

	Illuminance at a distance	
	Center beam LUX	Beam width V H
2m	1372.45 LUX	1.0m 1.0m
4m	343.11 LUX	2.0m 2.0m
6m	152.49 LUX	3.0m 3.1m
8m	85.78 LUX	4.0m 4.1m
10m	54.9 LUX	4.9m 5.1m
12m	38.12 LUX	5.9m 6.1m

Ver.Spread:27.8 Horiz.Spread:28.7