



LIGHTING
TECHNOLOGY & CONTROL

The Great Barrier Reef

**Recessed Underwater Light
316L Stainless Steel**



IP68 LED Underwater Luminaires







The Great Barrier Reef-Series

IP68 LED UNDERWATER LIGHTS

LUMINAIRE:

- SUS 316 stainless steel front cover and body
- Engineering plastic or 316 stainless steel mounting sleeve(recessed box)
- Shock resistant temper glass cover for protection
- Electrically neutral thermal path to ensure performance
- IP68 rated designed and engineered for the highest performance underwater
- Complies with standards EN60598 and pertinent regulations
- Customized made is available upon request

OPTICAL SYSTEM:

- Polycarbonate UV-resistant lens
- Symmetrical or asymmetrical light distribution for options
- Narrow spot, spot, flood, wide flood, extra wide flood and oval flood optics
- Optional anti-glare accessories for improved visual comfort

LIGHT COLOURS MANAGEMENT:

- High uniformity for outdoor lighting.
- Single color, or 3-in-1 RGB and 4-in-1 RGBW LEDs for color mixing versions

INSTALLATION

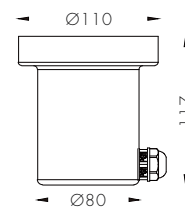
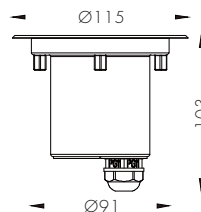
- Underwater installation with mounting sleeve (recessed box) on floor or wall



Model No.: 14BC | 6W / 9W/ 10W | Recessed LED Underwater Light



Units:mm



Mounting sleeve

Technical Specifications

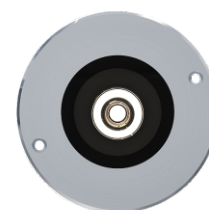
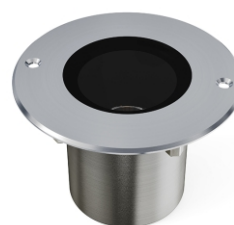
Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Ø1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (lm)	IK Rate
14BC-101	ON/OFF, PWM	2700~6500K	1x8W CREE COB LED	15°, 24°, 36°, 60°	12/24VDC	6.8	Cool white=568 Warm white=491	08
14BC-103	ON/OFF, PWM	Single	3x2.5W CREE/OSRAM LED	10°, 25°, 40°, 60°, 80°, 10x45°, 25x45°	12/24VDC	6.3	Cool white=453 Warm white=385	08
14BC-303	ON/OFF, PWM	RGB Full Color	3x3W RGB 3-in-1 LED	12°, 25°, 40°, 60°, 12x45°	12/24VDC	8.9	210	08
14BC-403	ON/OFF, PWM	RGBW Full Color	3x3.5W RGB 3-in-1 LED	12°, 25°, 40°, 60°, 12x45°	12/24VDC	10.5	294	08

Material Specifications

Housing and Front Cover:	SUS 316 Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens	Optical lens, efficiency≥85%
LED:	Type:SMD LED or COB LED, Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Operating Temperature:	-20°C~+40°C
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Mounting Sleeve (included)	SUS 316 Stainless Steel
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

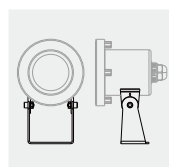
Warning:

- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.



COB LED +Optical lens version

Optional Accessories

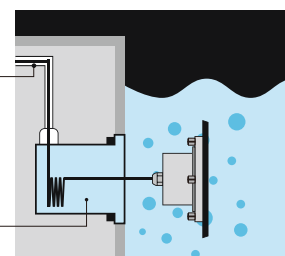


U-bracket 14BC-A1

Non-standard mounting accessory
Material: SUS 316 stainless steel
Pre-made in factory
There is MOQ requirement, please inquire us separately

Power cable must be higher than water.

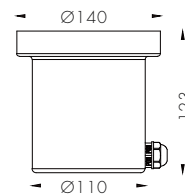
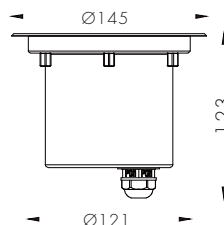
Flushed with water for preventing over heat:
Water must be allowed to go inside and outside mounting sleeve freely without leaking from the other side



Model No.: 14BD | 18W /22W | Recessed LED Underwater Light



Units:mm



Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Θ1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
14BD-101	ON/OFF, PWM, DMX512	2700~6500K	1x18W CREE COB LED	15°, 24°, 36°, 60°	12/24VDC	18.2	Cool white=1547 Warm white=1314	08
14BD-103	ON/OFF, PWM, DMX512	Single	6x3W CREE/OSRAM LED	10°, 25°, 40°, 60°, 80°, 10x45°, 25x45°	12/24VDC	18.6	Cool white=1339 Warm white=1132	08
14BD-303	ON/OFF, PWM, DMX512	RGB Full Color	6x3W RGB 3-in-1 LED	12°, 25°, 40°, 60°, 12x45°	12/24VDC	18.6	440	08
14BD-403	ON/OFF, PWM, DMX512	RGBW Full Color	6x3.5W RGB 3-in-1 LED	12°, 25°, 40°, 60°, 12x45°	12/24VDC	22	618	08

Material Specifications

Housing and Front Cover:	SUS 316 Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens	Optical lens, efficiency≥85%
LED:	Type:SMD LED or COB LED, Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Operating Temperature:	-20°C~+40°C
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Mounting Sleeve (included)	SUS 316 Stainless Steel
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

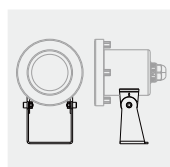
Warning:

- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 1.5 minutes (cooling) due to the bad thermal conductivity of stainless steel.



COB LED +Optical lens version

Optional Accessories

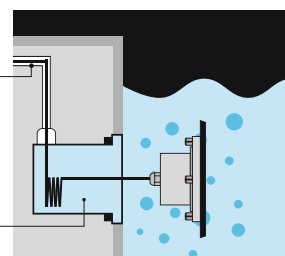


U-bracket 14BD-A1

Non-standard mounting accessory
Material: SUS 316 stainless steel
Pre-made in factory
There is MOQ requirement, please inquire us separately

Power cable must be higher than water.

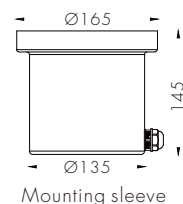
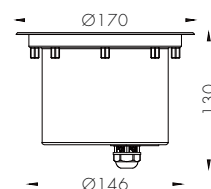
Flushed with water for preventing over heat:
Water must be allowed to go inside and outside mounting sleeve freely without leaking from the other side



Model No.: 14BE | 25W / 36W / 42W | Recessed LED Underwater Light



Units:mm



Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Θ1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (lm)	IK Rate
CL-14BE-101	ON/OFF, PWM, DMX512	2700~6500K	1x25W CREE COB LED	15°, 24°, 36°, 60°	12/24VDC	25	Cool white=2125 Warm white=1763	08
CL-14BE-103	ON/OFF, PWM, DMX512	Single Color	12x2.5W CREE/OSRAM LED	10°, 25°, 40°, 60°, 80°, 10x45°, 25x45°	12/24VDC	24.8	Cool white=1786 Warm white=1482	08
CL-14BE-303	ON/OFF, PWM, DMX512	RGB Full Color	12x3W RGB 3-in-1 LED	12°, 25°, 40°, 60°, 12x45°	12/24VDC	36	900	08
CL-14BE-403	ON/OFF, PWM, DMX512	RGBW Full Color	12x3.5W RGB 3-in-1 LED	12°, 25°, 40°, 60°, 12x45°	12/24VDC	42	1260	08

Material Specifications

Housing and Front Cover:	SUS 316 Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens	Optical lens, efficiency≥85%
LED:	Type:SMD LED or COB LED, Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Operating Temperature:	-20°C~+40°C
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Mounting Sleeve (included)	SUS 316 Stainless Steel
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

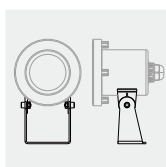


COB LED +Optical lens version

Warning:

- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.

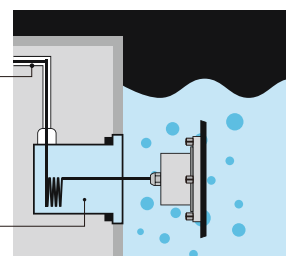
Optional Accessories



U-bracket 14BE-A1
Non-standard mounting accessory
Material: SUS 316 stainless steel
Pre-made in factory
There is MOQ requirement, please inquire us separately

Power cable must be higher than water.

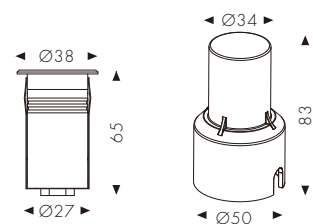
Flushed with water for preventing over heat:
Water must be allowed to go inside and outside mounting sleeve freely without leaking from the other side



Model No.: 14AA | 1.5W | Small Size Recessed LED Underwater Light



Units:mm



Mounting sleeve

Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Θ1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
CL-14AA-101	ON/OFF	Single Color	1×1.5W CREE/OSRAM LED	10°, 24°, 36°, 60°	12/24VDC	1.5	Cool white=96 Warm white=81	08

Material Specifications

Housing and Front Cover:	SUS 316 Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens	Optical lens, efficiency≥85%
LED:	Type:SMD LED , Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Operating Temperature:	-20°C~+40°C
Power Cable:	H05RN-F 4×0.75mm², L=3m (RGB) H05RN-F 2×1.0+3×0.5mm², L=3m (RGBW)
Mounting Sleeve (included)	ABS
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.



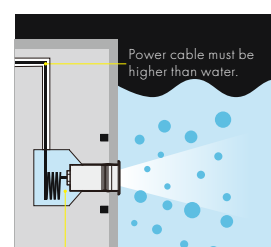
Optional Accessories

**Honeycomb Louvre** 14AA-A2

For models with optics30°.
Built-in anti-glare accessory for improved visual comfort



Use the Silicone with good stickiness and thermal effect for reach the purpose of radiating and prevent moisture.



Flushed with water for preventing over heat

Model No.: 14AB | 2.5W/3W/4W | Recessed LED Underwater Light



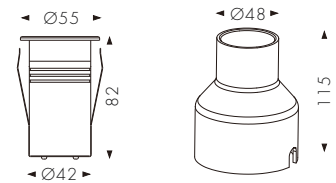
Units:mm



Symmetrical Light



Asymmetrical Light



Mounting Sleeve

Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Ø1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (lm)	IK Rate
14AB-101	ON/OFF, PWM	Single Color	1x2W CREE/OSRAM LED	10°, 24°, 36°, 60°	12/24VDC	2.5	Cool white=160 Warm white=131	08
14AB-101	ON/OFF	Single Color	1x2W CREE/OSRAM LED	Asymmetrical 45° 35°	12/24VDC	2.5	Cool white=148 Warm white=116	08
14AB-301	ON/OFF, PWM	RGB Full Color	1x3W RGB 3-in-1 LED	24°, 36°, 60°	12/24VDC	3.2	65	08
14AB-401	ON/OFF, PWM	RGBW Full Color	1x4W RGBW 4-in-1 LED	24°, 36°, 60°	12/24VDC	4.2	96	08

Material Specifications

Housing and Front Cover:	Molding Shape SUS 316L* Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens	Optical lens, efficiency≥85%
LED:	Type:SMD LED, or COB LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Application Environment:	Temperature of water between -20°C~+40°C, less than 1 meter underwater depth
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Mounting Sleeve (included)	ABS
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

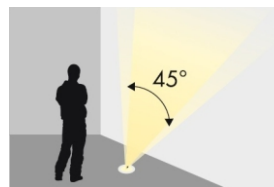
- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.



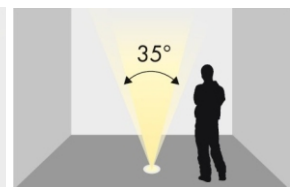
Asymmetrical lens 45°|35°



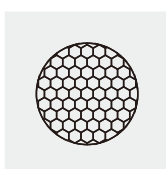
Symmetrical lens



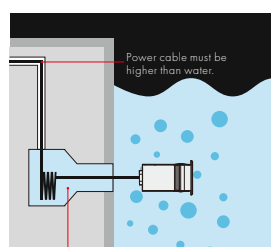
Asymmetrical lens 45°|35°



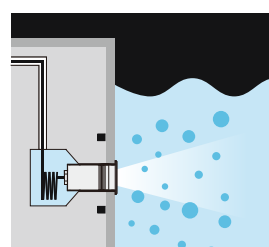
Optional Accessories



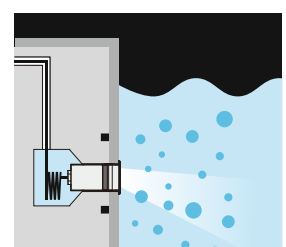
Honeycomb Louve 14AB-A2
For models with optics>30°. Built-in anti-glare accessory for improved visual comfort



Flushed with water for preventing over heat



Symmetrical light output

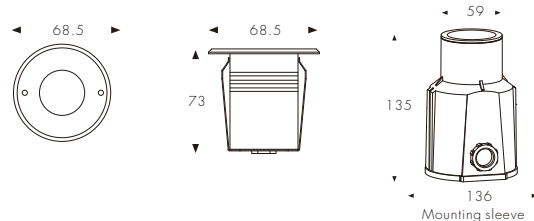


45°|35° Asymmetrical light output

Model No.: 14AC | 2.5W/3W/4W | Recessed LED Underwater Light



Units:mm



Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Θ1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (lm)	IK Rate
14AC-101	ON/OFF, PWM	Single Color	1×2W CREE/OSRAM LED	10°, 24°, 36°, 60°	12/24VDC	2.5	Cool white=160 Warm white=131	08
14AC-101	ON/OFF	Single Color	1×2W CREE/OSRAM LED	Asymmetrical 45° 35°	12/24VDC	2.5	Cool white=148 Warm white=116	08
14AC-301	ON/OFF, PWM	RGB Full Color	1×3W RGB 3-in-1 LED	24°, 36°, 60°	12/24VDC	3.2	65	08
14AC-401	ON/OFF, PWM	RGBW Full Color	1×4W RGBW 4-in-1 LED	24°, 36°, 60°	12/24VDC	4.2	96	08

Material Specifications

Housing and Front Cover:	Molding Shape SUS 316L* Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens	Optical lens, efficiency ≥85%
LED:	Type:SMD LED, or COB LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Application Environment:	Temperature of water between -20°C~+40°C, less than 1 meter underwater depth
Power Cable:	H05RN-F 2×1.0mm², L=3m (Single) H05RN-F 4×0.75mm², L=3m (RGB) H05RN-F 2×1.0+3×0.5mm², L=3m (RGBW)
Mounting Sleeve (included)	ABS
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

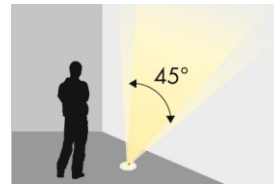
- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.



Asymmetrical lens 45°|35°



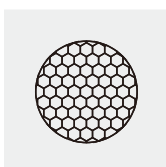
Symmetrical lens



Asymmetrical lens 45°|35°

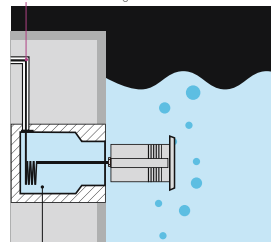


Optional Accessories

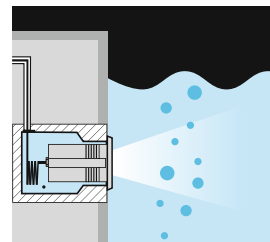
**Honeycomb Louvre** 14AC-A2

For models with optics>30°. Built-in anti-glare accessory for improved visual comfort

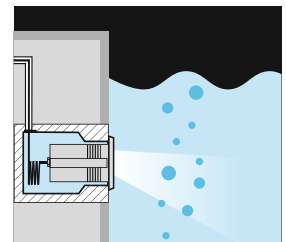
Power cable must be higher than water.



Flushed with water for preventing over heat



Symmetrical light output



45°|35° Asymmetrical light output

Model No.: 14XC | 8W/12W/15W | Recessed LED Underwater Light



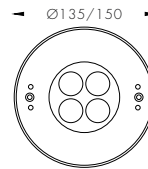
Units:mm



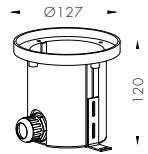
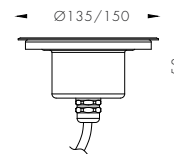
Symmetrical Light



Asymmetrical Light



Standard Front Cover: Ø135mm, and Optional Ø150mm



Mounting sleeve

Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Θ1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (lm)	IK Rate
14XC-104	ON/OFF, PWM	Single Color	4x2W CREE/OSRAM LED	10°, 24°, 36°, 60°	24VDC	8.6	Cool white=595 Warm white=506	08
14XC-104	ON/OFF	Single Color	4x2W CREE/OSRAM LED	Asymmetrical 45° 35°	24VDC	8.6	Cool white=595 Warm white=506	08
14XC-304	ON/OFF, PWM	RGB Full Color	4x3W RGB 3-in-1 LED	24°, 36°, 60°	24VDC	12	296	08
14XC-404	ON/OFF, PWM	RGBW Full Color	4x4W RGBW 4-in-1 LED	24°, 36°, 60°	24VDC	15	415	08

Note: This underwater light with 1 piece×8W COB LED+optical lens, or 3pcs×2W(mono)/3/W(RGB)/4W(RGBW) LEDs are available, please inquire separately.

Material Specifications

Housing and Front Cover:	Molding Shape SUS 316L# Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens:	Optical lens, efficiency≥85%
LED:	Type:SMD LED, or COB LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Application Environment:	Temperature of water between -20°C~+40°C, less than 1 meter underwater depth
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Mounting Sleeve (included)	ABS
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.



Symmetrical lens

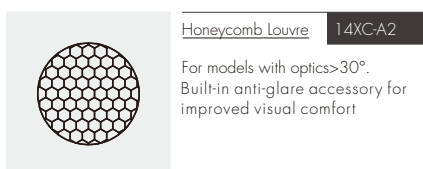


Asymmetrical lens 45°|35°



Appearance

Optional Accessories

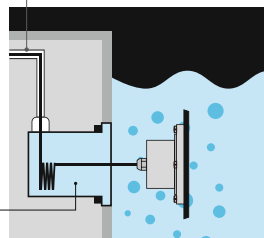


Honeycomb Louvre 14XC-A2

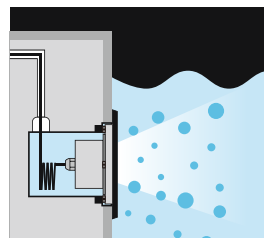
For models with optics>30°. Built-in anti-glare accessory for improved visual comfort

Flushed with water for preventing over heat: Water must be allowed to go inside and outside mounting sleeve freely without leaking from the other side

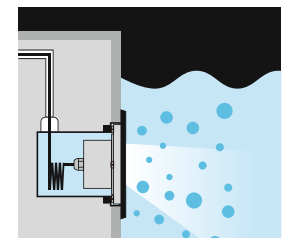
Power cable must be higher than water



Symmetrical light output



45°|35° Asymmetrical light output



Model No.: 14YB | 12W/18W/24W | Recessed LED Underwater Light



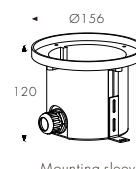
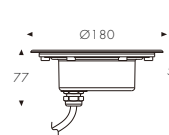
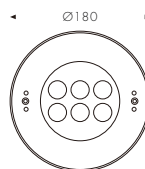
Units:mm



Symmetrical Light



Asymmetrical Light



Mounting sleeve

Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (lm)	IK Rate
14YB-106	ON/OFF, PWM	Single Color	6x2W CREE/OSRAM LED	10°, 24°, 36°, 60°	24VDC	12.6	Cool white=907 Warm white=772	08
14YB-106	ON/OFF	Single Color	6x2W CREE/OSRAM LED	Asymmetrical 45° 35°	24VDC	12.6	Cool white=816 Warm white=694	08
14YB-306	ON/OFF, PWM	RGB Full Color	6x3W RGB 3-in-1 LED	24°, 36°, 60°	24VDC	18.2	456	08
14YB-406	ON/OFF, PWM	RGBW Full Color	6x4W RGBW 4-in-1 LED	24°, 36°, 60°	24VDC	24	713	08

Note: This underwater light with 1 piece X15W COB LED+optical lens is available, please inquire separately.

Material Specifications

Housing and Front Cover:	Molding Shape SUS 316L [#] Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens	Optical lens, efficiency≥85%
LED:	Type:SMD LED, or COB LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Application Environment:	Temperature of water between -20°C~+40°C,
Power Cable:	H05RN-F 2x1.0mm ² , L=3m (Single) H05RN-F 4x0.75mm ² , L=3m (RGB) H05RN-F 2x1.0+3x0.5mm ² , L=3m (RGBW)
Mounting Sleeve (included)	ABS
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

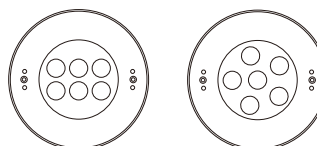
- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.



Symmetrical lens



Asymmetrical lens 45°|35°

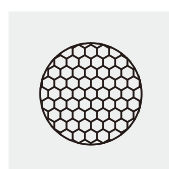


2 different LED arrangements for Options



Appearance

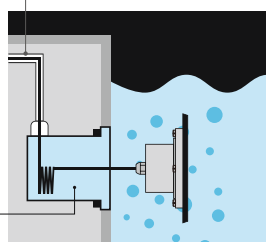
Optional Accessories

**Honeycomb Louve** 14YB-A2

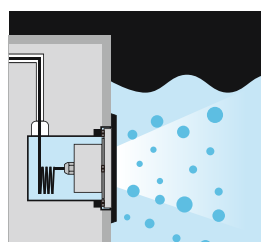
For models with optics>30°. Built-in anti-glare accessory for improved visual comfort

Flushed with water for preventing over heat:
Water must be allowed to go inside and outside mounting sleeve freely without leaking from the other side

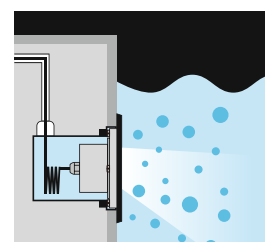
Power cable must be higher than water



Symmetrical light output



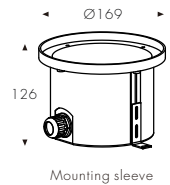
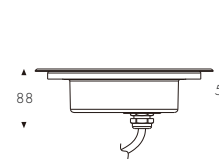
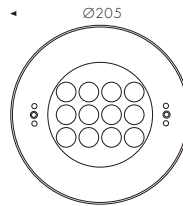
45°|35° Asymmetrical light output



Model No.: 14ZB | 25W/33W/42W | Recessed LED Underwater Light



Units:mm



Mounting sleeve

Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Ø1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
14ZB-112	ON/OFF, PWM	Single Color	12x2W CREE/OSRAM LED	10°, 24°, 36°, 60°	24VDC	25	Cool white=1983 Warm white=1494	08
14ZB-112	ON/OFF	Single Color	12x2W CREE/OSRAM LED	Asymmetrical 45° 35°	24VDC	25	Cool white=1983 Warm white=1494	08
14ZB-312	ON/OFF, PWM	RGB Full Color	12x3W RGB 3-in-1 LED	24°, 36°, 60°	24VDC	33	950	08
14ZB-412	ON/OFF, PWM	RGBW Full Color	12x4W RGBW 4-in-1 LED	24°, 36°, 60°	24VDC	42	1315	08

Note: This underwater light with 1 piece X25W COB LED+optical lens with high light efficiency 80~110LM/W is available, please inquire separately.

Material Specifications

Housing and Front Cover:	Molding Shape SUS 316L [#] Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens	Optical lens, efficiency≥85%
LED:	Type:SMD LED, or COB LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Application Environment:	Temperature of water between -20°C~+40°C, less than 1 meter underwater depth
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Mounting Sleeve (included)	ABS
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.



Symmetrical lens



Asymmetrical lens 45°|35°



Symmetrical Light

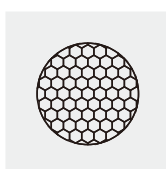


Asymmetrical Light



Appearance

Optional Accessories

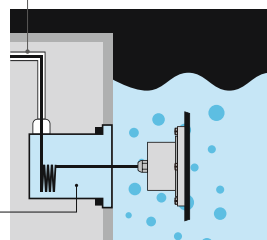


Honeycomb Louvre 14ZB-A2

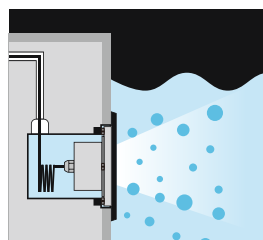
For models with optics>30°. Built-in anti-glare accessory for improved visual comfort

Flushed with water for preventing over heat:
Water must be allowed to go inside and outside mounting sleeve freely without leaking from the other side

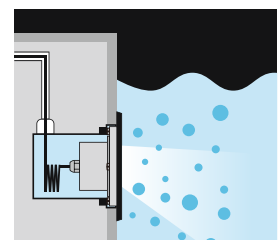
Power cable must be higher than water



Symmetrical light output



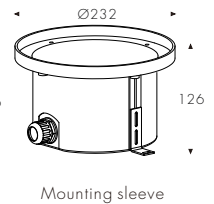
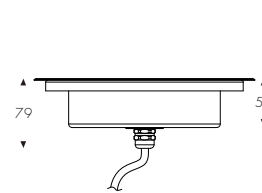
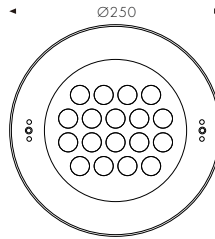
45°|35° Asymmetrical light output



Model No.: 14FB | 38W/48W/66W | Recessed LED Underwater Light



Units:mm



Mounting sleeve

Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Ø1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
14FB-118	ON/OFF, PWM	Single Color	18x2W CREE/OSRAM LED	10°, 24°, 36°, 60°, 100°, 10x30°, 10x60°	24VDC	38	Cool white=2905 Warm white=2412	10
14FB-118	ON/OFF	Single Color	18x2W CREE/OSRAM LED	Asymmetrical 45° 35°	24VDC	38	Cool white=2706 Warm white=2245	10
14FB-318	ON/OFF, PWM	RGB Full Color	18x2.5W RGB 3-in-1 LED	24°, 36°, 60°, 12x45°	24VDC	48	1056	10
14FB-418	ON/OFF, PWM	RGBW Full Color	18x3.5W RGBW 4-in-1 LED	24°, 36°, 60°, 12x45°	24VDC	66	2310	10

Note: This underwater light with 1 piece X45W COB LED+optical lens with high light efficiency 80~110LM/W and 36pcs x 1.5W LEDs are available, please inquire separately.

Material Specifications

Housing and Front Cover:	Molding Shape SUS 316L [#] Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens	Optical lens, efficiency≥85%
LED:	Type:SMD LED, or COB LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Application Environment:	Temperature of water between -20°C~+40°C, less than 1 meter underwater depth
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Mounting Sleeve (included)	ABS
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.



Symmetrical lens



Asymmetrical lens 45°|35°



Symmetrical Light



Asymmetrical Light



Appearance

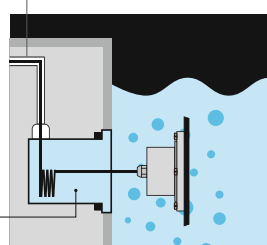
Optional Accessories



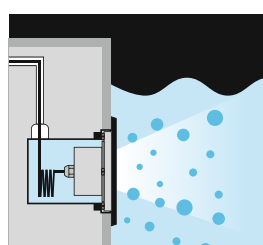
Honeycomb Louvre 14FB-A2
For models with optics>30°. Built-in anti-glare accessory for improved visual comfort

Flushed with water for preventing over heat:
Water must be allowed to go inside and outside mounting sleeve freely without leaking from the other side

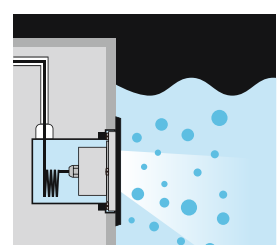
Power cable must be higher than water



Symmetrical light output



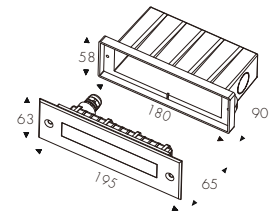
45°|35° Asymmetrical light output



Model No.: 14FL | 6W/9W/12W | Recessed LED Underwater Linear Light



Units:mm



Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Ø1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
CL-14FL-103	ON/OFF, PWM	Single Color	3x2W CREE/OSRAM LED	10°, 24°, 36°, 60°	24VDC	6	Cool white=432 Warm white=358	08
CL-14FL-103	ON/OFF	Single Color	3x2W CREE/OSRAM LED	Asymmetrical 45° 35°	24VDC	6	Cool white=432 Warm white=358	08
CL-14FL-303	ON/OFF, PWM	RGB Full Color	3x3W RGB 3-in-1 LED	24°, 36°, 60°	24VDC	9	188	08
CL-14FL-403	ON/OFF, PWM	RGBW Full Color	3x4W RGBW 4-in-1 LED	24°, 36°, 60°	24VDC	12	275	08

Material Specifications

Front Cover:	SUS 316L* Stainless Steel
Housing	Molding Shape SUS 316* Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens	Optical lens, efficiency≥85%
LED:	Type:SMD LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Application Environment:	Temperature of water between -20°C~+40°C, less than 1 meter underwater depth
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Mounting Sleeve (included)	ABS
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

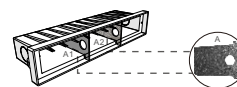
- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.



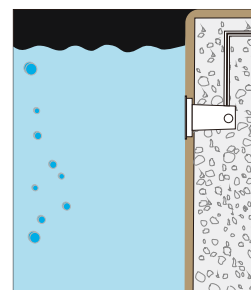
Symmetrical lens



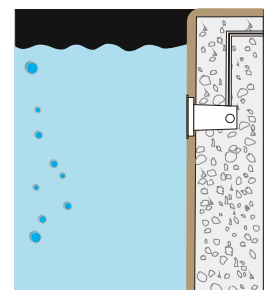
Asymmetrical lens 45°|35°



- The left picture-"A" is the support plate used for "mounting sleeve" during the construction installation process to prevent deformation of the mounting sleeve.
- The loading way is as A1, A2.
- L195mm version need 1 piece & L328mm version need 2pcs for support.
- Please remove the support plate (A1&A2) from the "mounting sleeve" before installation of fitting.



Symmetrical light output

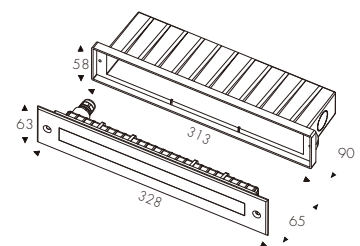


45°|35° Asymmetrical light output

Model No.: 14SL | 12W/15W/22W | Recessed LED Underwater Linear Light



Units:mm



Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Ø 1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
14SL-106	ON/OFF, PWM	Single Color	6x2W CREE/OSRAM LED	10°, 24°, 36°, 60°	24VDC	12	Cool white=801 Warm white=675	08
14SL-106	ON/OFF	Single Color	6x2W CREE/OSRAM LED	Asymmetrical 45° 35°	24VDC	12	Cool white=801 Warm white=675	08
14SL-306	ON/OFF, PWM	RGB Full Color	6x2.5W RGB 3-in-1 LED	24°, 36°, 60°	24VDC	15	368	08
14SL-406	ON/OFF, PWM	RGBW Full Color	6x3.5W RGBW 4-in-1 LED	24°, 36°, 60°	24VDC	22	583	08

Material Specifications

Front Cover:	SUS 316L* Stainless Steel
Housing:	Molding Shape SUS 316* Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens:	Optical lens, efficiency≥85%
LED:	Type:SMD LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC 12/24V input
Application Environment:	Temperature of water between -20°C~+40°C, less than 1 meter underwater depth
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Mounting Sleeve (included)	ABS
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

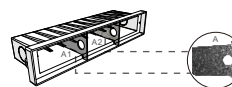
- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.



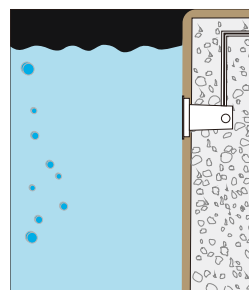
Symmetrical lens



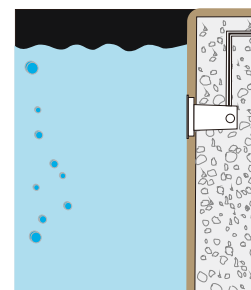
Asymmetrical lens 45°|35°



- The left picture-"A" is the support plate used for "mounting sleeve" during the construction installation process to prevent deformation of the mounting sleeve.
- The loading way is as A1, A2.
- L195mm version need 1 piece & L328mm version need 2 pcs for support.
- Please remove the support plate (A1 & A2) from the "mounting sleeve" before installation of fitting.



Symmetrical light output



45°|35° Asymmetrical light output

Fountain Light











IP68 LED FOUNTAIN LIGHTS

LUMINAIRE:

- SUS 316 stainless steel lamp body
- Shock resistant temper glass cover for protection
- Electrically neutral thermal path to ensure performance
- IP68 rated designed and engineered for the highest performance underwater
- Complies with standards EN60598 and pertinent regulations
- Customized made is available upon request

OPTICAL SYSTEM:

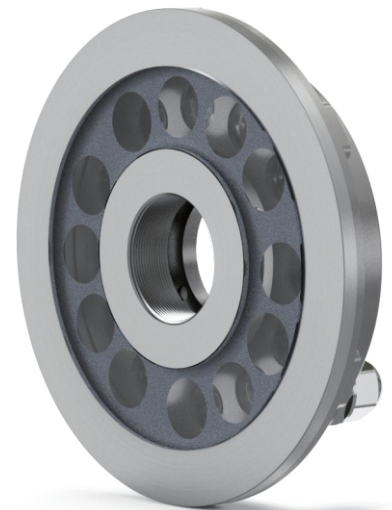
- Polycarbonate UV-resistant lens
- Symmetrical light distribution for options
- Narrow spot, spot, flood, wide flood, extra wide flood and oval flood optics
- Optional anti-glare accessories for improved visual comfort

LIGHT COLOURS MANAGEMENT:

- High uniformity for outdoor lighting.
- Single color, or 3-in-1 RGB and 4-in-1 RGBW LEDs for color mixing versions

INSTALLATION

- Underwater installation with nozzle or other ways



Model No.: 14TA / 04TB | 18W/28W/35W | LED Fountain Lights



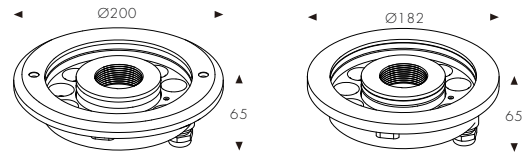
Units:mm



CL-14TA
Dry land fountain light



CL-14TB
Pool fountain light



Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Ø1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (lm)	IK Rate
14TA-109 14TB-109	ON/OFF, PWM	Single Color	9x2W CREE/OSRAM LED	10°, 24°, 36°, 60°, 10x30°, 10x60°	24VDC	18	Cool white=1292 Warm white=1101	09
14TA-309 14TB-309	ON/OFF, PWM, DMX512	RGB Full Color	9x3W RGB 3-in-1 LED	24°, 36°, 60°, 10x30°, 10x60°	24VDC	28	650	09
14TA-409 14TB-409	ON/OFF, PWM, DMX512	RGBW Full Color	9x4W RGBW 4-in-1 LED	24°, 36°, 60°, 10x30°, 10x60°	24VDC	35	948	09

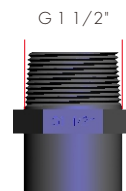
Note: please inquire separately about DMX512 control.

Material Specifications

Front Cover & Housing:	SUS 316 Stainless Steel
Light Window:	Tempered Glass, T=10mm
Lens:	Optical lens, efficiency≥85%
LED:	Type:SMD LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Cable Gland:	IP68 PG11 Copper and Nickel Coated
Application Environment:	Temperature of water between -20°C~+40°C, less than 1meter underwater depth
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.



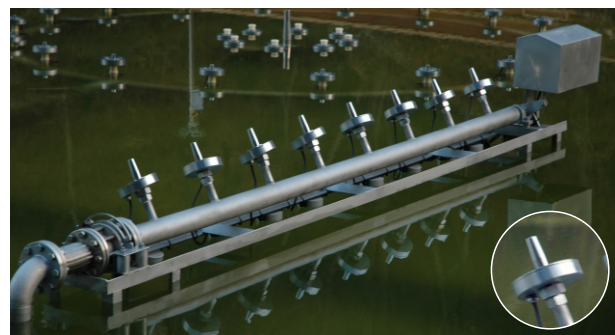
Water jet pipe
G 1 1/2" taper



Please order water jet pipe separately



Dry land fountain light

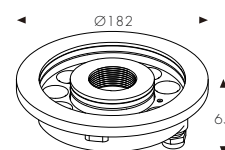
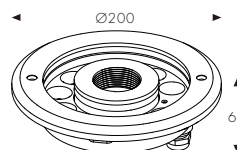


Pool fountain light

Model No.: 14TA / 04TB | 25W/34W/42W | LED Fountain Light



Units:mm

CL-14TA
Dry land fountain lightCL-14TB
Pool fountain light

Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Ø 1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
14TA-112 14TB-112	ON/OFF, PWM	Single Color	12x2W CREE/OSRAM LED	10°, 24°, 36°, 60°, 10x30°, 10x60°	24VDC	25	Cool white=2067 Warm white=1610	09
14TA-312 14TB-312	ON/OFF, PWM, DMX512	RGB Full Color	12x2.5W RGB 3-in-1 LED	24°, 36°, 60°, 10x30°, 10x60°	24VDC	34	726	09
14TA-412 14TB-412	ON/OFF, PWM, DMX512	RGBW Full Color	12x3.5W RGBW 4-in-1 LED	24°, 36°, 60°, 10x30°, 10x60°	24VDC	42	1245	09

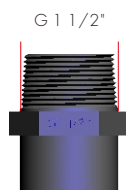
Note: please inquire separately about DMX512 control.

Material Specifications

Front Cover & Housing:	SUS 316* Stainless Steel
Light Window:	Tempered Glass, T=10mm
Lens:	Optical lens, efficiency≥85%
LED:	Type:SMD LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Cable Gland:	IP68 PG11 Copper and Nickel Coated
Application Environment:	Temperature of water between -20°C~+40°C, less than 1 meter underwater depth
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

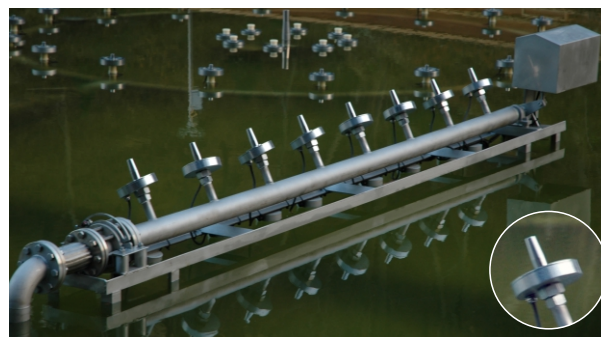
- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.

Water jet pipe
G 1 1/2" taper

Please order water jet pipe separately



Dry land fountain light



Pool fountain light

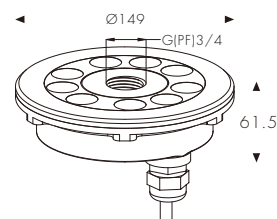
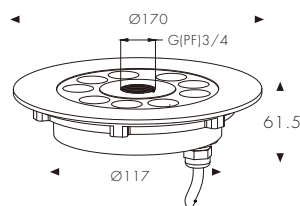
Dry Land Fountain Lights



Model No.: 14SA / 14SB | 18W/28W/35W | LED Fountain Lights



Units:mm

CL-14SA
Dry land fountain lightCL-14SB
Pool fountain light

Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Ø 1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
14SA-109 14SB-109	ON/OFF, PWM	Single Color	9x2W CREE/OSRAM LED	10°, 24°, 36°, 60°, 10x30°, 10x60°	24VDC	18	Cool white=1292 Warm white=1101	08
14SA-309 14SB-309	ON/OFF, PWM, DMX512	RGB Full Color	9x3W RGB 3-in-1 LED	24°, 36°, 60°, 10x30°, 10x60°	24VDC	28	650	08
14SA-409 14SB-409	ON/OFF, PWM, DMX512	RGBW Full Color	9x4W RGBW 4-in-1 LED	24°, 36°, 60°, 10x30°, 10x60°	24VDC	35	948	08

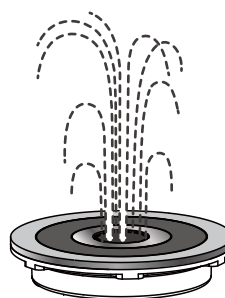
Note: please inquire separately about DMX512 control.

Material Specifications

Front Cover & Housing:	SUS 316 ⁶ Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens:	Optical lens, efficiency≥85%
LED:	Type:SMD LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Cable Gland:	IP68 PG11 Copper and Nickel Coated
Application Environment:	Temperature of water between -20°C~+40°C, less than 1 meter underwater depth
Power Cable:	H05RN-F 2x1.0mm ² , L=3m (Single) H05RN-F 4x0.75mm ² , L=3m (RGB) H05RN-F 2x1.0+3x0.5mm ² , L=3m (RGBW)
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.



Central Ejective

G(PF) 3/4"

Water jet pipe
G(PF) 3/4" taper

Please order water jet pipe separately



Dry land fountain light

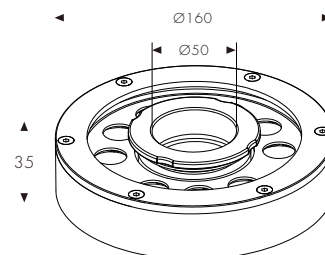


Pool fountain light

Model No.: 14JB | 18W/28W/35W | LED Fountain Light



Units:mm



Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Ø1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
14JB-109	ON/OFF, PWM	Single Color	9x2W CREE/OSRAM LED	10°, 24°, 36°, 60°, 10x30°, 10x60°	24VDC	18	Cool white=1292 Warm white=1101	08
14JB-109	ON/OFF, PWM, DMX512	RGB Full Color	9x3W RGB 3-in-1 LED	24°, 36°, 60°, 10x30°, 10x60°	24VDC	28	650	08
14JB-109	ON/OFF, PWM, DMX512	RGBW Full Color	9x4W RGBW 4-in-1 LED	24°, 36°, 60°, 10x30°, 10x60°	24VDC	35	948	08

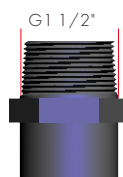
Note: please inquire separately about DMX512 control.

Material Specifications

Front Cover & Housing:	SUS 304 Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens:	Optical lens, efficiency≥85%
LED:	Type:SMD LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Cable Gland:	IP68 PG11 Copper and Nickel Coated
Application Environment:	Temperature of water between -20°C~+40°C, less than 1 meter underwater depth
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

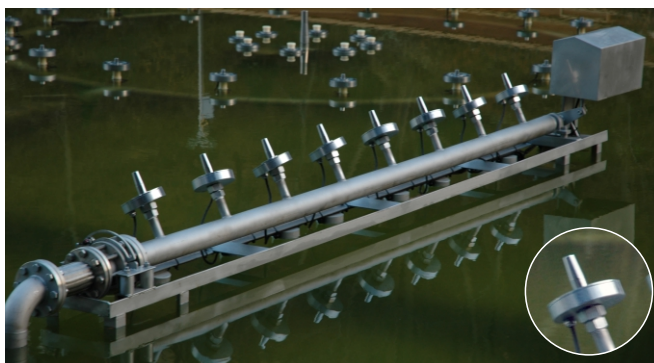
- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.



Water jet pipe
G1 1/2" taper



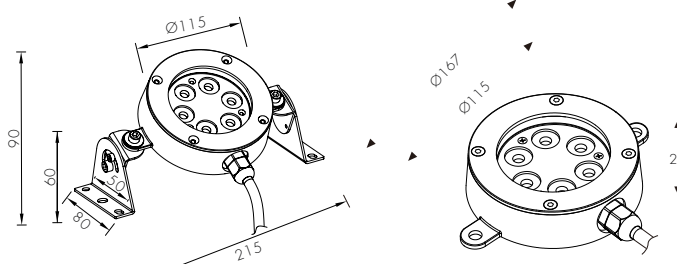
Please order water jet pipe separately



Model No.: 14BS | 12W/18W/24W | Surface Mount LED Underwater Light



Units:mm



Optional accessory | Item No.: 15BS-A1:
stainless steel adjustable bracket (please inquire us separately)

Standard Version

Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Ø 1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
14BS-106	ON/OFF, PWM	Single Color	6x2W CREE/OSRAM LED	10°, 24°, 36°, 60°, 10x30°, 10x60°	24VDC	12	Cool white=864 Warm white=717	08
14BS-306	ON/OFF, PWM, DMX512	RGB Full Color	6x3W RGB 3-in-1 LED	24°, 36°, 60°, 10x30°, 10x60°	24VDC	18	650	08
14BS-406	ON/OFF, PWM, DMX512	RGBW Full Color	6x4W RGBW 4-in-1 LED	24°, 36°, 60°, 10x30°, 10x60°	24VDC	24	948	08

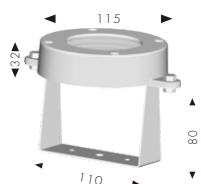
Note: please inquire separately about DMX512 control.

Material Specifications

Front Cover & Housing:	SUS 316* Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens:	Optical lens, efficiency≥85%
LED:	Type:SMD LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Cable Gland:	IP68 PG11 Copper and Nickel Coated
Application Environment:	Temperature of water between -20°C~+40°C, less than 1 meter underwater depth
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

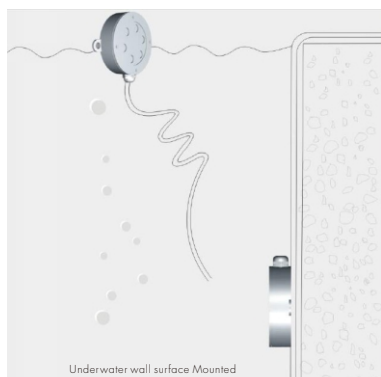
- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.



Optional accessory:
Item No: 15BS-A2 stainless steel fixed bracket



Use the Silicone with good stickiness and thermal effect for reach the purpose of radiating and prevent moisture.



UNDERWATER SPOT LIGHTS



IP68 LED UNDERWATER SPOT LIGHTS



High Power LEDs+ Optical Lens



COB LED+Reflector

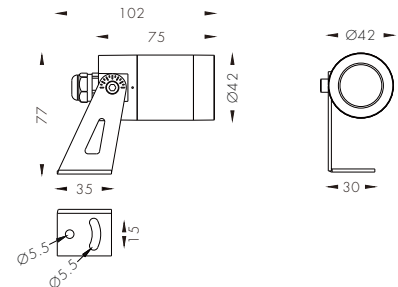


COB LED +Optical Lens

Model No.: 15BA | 3W(Mono/RGB)/4W(RGBW)



Units:mm



Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Ø1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
15BA-101	ON/OFF, PWM	2700~6500K	1x4W CREE COB LED	15°, 24°, 36°, 55°	12/24VDC	4.5W	Cool white=300 Warm white=249	08
15BA-101	ON/OFF, PWM	Single Color	1x3W CREE/Osram LED	10°, 25°, 40°, 60°, 80°, 10x45°, 25x45°	12/24VDC	3.2W	Cool white=225 Warm white=190	08
15BA-301	ON/OFF, PWM	RGB Full Color	1x3W RGB 3-in-1 LED	25°, 40°, 60°	12/24VDC	3.2W	73	08
15BA-401	ON/OFF, PWM	RGBW Full Color	1x4W RGBW 4-in-1 LED	25°, 40°, 60°	12/24VDC	4.5W	112	08

Note: Please inquire separately about DMX512 control.

Material Specifications

Front Cover&Housing:	Molding Shape SUS 316* Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens:	Optical lens, efficiency≥85%
LED:	Type:SMD LED or COB LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Application Environment:	Temperature of water between -20°C~+40°C, less than 1 meter underwater depth
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Bracket (included)	SUS 316* Stainless Steel
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.



Back View

Optional Accessories



Honeycomb Louve 15BA-A2

For models with optics>30°. Built-in anti-glare accessory for improved visual comfort



High Power LED+Optical Lens



COB LED+Optical Lens

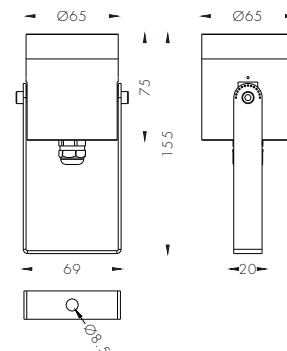


COB LED+Reflector

Model No.: 15BB | 6.5W(Mono)/9W(RGB)/11W(RGBW)



Units:mm



Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Θ1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (lm)	IK Rate
15BB-101	ON/OFF, PWM	2700~6500K	1x6W CREE COB LED	15°, 24°, 36°, 55°	12/24VDC	6.5W	Cool white=642 Warm white=533	08
15BB-103	ON/OFF, PWM	Single Color	3x3W CREE/Osram LED	10°, 25°, 40°, 60°, 80°, 10x45°, 25x45°	12/24VDC	6.5W	Cool white=468 Warm white=388	08
15BB-303	ON/OFF, PWM	RGB Full Color	3x2.5W RGB 3-in-1 LED	25°, 40°, 60°	12/24VDC	9W	222	08
15BB-403	ON/OFF, PWM	RGBW Full Color	3x3.5W RGBW 4-in-1 LED	25°, 40°, 60°	12/24VDC	11W	286	08

Note: Please inquire separately about DMX512 control.

Material Specifications

Front Cover&Housing:	Molding Shape SUS 316# Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens	Optical lens, efficiency≥85%
LED:	Type:SMD LED or COB LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Application Environment:	Temperature of water between -20°C~+40°C, less than 1 meter underwater depth
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Bracket (included)	SUS 316# Stainless Steel
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

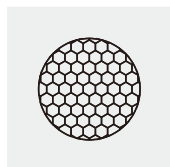
Warning:

- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.



Back View

Optional Accessories



Honeycomb Louve 15BB-A2

For models with optics>30°.
Built-in anti-glare accessory for improved visual comfort



High Power LED+Optical Lens



COB LED+Optical Lens

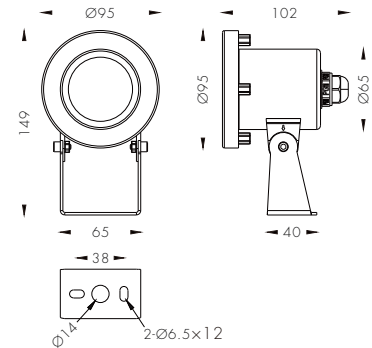


COB LED+Reflector

Model No.: 15BC | 6.5W(Mono)/9W(RGB)/11W(RGBW)



Units:mm



Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Θ1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
15BC-101	ON/OFF, PWM	2700~6500K	1x6W CREE COB LED	15°, 24°, 36°, 55°	12/24VDC	6.5W	Cool white=642 Warm white=533	08
15BC-103	ON/OFF, PWM	Single Color	3x3W CREE/Osram LED	10°, 25°, 40°, 60°, 80°, 10x45°, 25x45°	12/24VDC	6.5W	Cool white=468 Warm white=388	08
15BC-303	ON/OFF, PWM, DMX512	RGB Full Color	3x2.5W RGB 3-in-1 LED	25°, 40°, 60°	12/24VDC	9W	222	08
15BC-403	ON/OFF, PWM, DMX512	RGBW Full Color	3x3.5W RGBW 4-in-1 LED	25°, 40°, 60°	12/24VDC	11W	286	08

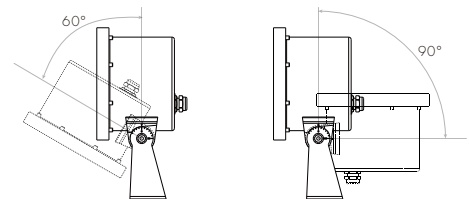
Material Specifications

Front Cover&Housing:	Molding Shape SUS 316 [#] Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens	Optical lens, efficiency≥85%
LED:	Type:SMD LED or COB LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Application Environment:	Temperature of water between -20°C~+40°C, less than 1meter underwater depth
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Bracket (included)	SUS 316 [#] Stainless Steel
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.

Adjustable Beam Direction



Optional Accessories



Tripod 15BC-A1
SUS 316 stainless steel tripod



High Power LED+Optical Lens



COB LED+Optical Lens

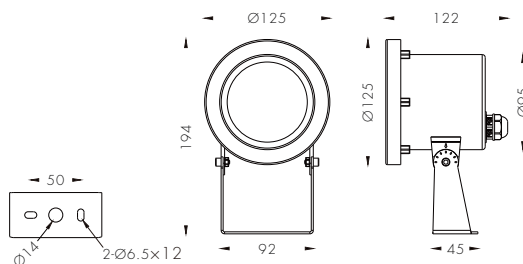


COB LED+Reflector

Model No.: 15BD | 15W(Mono) /18W(RGB)/25W(RGBW)



Units:mm



Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Θ 1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (lm)	IK Rate
15BD-101	ON/OFF, PWM	2700~6500K	1x15W CREE COB LED	15°, 24°, 36°, 55°	24VDC	15W	Cool white=1273 Warm white=1058	08
15BD-106	ON/OFF, PWM	Single Color	6x2.5W CREE/Osram LED	10°, 25°, 40°, 60°, 80°, 10x45°, 25x45°	12/24VDC	14.6W	Cool white=907 Warm white=752	08
15BD-306	ON/OFF, PWM, DMX512	RGB Full Color	6x3W RGB 3-in-1 LED	25°, 40°, 60°	12/24VDC	18.6W	465	08
15BD-406	ON/OFF, PWM, DMX512	RGBW Full Color	6x4W RGBW 4-in-1 LED	25°, 40°, 60°	12/24VDC	25W	721	08

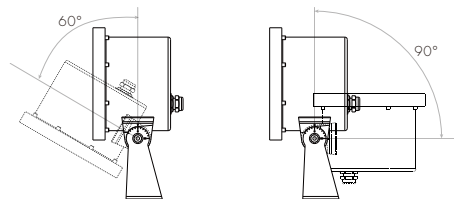
Material Specifications

Front Cover&Housing:	Molding Shape SUS 316 [#] Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens	Optical lens, efficiency≥85%
LED:	Type:SMD LED or COB LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Application Environment:	Temperature of water between -20°C~+40°C, less than 1meter underwater depth
Power Cable:	H05RN-F 2x1.0mm ² , L=3m (Single) H05RN-F 4x0.75mm ² , L=3m (RGB) H05RN-F 2x1.0+3x0.5mm ² , L=3m (RGBW)
Bracket (included)	SUS 316 [#] Stainless Steel
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.

Adjustable Beam Direction



Optional Accessories



Tripod 15BDA1

SUS 316 stainless steel tripod



High Power LED+Optical Lens



COB LED+Optical Lens

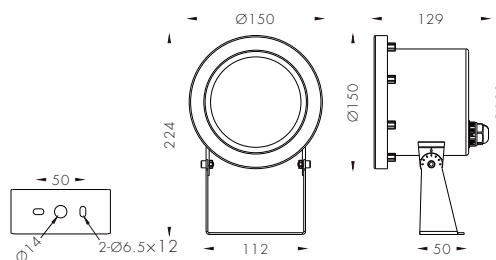


COB LED+Reflector

Model No.: 15BE | 25W(Mono)/36W(RGB)/46W(RGBW)



Units:mm



Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Ø1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
15BE-101	ON/OFF, PWM	2700~6500K	1x25W CREE COB LED	15°, 24°, 36°, 55°	12/24VDC	25W	Cool white=2125 Warm white=1763	08
15BE-112	ON/OFF, PWM	Single Color	12x2.5W CREE/Osram LED	10°, 25°, 40°, 60°, 80°, 10x45°, 25x45°	12/24VDC	30W	Cool white=2260 Warm white=1836	08
15BE-312	ON/OFF, PWM, DMX512	RGB Full Color	12x3W RGB 3-in-1 LED	25°, 40°, 60°	12/24VDC	32W	890	08
15BE-412	ON/OFF, PWM, DMX512	RGBW Full Color	12x4W RGBW 4-in-1 LED	25°, 40°, 60°	12/24VDC	42W	1362	08

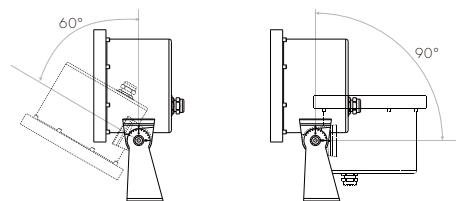
Material Specifications

Front Cover&Housing:	Molding Shape SUS 316# Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens	Optical lens, efficiency≥85%
LED:	Type:SMD LED or COB LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Application Environment:	Temperature of water between -20°C~+40°C, less than 1meter underwater depth
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Bracket (included)	SUS 316# Stainless Steel
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.

Adjustable Beam Direction



Optional Accessories



Tripod 15BE-A1
SUS 316 stainless steel tripod



High Power LED+Optical Lens



COB LED+Optical Lens

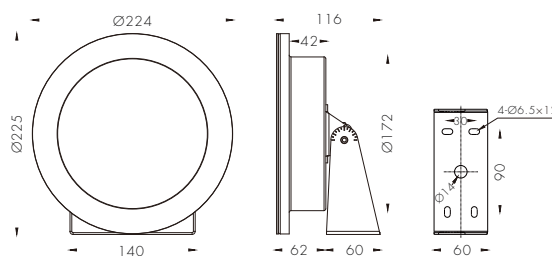


COB LED+Reflector

Model No.: 15BF | 38W/45W(Mono) /48W(RGB)/64W(RGBW)



Units:mm



Technical Specifications

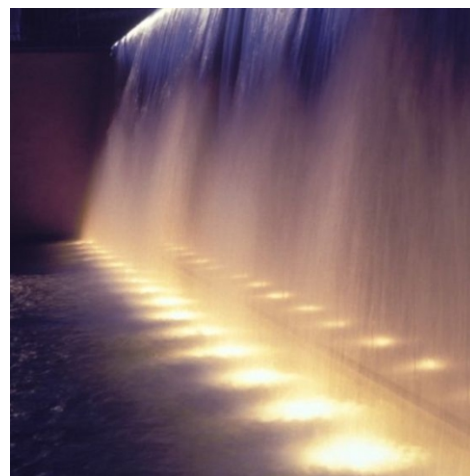
Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) ($\varnothing 1/2$)	Input Voltage (V)	Typical Power (W) $\pm 3\%$	Typical Luminance (LM)	IK Rate
15BF-101	ON/OFF, PWM	2700~6500K	1x45W CREE COB LED	15°, 24°, 36°, 55°	12/24VDC	42W	Cool white=3862 Warm white=3312	08
15BF-112	ON/OFF, PWM	Single Color	18x2.5W CREE/Osram LED	10°, 25°, 40°, 60°, 80°, 10x45°, 25x45°	12/24VDC	38W	Cool white=2750 Warm white=2271	08
15BF-312	ON/OFF, PWM, DMX512	RGB Full Color	18x2.5W RGB 3-in-1 LED	25°, 40°, 60°	12/24VDC	48W	1262	08
15BF-412	ON/OFF, PWM, DMX512	RGBW Full Color	18x3.5W RGBW 4-in-1 LED	25°, 40°, 60°	12/24VDC	64W	2640	08

Material Specifications

Front Cover&Housing:	Molding Shape SUS 316L* Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens:	Optical lens, efficiency $\geq 85\%$
LED:	Type: SMD LED or COB LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Application Environment:	Temperature of water between -20°C~+40°C, less than 1 meter underwater depth
Power Cable:	H05RN-F 2x1.0mm ² , L=3m (Single) H05RN-F 4x0.75mm ² , L=3m (RGB) H05RN-F 2x1.0+3x0.5mm ² , L=3m (RGBW)
Bracket (included)	SUS 316* Stainless Steel
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

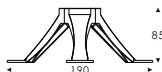
- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.



Optional Accessories



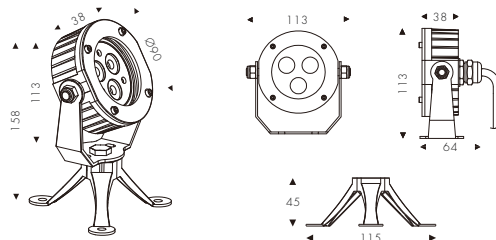
Tripod 15BFA1
SUS 316 stainless steel tripod



Model No.: 15AB | 6W(Mono)/9W(RGB)/12W(RGBW)



Units:mm



Optional accessory: Tripod

Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Ø1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (lm)	IK Rate
15AB-101	ON/OFF, PWM	2700~6500K	1x6W CREE COB LED	15°, 24°, 36°, 55°	12/24VDC	6.5W	Cool white=487 Warm white=405	08
15AB-103	ON/OFF, PWM	Single Color	3x2W CREE/Osram LED	15°, 30°, 40°, 60°	12/24VDC	6.3W	Cool white=389 Warm white=322	08
15AB-303	ON/OFF, PWM, DMX512	RGB Full Color	3x3W RGB 3-in-1 LED	25°, 40°, 60°	12/24VDC	9W	198	08
15AB-403	ON/OFF, PWM, DMX512	RGBW Full Color	3x3.5W RGBW 4-in-1 LED	25°, 40°, 60°	12/24VDC	12W	365	08

Material Specifications

Front Cover&Housing:	Molding Shape SUS 316 [#] Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens	Optical lens, efficiency≥85%
LED:	Type:SMD LED or COB LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Application Environment:	Temperature of water between -20°C~+40°C, less than 1meter underwater depth
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Tripod (optional)	SUS 316 [#] Stainless Steel
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.



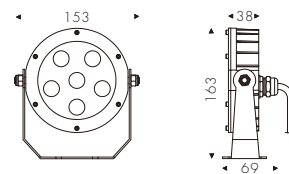
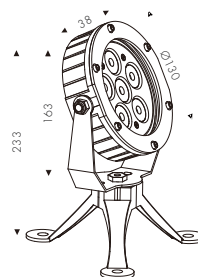
Use the Silicone with good stickiness and thermal effect for reach the purpose of radiating and prevent moisture.



Model No.: 15AC | 13W(Mono) /18W(RGB)/25W(RGBW)



Units:mm



Optional accessory: Tripod

Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Θ1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (lm)	IK Rate
15AC-106	ON/OFF, PWM	Single Color	6x2W CREE/Osram LED	15°, 30°, 40°, 60°	24VDC	13W	Cool white=816 Warm white=673	08
15AC-306	ON/OFF, PWM, DMX512	RGB Full Color	6x3W RGB 3-in-1 LED	25°, 40°, 60°	24VDC	18W	360	08
15AC-406	ON/OFF, PWM, DMX512	RGBW Full Color	6x4W RGBW 4-in-1 LED	25°, 40°, 60°	24VDC	25W	680	08

Note: The underwater spotlight with 9pcs×1.5W single color LEDs, or 9pcs×2W RGB 3-in-1 LEDs are available, please inquire us separately

Material Specifications

Front Cover&Housing:	Molding Shape SUS 316# Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens:	Optical lens, efficiency≥85%
LED:	Type:SMD LED or COB LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Application Environment:	Temperature of water between -20°C~+40°C, less than 1 meter underwater depth
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Tripod (optional)	SUS 316# Stainless Steel
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.



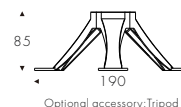
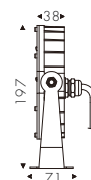
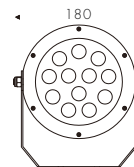
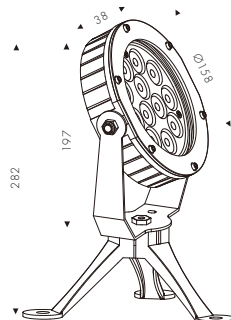
Use the Silicone with good stickiness and thermal effect for reach the purpose of radiating and prevent moisture.



Model No.: 15AD | 25W(Mono)/34W(RGB)/42W(RGBW)



Units:mm



Optional accessory: Tripod

Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Θ1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
15AD-112	ON/OFF, PWM	Single Color	12x2W CREE/Osram LED	15°, 30°, 40°, 60°	24VDC	25W	Cool white=1625 Warm white=1348	08
15AD-312	ON/OFF, PWM, DMX512	RGB Full Color	12x3W RGB 3-in-1 LED	25°, 40°, 60°	24VDC	34W	695	08
15AD-412	ON/OFF, PWM, DMX512	RGBW Full Color	12x4W RGBW 4-in-1 LED	25°, 40°, 60°	24VDC	42W	1176	08

Material Specifications

Front Cover&Housing:	Molding Shape SUS 316 [#] Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens:	Optical lens, efficiency≥85%
LED:	Type:SMD LED or COB LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Application Environment:	Temperature of water between -20°C~+40°C, less than 1 meter underwater depth
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Tripod (optional)	SUS 316 [#] Stainless Steel
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.



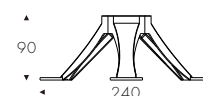
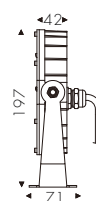
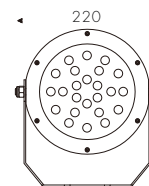
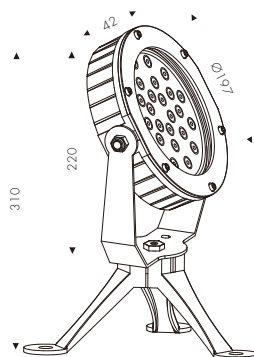
Use the Silicone with good stickiness and thermal effect for reach the purpose of radiating and prevent moisture.



Model No.: 15AE | 52W(Mono) /60W(RGB)/72W(RGBW)



Units:mm



Optional accessory: Tripod

Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Θ1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (lm)	IK Rate
15AE-124	ON/OFF, PWM	Single Color	24x2W CREE/Osram LED	15°, 30°, 40°, 60°	24VDC	52W	Cool white=3380 Warm white=2805	08
15AE-324	ON/OFF, PWM, DMX512	RGB Full Color	24x3W RGB 3-in-1 LED	25°, 40°, 60°	24VDC	60W	1500	08
15AE-424	ON/OFF, PWM, DMX512	RGBW Full Color	24x4W RGBW 4-in-1 LED	25°, 40°, 60°	24VDC	72W	2377	08

Note: Small order quantity is NOT available for this model.

Material Specifications

Front Cover&Housing:	Molding Shape SUS 316# Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens:	Optical lens, efficiency≥85%
LED:	Type:SMD LED or COB LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Application Environment:	Temperature of water between -20°C~+40°C, less than 1 meter underwater depth
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Tripod (optional)	SUS 316# Stainless Steel
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

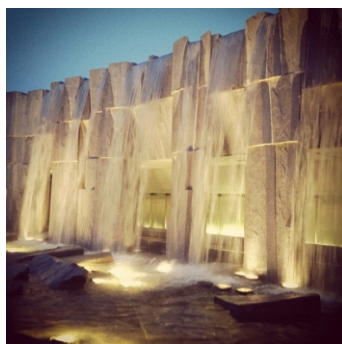
Warning:

- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.



Use the Silicone with good stickiness and thermal effect for reach the purpose of radiating and prevent moisture.

Power input



Back View



CL-15AB
Power input



CL-15AB/05AC/15AD
Power input

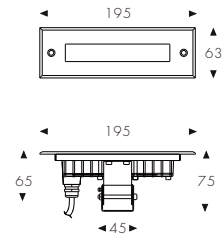


CL-15AB/15AC/15AD
Power input/output
(Optional)

Model No.: 15FL | 6W/9W/12W | Underwater Linear Light c/w Bracket



Units:mm



Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Θ1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (lm)	IK Rate
15FL-103	ON/OFF, PWM	Single Color	3x2W CREE/OSRAM LED	10°, 24°, 36°, 60°	24VDC	6	Cool white=432 Warm white=358	08
15FL-103	ON/OFF	Single Color	3x2W CREE/OSRAM LED	Asymmetrical 45°/35°	24VDC	6	Cool white=432 Warm white=358	08
15FL-303	ON/OFF, PWM	RGB Full Color	3x3W RGB 3-in-1 LED	24°, 36°, 60°	24VDC	9	188	08
15FL-403	ON/OFF, PWM	RGBW Full Color	3x4W RGBW 4-in-1 LED	24°, 36°, 60°	24VDC	12	275	08

Material Specifications

Front Cover:	SUS 316L* Stainless Steel
Housing:	Molding Shape SUS 316* Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens:	Optical lens, efficiency≥85%
LED:	Type:SMD LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Application Environment:	Temperature of water between -20°C~+40°C, less than 1 meter underwater depth
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Bracket (included)	SUS 304 Stainless Steel
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 1.5 minutes (cooling) due to the bad thermal conductivity of stainless steel.



Angle adjustable
Stainless Steel Bracket



Adjustable angle 1



Adjustable angle 2



Adjustable angle 3

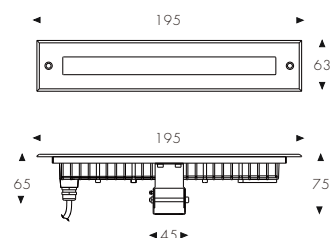


We utilize high viscosity silicon to completely seal all electronics and optical components

Model No.: 15SL | 12W/15W/22W | Underwater Linear Light c/w Bracket



Units:mm



Electrical Specifications

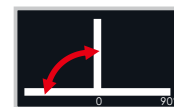
Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Θ1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
15SL-106	ON/OFF, PWM	Single Color	6x2W CREE/OSRAM LED	10°, 24°, 36°, 60°	24VDC	12	Cool white=801 Warm white=675	08
15SL-106	ON/OFF	Single Color	6x2W CREE/OSRAM LED	Asymmetrical 45°/35°	24VDC	12	Cool white=801 Warm white=675	08
15SL-306	ON/OFF, PWM	RGB Full Color	6x2.5W RGB 3-in-1 LED	24°, 36°, 60°	24VDC	15	368	08
15SL-406	ON/OFF, PWM	RGBW Full Color	6x3.5W RGBW 4-in-1 LED	24°, 36°, 60°	24VDC	22	583	08

Material Specifications

Front Cover:	SUS 316L* Stainless Steel
Housing	Molding Shape SUS 316* Stainless Steel
Light Window:	Tempered Glass, T=8mm
Lens	Optical lens, efficiency≥85%
LED:	Type:SMD LED; Brands: Osram, Cree and etc.
Driver:	Integral Driver with Constant Current Output, Constant voltage DC12/24V input
Application Environment:	Temperature of water between -20°C~+40°C, less than 1 meter underwater depth
Power Cable:	H05RN-F 2x1.0mm², L=3m (Single) H05RN-F 4x0.75mm², L=3m (RGB) H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW)
Bracket (included)	SUS 304 Stainless Steel
Control Support (Optional)	ON/OFF, Optional PWM, DALI, 0/1-10V, DMX512, TRIAC

Warning:

- Must be installed underwater to prevent the light from burning up because of over-heating.
- Can not be operated out of water for over 15 minutes (cooling) due to the bad thermal conductivity of stainless steel.

Angle adjustable
Stainless Steel Bracket

Adjustable angle 1



Adjustable angle 2



Adjustable angle 3



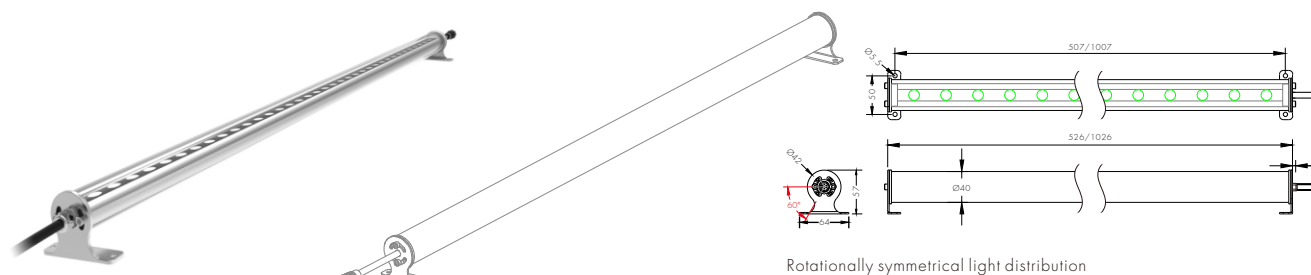
We utilize high viscosity silicon to completely seal all electronics and optical components



Model No.: 15RA | 12W/24W | Underwater Linear Light (Clear Diffuser)



Units:mm



Technical Specifications

Item Number	Length (mm)	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Θ1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (lm)	IK Rate
15RA-112	526	ON/OFF, DMX512	Single Color	12x1W CREE/OSRAM/LUMILEDS LED	10°, 25°, 30°, 45°, 60°	24VDC	12W	Cool white=1260 Warm white=1046	08
15RA-124	1026	ON/OFF, DMX512	Single Color	24x1W CREE/OSRAM/LUMILEDS LED	10°, 25°, 30°, 45°, 60°	24VDC	24W	Cool white=2502 Warm white=2091	08
15RA-412	526	ON/OFF, DMX512	RGBW Full Color	12x1~2W RGBW 4-in-1 LED	25°, 30°, 45°, 60°	24VDC	12W (max 18W)	420	08
15RA-424	1026	ON/OFF, DMX512	RGBW Full Color	24x1~2W RGBW 4-in-1 LED	25°, 30°, 45°, 60°	24VDC	24W (Max 36W)	840	08

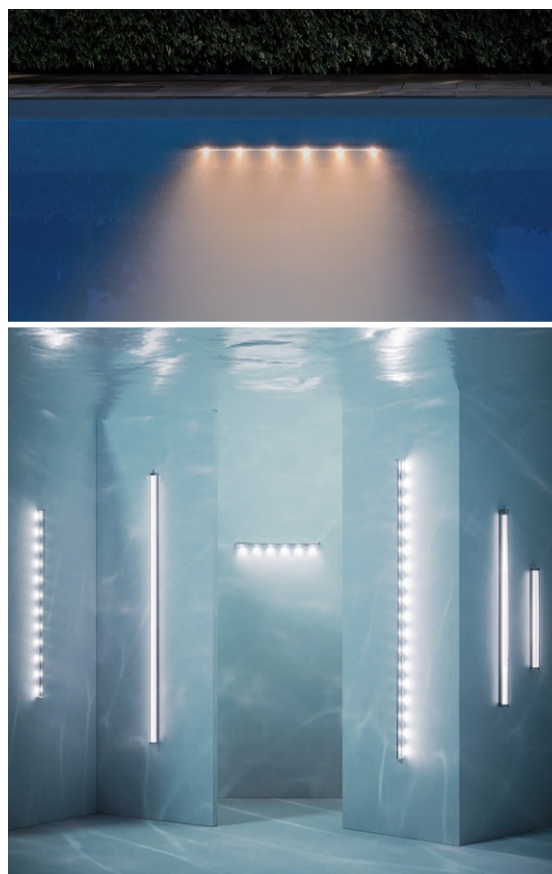
Material Specifications

Housing&Light Window:	Round Clear PMMA Tube, T=5mm
Heat Sink:	6063 Anodized Aluminum Alloy (built-in round clear PMMA tube)
Lens:	optical lens, efficiency≥85%
LED:	Type:SMD LED; Brands: Osram, Cree, Lumileds and etc.
Application Environment:	Temperature of water between -20°C~+40°C, less than 1 meter underwater depth
Power Cable	H05RN-F 2x1.0mm², L=3m (Single); H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW DMX512)
End Caps	SUS 316 Stainless Steel
Bracket (included)	SUS 316 Stainless Steel (Support adjustable/rotatable ±60°)
Control Support (Optional)	ON/OFF, DMX512

Warning:

- Must be installed underwater to prevent the light from burning up because of over-heating.

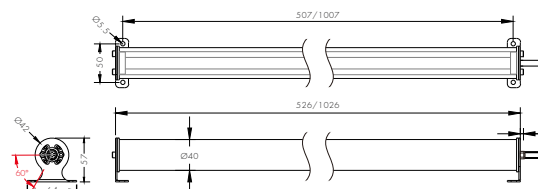
Product Diagram:



Model No.: 15RB | 12W/24W | Underwater Linear Light(Milky White Diffuser)



Units:mm



Rotationally soft light distribution

Technical Specifications

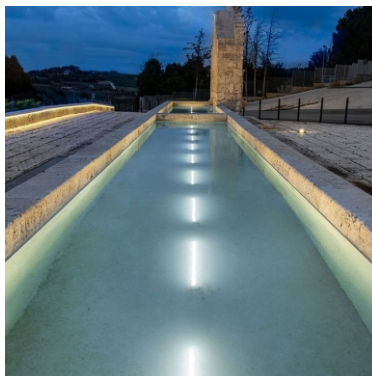
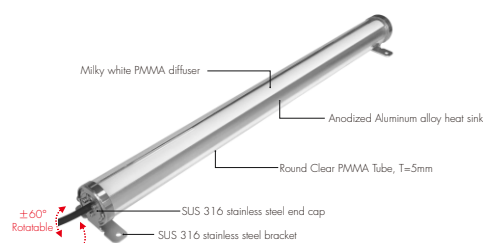
Item Number	Length (mm)	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Θ1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
15RB-130	526	ON/OFF, DMX512	Single Color	30xSMD2835 CREE/OSRAM/LUMILEDS LED	120°	24VDC	12W	Cool white=810 Warm white=688	08
15RB-130	1026	ON/OFF, DMX512	Single Color	60xSMD2835 CREE/OSRAM/LUMILEDS LED	120°	24VDC	24W	Cool white=1620 Warm white=1376	08
15RB-160	526	ON/OFF, DMX512	RGBW Full Color	30xSMD5050 RGBW 4-in-1 LED	120°	24VDC	12W (max 18W)	215	08
15RB-460	1026	ON/OFF, DMX512	RGBW Full Color	60xSMD5050 RGBW 4-in-1 LED	120°	24VDC	24W (Max 36W)	430	08

Material Specifications

Housing&Light Window:	Round Clear PMMA Tube, T=5mm
Heat Sink:	6063 Anodized Aluminum Alloy
Diffuser:	Milky White PMMA (For soft beam output)
LED:	Type:SMD LED; Brands: Osram, Cree, Lumileds and etc.
Application Environment:	Temperature of water between -20°C~+40°C, less than 1 meter underwater depth
Power Cable	H05RN-F 2x1.0mm², L=3m (Single); H05RN-F 2x1.0+3x0.5mm², L=3m (RGBW DMX512)
End Caps	SUS 316 Stainless Steel
Brackets (included)	SUS 316 Stainless Steel (Support adjustable/rotatable ±60°)
Control Support (Optional)	ON/OFF, DMX512

Warning:

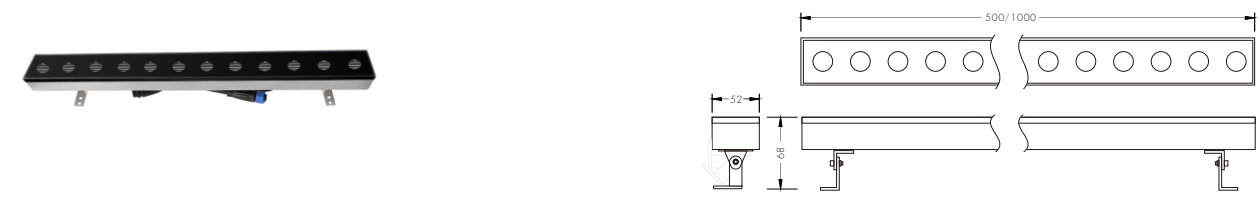
- Must be installed underwater to prevent the light from burning up because of over-heating.



Model No.: 15LB | 12W/24W | Underwater Linear Light



Units:mm



Technical Specifications

Item Number	Length (mm)	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°) (Θ1/2)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
15LB-112	500	ON/OFF, DMX512	Single Color	12×1W CREE/OSRAM/LUMILEDS LED	8°, 15°, 30°, 45°,60°, 20°×45°	24VDC	12W	Cool white=1200 Warm white=998	10
15LB-124	1000	ON/OFF, DMX512	Single Color	24×1W CREE/OSRAM/LUMILEDS LED	8°, 15°, 30°, 45°,60°, 20°×45°	24VDC	24W	Cool white=2400 Warm white=1992	10
15LB-112	500	ON/OFF, DMX512	RGBW Full Color	12×1~2W RGBW 4-in-1 LED	25°, 30°, 45°,60°, 20°×45°	24VDC	12W (max 18W)	420	10
15LB-424	1000	ON/OFF, DMX512	RGBW Full Color	24×1~2W RGBW 4-in-1 LED	25°, 30°, 45°,60°, 20°×45°	24VDC	24W (Max 36W)	832	10

Material Specifications

Housing:	SUS 316 Stainless Steel
Light Window:	Temper Glass, T=8mm
Lens:	Optical lens, efficiency 85%
LED:	Type:SMD LED; Brands: Osram, Cree, Lumileds and etc.
Application Environments:	Temperature of water between -20°C~+40°C, (1) less than 1 meter underwater depth; or (2) Slightly corrosive environments (Note: cannot be used in sea water)
Cable Gland:	P68 PG11 Copper and Nickel Coated
Power Cable	H05RN-F 2×1.0mm², L=3m (Single); H05RN-F 2×1.0+3×0.5mm², L=3m (RGBW DMX512)
Bracket (included)	SUS 316 Stainless Steel
Control Support (Optional)	ON/OFF, DMX512

Warning:
• Must be installed underwater to prevent the light from burning up because of over-heating.



SUS 316 Stainless steel LED linear light with honeycomb louvre

Optional Accessories



Honeycomb Louvre 15LB-A2

For models with optics>30°. Built-in anti-glare accessory for improved visual comfort





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