



**HG-UL-3x1W-R**

*It will easily light up your pond or waterfall at night, and give you the display that even professionals will envy.*

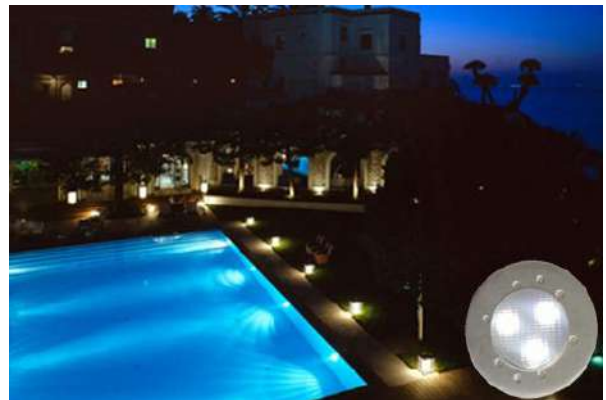


### Submersible LED Lights

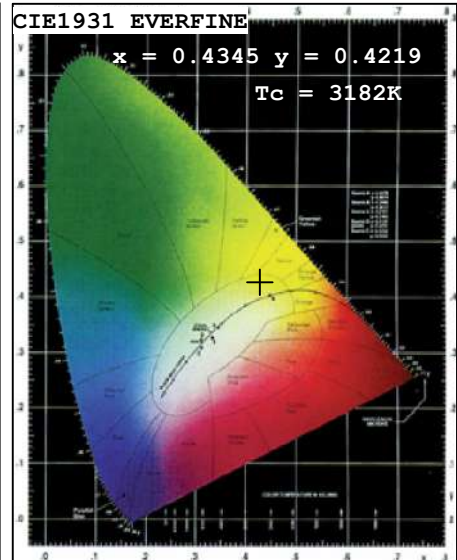
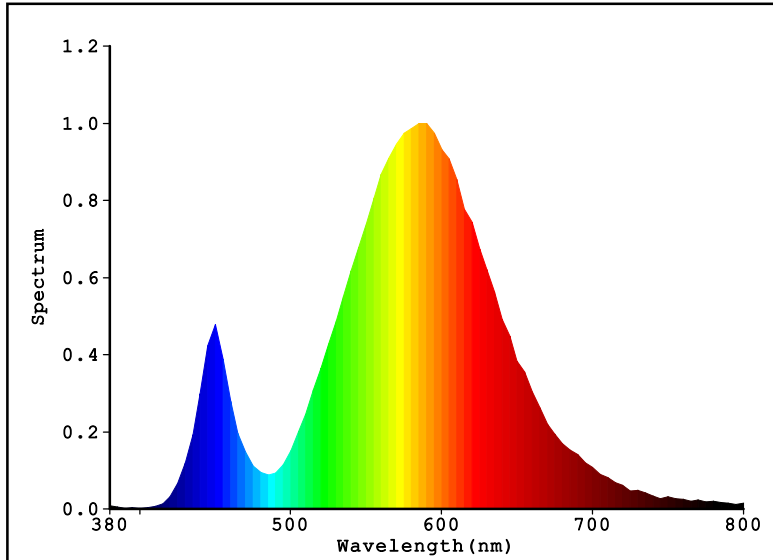
HG-UL LED lights are capable of being placed above or below the water line. This feature allows you to create lighting accents in endless combinations. The LED lights also are capable of being placed underwater exclusively, which means your fish or underwater landscape can become the focal point of your pond experience. HG-UL will easily light up your pond or waterfall at night, and give you the display that even professionals will envy.

#### Specifications

Single Color	W/R/B/G
Cable Connection	2 wires
Body Material	316 stainless steel + PC
Size	157mmDia x 104 mmH
Number of LED	3 x 1W
Input Voltage	AC/DC 12V
Watts Used	4±1 W(W/G/B) 3±1 W(R)
Power Consumption	0.3300 A
Lumens per Watt	67.95 lm/w
Max Lumens:	215.57 lm
Working Temperature	0 - 40 C
Beam Angle	30/45/60°
IP Rating	IP.68
Warranty	2 years



### Light Source Test Report



#### Color Parameters:

Chromaticity Coordinate:  $x=0.4345$   $y=0.4219$   $u'=0.2416$   $v'=0.5278$   
Tc=3182K Dominant WL:Ld=579.7nm Purity=57.1% Centroid WL:582.0nm  
Ratio:R=20.1% G=78.5% B=1.3% Peak WL:Lp=590.0nm HWL:108.4nm  
Render Index:Ra=63.5  
R1 =57 R2 =74 R3 =89 R4 =58 R5 =56 R6 =61 R7 =77  
R8 =36 R9 =-61 R10=40 R11=47 R12=26 R13=60 R14=93 R15=50

#### Photo Parameters:

Flux: 215.57 lm Fe: 0.57610 W Efficacy:67.95 lm/W  
LEVEL: WHITE:OUT

#### Electrical Parameters:

Luminaire: U=12.19V I=0.3300A P=3.172W PF=0.7885

#### Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]  
REF=10604 (R=4) %=-0.076%

Ip=27813 (G=6,D=63)  
PMT: 26.8 centigrade [27.3]

Product Type:15CA00004  
Number:P20U-3X1W-SS-3000K  
Temperature:25.3 deg  
Test Operator:  
Software:V2.00.100

Manufacturer:Heguang Lighting Co.,Ltd  
Test Department:Heguang Lighting Co.,Ltd  
Humidity:65.0%  
Test Date:2015-05-06 14:54:20  
Instrument:PMS-80\_V1 (SN:1011025)