



HG-UL-12X1W

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



Submersible LED Lights

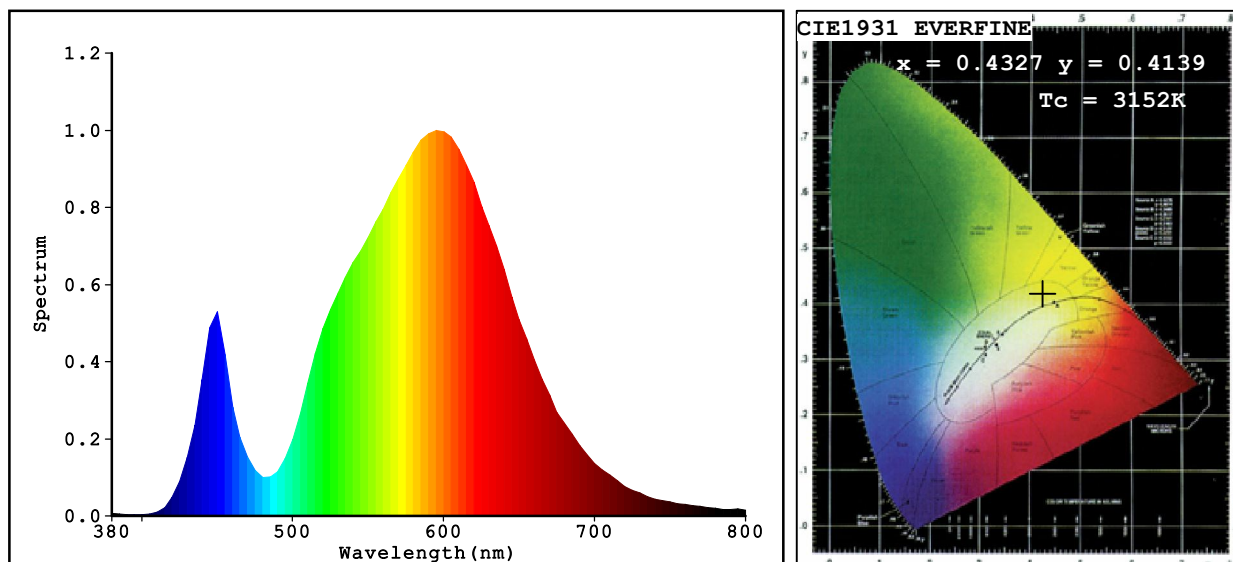
HG-UL LED lights are capable of being placed above or below the water line. This feature allows you to create lighting accents in endless combinations. The LED lights also are capable of being placed underwater exclusively, which means your fish or underwater landscape can become the focal point of your 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

Control Method	Switch control
Color:	RGB
Cable Connection	2 wires
Body Material	316 stainless steel
Size	147mmDia x 140mmH
Number of LED	12 x 1W
Input Voltage	AC/DC 12V
Watts Used	12W
Power Consumption	1.17A
Lumens per Watt	67.00 lm/w
Max Lumens:	912.09 lm
Working Temperature	0 - 40 °C
Beam Angle	15/25/30/45/60°
IP Rating	IP.68
Useful LED Life	50,000 hrs average
Warranty	2 years



Light Source Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4327$ $y=0.4139$ / $u'=0.2437$ $v'=0.5246$
 $T_c=3152K$ Dominant WL: $\lambda_d=580.7nm$ Purity=54.1% Centroid WL: $585.0nm$
Ratio: R=22.2% G=76.4% B=1.5% Peak WL: $\lambda_p=595.0nm$ HWL: $129.6nm$
Render Index: $R_a=73.4$
R1 =70 R2 =80 R3 =90 R4 =72 R5 =69 R6 =72 R7 =82
R8 =51 R9 =-21 R10=54 R11=67 R12=44 R13=72 R14=94 R15=63

Photo Parameters:

Flux: 912.09 lm Fe: 2.6049 W Efficacy: 67.00 lm/W
LEVEL: WHITE: ANSI_3000K

Electrical Parameters:

Luminaire: U=13.83V I=1.181A P=13.61W PF=0.8336

Instrument Status:

Scan Range: 380.0nm-800.0nm Interval: 5.0nm[0]
REF=46692 (R=4) %=-0.211%

$I_p=23194$ (G=5, D=55)
PMT: 29.8 centigrade [29.6]

Product Type: 水底灯
Number: HG-P38U-12X1W-3000K
Temperature: 25.3 deg
Test Operator:
Software: V2.00.100

Manufacturer: Huguang Lighting Co., LTD
Test Department: Huguang Lighting Co., LTD
Humidity: 65.0%
Test Date: 2015-04-03 17:04:32
Instrument: PMS-80_V1 (SN:1011025)