

Fixture Type

SL09 Underwater Light

Product Features

- Completely sealed and dedicated fixture
- Removable base with stabilizing arms
- Single source LED chip for greater lux control
- IP68 rated
- Corrosion and rust resistant
- Waterproof 18' wire lead









Specifications

Fixture Type: Integrated Low Voltage LED

Color Temperature: 3000K

Material: 316 Stainless Steel & Encased

Premium-Grade Acrylic

Wattage: 5W

Lumen Output: 390 lm

Operating Voltage: 9V - 15V AC

Light Source: CREE LED

Lens: Crystal Clear Lens

Beam Angle: 95.8 H \times 95.8 \vee

Color Rendering Index: 83+

TM-30 Rf: 82.9

TM-30 Rg: 95.9

Lead Wire: Waterproof 18' 18AWG

Mounting: Removable, 316 stainless steel

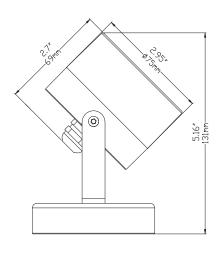
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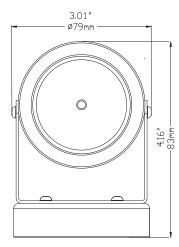
Listing: ETL

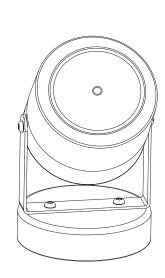
Standard: UL 676

Rating: IP68

Product Drawings









Sterling Lighting LLC SL09 Underwater Light



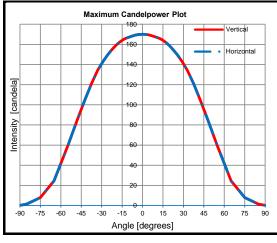
Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.7 °C	13.99 VAC	0.5443 A	4.591 W	0.603	60 Hz	124 %

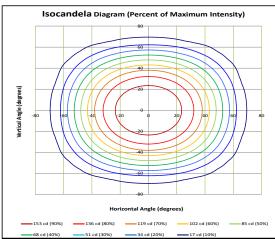
Summary of Results				
Integrating Sphere				
Total Lumen Output	386.3 lm			
Luminaire Efficacy	84.2 lm/w			
CCT	2958 K			
CRI	83.3			
Duv	-0.0013			
TM-30 Rf	82.9			
TM-30 Rg	95.9			

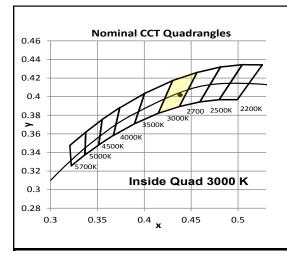
Goniophotometer				
Maximum Candela	170 cd			
Location of Max	0 H 0 V			
Total Lumen Output	375 lm			
Field Lumens	363 lm			
Beam Lumens	272 lm			
Spill Light Lumens	12 lm			
Field Angle	139.1 H X 139.1 V			
Beam Angle	95.8 H X 95.8 V			
IESNA Type	7 H X 7 V			

Color Rendering Index Details		
Ra (CRI)	83.3	
R1	82.1	
R2	91.6	
R3	96.5	
R4	80.4	
R5	81.7	
R6	89.1	
R7	83.6	
R8	61.8	
R9	14.7	
R10	79.8	
R11	78.7	
R12	70.3	
R13	84.4	
R14	98.7	

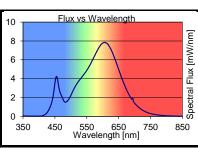
Chromaticity Coordinates		
Chromaticity (x)	0.4382	
Chromaticity (y)	0.4018	
Chromaticity (u)	0.2524	
Chromaticity (v)	0.3471	
Chromaticity (u')	0.2524	
Chromaticity (v')	0.5207	
Duv	-0.0013	







Intensity (Candlepower) Summary				
Angle	Vertical	Horizontal		
-85	1	1		
-75	8	8		
-65	25	25		
-55	59	59		
-48	86	86		
-43	104	104		
-38	121	121		
-33	134	134		
-29	143	143		
-26	150	150		
-23	155	155		
-20	159	159		
-17	162	162		
-15	164	164		
-13	166	166		
-11	167	167		
-9	168	168		
-7	168	168		
-5	169	169		
-3	170	170		
0	170	170		
3	170	170		
5	169	169		
7	168	168		
9	168	168		
11	167	167		
13	166	166		
15	164	164		
17	162	162		
20	159	159		
23	155	155		
26	150	150		
29	143	143		
33	134	134		
38	121	121		
43	104	104		
48	86	86		
55	59	59		
65	25	25		
75	8	8		
85	1	1		



Testing was performed in accordance with LM-79-08
The results contained in this summary pertain only to report #12305664.05

