

Ocean Coil O1

Overview

COIL COLLECTION



Specifications

SHADES	100% recycled ocean-bound and nearshore diverted plastic waste, such as single use plastic bottles bags to fishing nets, trawls and rope. Recovered near coastlines, beaches and waterways.	PHOTOMETRICS	Consult factory or website for IES files for performance light core, tested in accordance with IESNA LM79.
LIGHTING	<p>LED module with single light emitting source, appropriately thermally managed construction to provide optimal performance. Specifiable in 2700K-4000K in CRI>80 or CRI>90, Color accuracy within 3 SDCM.</p> <p>PoE compatible: integrates with Power over Ethernet lighting systems through standard, low voltage wires.</p> <p>Beam spreads from (10) degree spot to (21) degree wide flood available, achieved with optics that are easily changed in field. Optimized cut-off to light source for glare control and visual comfort.</p> <p>Suitable for Dry or Damp Locations, indoor use only. E26 A-Lamp Model also available.</p>	HARDWARE	TGIC-free powder coat. Adjustable hanging height. Made with RoHS compliant parts.
LUMEN MAINTENANCE	<p>Reported: L90: >55,000 hours</p> <p>Calculated: L70: >180,000 hours L80: >120,000 hours</p> <p><i>EPA TM21 calculator derived</i></p>	MOUNTING	Hung from PVC-free power cords.
		ELECTRICAL	<p>Emergency battery output: 6 watts for 90 minutes</p> <p>Maximum Mounting height: 10.5ft. Compatible with Signify Bodine sinusoidal output emergency lighting inverters. Signify Bodine inverters allow designated lighting fixtures to serve as code compliant emergency lighting sources during failure of normal AC power.</p> <p>For additional information see link: http://www.bodine.com/products/inverter.html</p>
		CERTIFICATION	CSA certified luminaire. PoE Compatible fixtures meet UL 2108.
		WARRANTY	5 year warranty on all standard components. LED system rated for operation in ambient environments up to 25°C.

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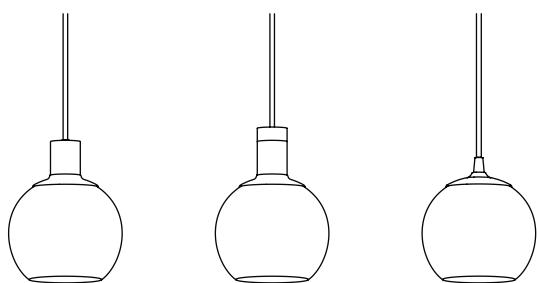
Ocean Coil 01

Fixture Options

COIL COLLECTION

SHAPES & DIMENSIONS

SMALL (6" DIAMETER)

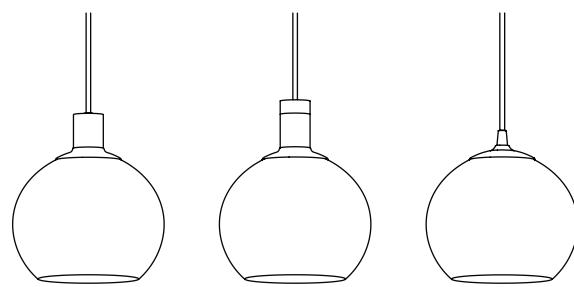


PERFORMANCE
LIGHT CORE

PERFORMANCE
LIGHT CORE &
WHITE OAK TOP

9W LED
LAMP

LARGE (7.5" DIAMETER)



PERFORMANCE
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SHADE COLOR OPTIONS

100% RECYCLED OCEAN-BOUND / NEAR-OCEAN PLASTIC



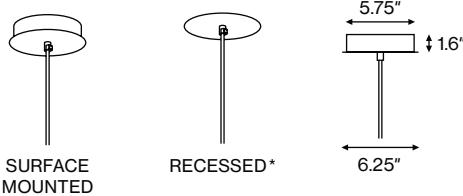
SEA FOAM

SEAGRASS

MARINA

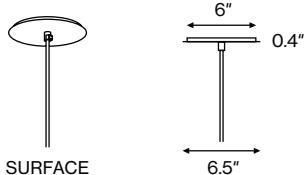
CEILING CONNECTION

STANDARD CANOPY

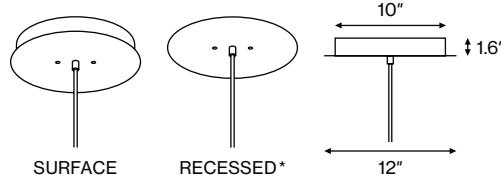


*For recessed canopy, cut 6" dia hole and recess j-box or mounting structure by 1.5"

ULTRA SHALLOW CANOPY (E26 ONLY)

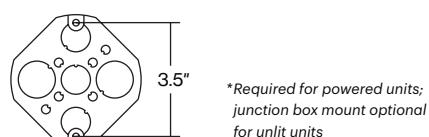


EM BATTERY OPTION ONLY



*For recessed canopy, cut 11" dia hole and recess j-box or mounting structure by 1.5"

4" OCTAGONAL JUNCTION BOX* (BY OTHERS)



*Required for powered units;
junction box mount optional
for unlit units

CANOPY / DRESS PLATE FINISH OPTIONS



BLACK/
BLACK

WHITE/
WHITE

Declare.

Ocean Coil - Performance Core
LightArt

Final Assembly: Salt Lake City, Utah, USA
Life Expectancy: 50,000 hours
End of Life Options: Salvageable/Reusable in its Entirety
EU CoC Screened: Does Not Contain

Ingredients:
Steel, Polypropylene, Aluminum, Electrical Components¹,
POLY(URIDYLIC ACID), POLY(URIDYLIC ACID),
Polymerized Nylon, POLY(ESTER RESIN) CROSS-LINKED

¹LBC Temp Exception RE-002 - Small Electrical Components

Living Building Challenge Criteria: Compliant

I-13 Red List:
1. LBC Red List Free
2. End of Life Options Approved
3. Declared

I-10 Interior Performance: Not Applicable

I-14 Responsible Sourcing: Not Applicable

TPN-007
EDITION 06 JUL 2023
SCREENED: 06 JUL 2023
Original issue Date: 2023

INTERNATIONAL LIVING FUTURE INSTITUTE™ Living Building Challenge

align **Declare** TM



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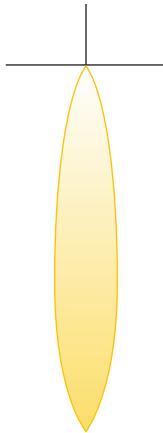
Ocean Coil O1

Lighting Details

COIL COLLECTION

LIGHT DISTRIBUTION OPTIONS

Consult factory or lightart.com for IES files, tested in accordance with IESNA LM79

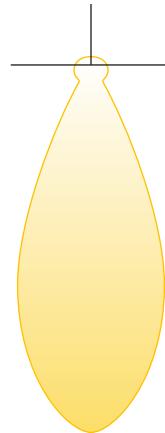


10° NARROW FLOOD

INPUT POWER: 8.9W

SPACING CRITERION: 0.38

Testing performed with
3500K / 80CRI / 675LM configuration



78° WIDE FLOOD

INPUT POWER: 10W

SPACING CRITERION: 1.10

Testing performed with
3500K / 80CRI / 675LM configuration

OPTICAL CHARACTERISTICS

Based on measurement data

BEAM ANGLE	SPACING CRITERION
NARROW FLOOD	10° 0.38
FLOOD	17° 0.56
WIDE FLOOD	21° 0.66

OUTPUT MULTIPLIERS

Based on measurement data

COLOR TEMPERATURE/CRI	MULTIPLIER
2700K / 80	0.93
2700K / 90	0.78
3000K / 80	0.97
3000K / 90	0.81
3500K / 80	1.00
3500K / 90	0.83
4000K / 80	1.01
4000K / 90	0.86
WARM DIM 1830 / 90	0.72

OPTIC	MULTIPLIER
10°	1.00
17°	0.92
21°	0.85

PERFORMANCE

Based on 3500K / 80CRI / NFL / MNA / Size configuration (HP light core)

NOMINAL LUMEN OUTPUT	DELIVERED LUMENS	INPUT POWER (W)	EFFICACY (LM/W)	POE COMPATIBILITY	OUTPUT / LED DRAW WATTAGE (for use w/ POE)
675	723	8.9	81	POE & POE+	7.3
775	809	10.1	80	POE & POE+	8.3
875	911	11.5	79	POE & POE+	9.4

OUTPUT MULTIPLIERS INSTRUCTIONS

Adjusted Value = $L_1 \times C_m \times O_m$ where:

L_1 = (Lumen output at 3500K / 80 CRI) \times
 C_m = (Color Temp. / CRI Multiplier) \times
 O_m = (Optic Multiplier)

Example:

850LM / 3000K / 80CRI / FL Configuration
 $(850) \times (0.97) \times (0.92) = 759LM$

Ocean Coil O1

Part Number Specification

COIL COLLECTION

SPECIFICATION CODE

Example: 2 QTY COL-COIL-PENO1-O1LG-MGR-927CK-875LM-NFL-LV01-PCT-STD-WPC-WH

<input type="checkbox"/> QTY.	COL-COIL-PENO1-	<input type="text"/> 1	<input type="text"/> 2	<input type="text"/> 3	<input type="text"/> 4	<input type="text"/> 5	<input type="text"/> 6	<input type="text"/> 7	<input type="text"/> 8	<input type="text"/> 9	<input type="text"/> 10
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Complete form to order Coil Pendant fixture(s). For each number, make one selection and enter in the corresponding box above.

*Indicates modified choices; additional lead times and/or costs may apply.

1 STYLE

- O1SM SMALL 6" Dia
- O1LG LARGE 7.5" Dia

2 COLOR

- MNA SEA FOAM
- MGR SEAGRASS
- MGN MARINA

3 LED CRI/CCT

<input type="checkbox"/> 827CK	80 CRI / 2700K	<input type="checkbox"/> 930CK	90 CRI / 3000K
<input type="checkbox"/> 830CK	80 CRI / 3000K	<input type="checkbox"/> 935CK	90 CRI / 3500K
<input type="checkbox"/> 835CK	80 CRI / 3500K	<input type="checkbox"/> 1830W	WARM DIMMING 90 CRI 3000K to 1800K Dimming Range
<input type="checkbox"/> 840CK	80 CRI / 4000K		
<input type="checkbox"/> 927CK	90 CRI / 2700K	<input type="checkbox"/> E26AL	E26 BASE A LAMP 120V only 550lm delivered 3000K>90CRI

4 NOMINAL DELIVERED LUMENS 700LM only available for Warm Dim

- 675LM 675 LUMEN
- 700LM 700 LUMEN Warm Dim only
- 775LM 775 LUMEN
- 875LM 875 LUMEN
- 550LM E26 BASE A LAMP 550 delivered lumens only

5 BEAM SPREAD Beam spread kits available—contact LightArt for more information

- NFL NARROW FLOOD OPTION (10°)
- FL FLOOD OPTION (17°)
- WFL WIDE FLOOD OPTION (21°)
- E26S E26 BASE A LAMP

6 DIMMING AND CONTROLS

- LV01 0-10V – 1% DIMMING 120 & 277V
- LT02 LEADING/TRAILING/TRIAC – 5% DIMMING 120v only
- LP01 ELV FORWARD/REVERSE PHASE – 1% DIMMING 120v only
- LVP LOW VOLTAGE POE No driver provided for POE. Power supply by others. Not available with E26 Base A lamp.
- EBM 0-10V 1% DIMMING INTEGRATED EM BATTERY OPTION Max Lumen output limited—consult LightArt. Not available for E26. Universal Input (Dim on 120V for TRIAC/ELV & 120/277V for 0-10V)
- E26 E26 BASE A LAMP Only compatible with 120V ELV Dimming

7 TOP COVER

- PCT POWDER COATED TOP CAP
- DOT DECORATIVE OAK TOP
Only available with Performance Light Core

8 SUSPENSION

- STD 12" – 96"
- EXT* 24" – 240"

9 CANOPY OPTIONS

- WPC WHITE
- BPC BLACK
- RWPC RECESSED WHITE
- RBPC RECESSED BLACK

10 POWER CORD Cord color dictates visible metal color

- WH WHITE
- BK BLACK

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