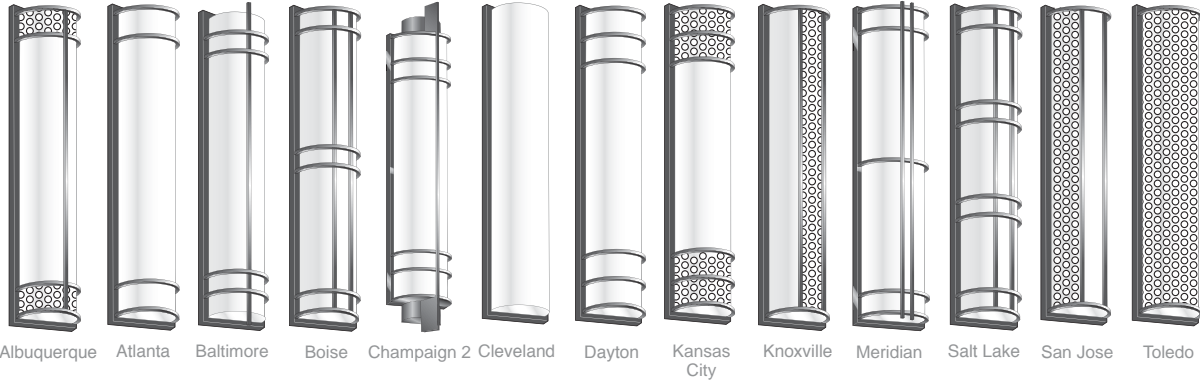


### ROUND DIFFUSER



ROUND	
Albuquerque	GO-ALB
Atlanta	GO-AL
Baltimore	GO-BAL
Boise	GO-BOI
Champaign 2	GO-CP2
Cleveland	GO-CD
Dayton	GO-DN
Kansas City	GO-KAN
Knoxville	GO-KNX
Meridian	GO-MER
Salt Lake	GO-SL
San Jose	GO-SNJ
Toledo	GO-TO

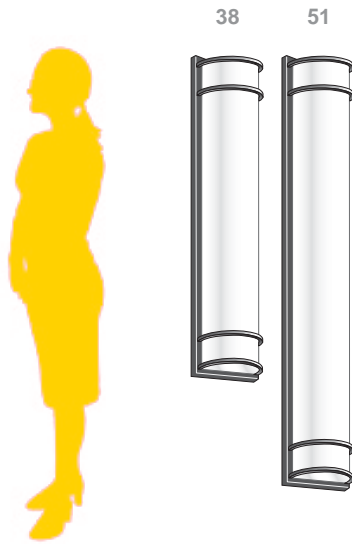
### SQUARE DIFFUSER



SQUARE	
Avalon	GO-AV
Champaign	GO-CP
Dallas	GO-DA
Dededo	GO-DDD
Greensboro	GO-GRN
Hilo	GO-HI
Nashville	GO-NSV
Pittsburgh	GO-PIT
Providence	GO-PRO
San Antonio	GO-SNA
San Diego	GO-SND

- Modular design: interchangeable diffusers and cages for rapid installation, relamping and maintenance, as well as the ability to design and build new luminaires to meet the exact needs or specifications.
- Two diffuser shapes: Round or Rectangular
- Custom Color Matching
- Customizable sconces for design flexibility. Timeless and versatile to fulfill all aesthetic and performance needs.
- Standard Energy Efficient LED (Consult factory for Other Lamping)
- Weather and vandal resistant construction — Standard.
- Considerable range in sizes to perfectly match the scale requirements of the exterior and interior setting — ADA Compliant Depth.
- Meets Buy American Act (BAA) Requirements

**GOLIATH CLASS SIZES**



GOLIATH CLASS				
SIZE	DIMENSIONS	CENTER WATTS	AVAILABLE UP/DN	UP/DN WATTS
38	8"W X 38"H x 4"D	Up to 30W*	YES	5W/10W UP 5W/10W DN
51	8"W X 51"H x 4"D	Up to 40W*	YES	5W/10W UP 5W/10W DN

\*In 5W Increments

Catalog Number	
Project Name & Location	Type



**Product Specifications**

**BACKPLATE:** 16 Ga. aluminum (AL).  
**BACKBOX:** 16 Ga. aluminum (AL) with wire access on four sides and back through 7/8" dia. KO flattened water tight (Optional for surface conduit entry or standard with emergency battery).  
**CAGE:** Square extruded aluminum bars permanently secured by hidden means to the frame. Standard configurations shown.  
**DIFFUSER:** White translucent, fully enclosed non-yellowing 100% virgin acrylic, .125 Thick (1/8"). Optional Clear (CTB) top and/or bottom — CTB is Standard with Uplight and/or Downlight. (See Page 3 for More Information)  
**DRIVER:** Universal Volt (120-277v) electronic driver with 0-10VDC dimming is standard.  
**FASTENERS:** Stainless steel tamperproof screws — (2) To secure cage/frame in place.

**FINISH:** Corrosion and Weather resistant, extremely durable pre-treated oven baked polyester powder.  
**GASKETING:** High Temp., non-aging black EPDM and/or neoprene rubber around the entire lens perimeter & rear wire entrance hole to protect against dust, moisture & outside contaminants.  
**MOUNTING:** Use (4) or (6) 5/16" diameter holes for 1/4" diameter bolts for outdoor or indoor. 7/8" KO in Center for Wire Access.  
**WALL WASH:** CTB is Standard with Uplight or/and Downlight. For wall wash patterns specify: LU (Uplight) or LD (Downlight) or LU/LD (Up and Downlight).  
**COMPLIANCE:** Built to comply with U.S. and Canadian safety standards. Meets Buy American Act (BAA) and American Disability Act (ADA) Requirements. Suitable for wet locations.

**ORDER EXAMPLES**

EX1: GO-BN-38-LED15-CT4-80CRI-UNV-BK-BLD-REMT  
 EX2: GO-DN-51-LED25-CT5-80CRI-UNV-BZ-CA51-EM20W

**STYLE**

Refer to Index Page for Model Name/Code on Page 1  
 GO-xx Standard-(xx=Style Code, ex: GO-AL)

**SIZE**

Select from Sizes: 38 / 51  
 Refer to Chart for Dimensions

**LED WATTAGE**

Refer to Chart for Size/Wattage Compatibility  
 See Page 3 for Uplight / Downlight Explanation

LEDxx LED(xx=Wattage, ex: LED30)  
 LUxx LED Uplight(xx=Wattage, ex: LU5)  
 LDxx LED Downlight(xx=Wattage, ex: LD5)

**LED COLOR TEMPERATURE (CCT)**

CT3 ±3000K LED Color Temp  
 CT35 ±3500K LED Color Temp  
 CT4 ±4000K LED Color Temp  
 CT5 ±5000K LED Color Temp

**COLOR RENDERING INDEX (CRI)**

80CRI 80 Color Rendering Index (STANDARD)  
 90CRI 90 Color Rendering Index (Not Available for 5K)

**VOLTAGE**

347 347 Volt  
 UNV 120~277 Universal Volt Electronic Driver

**STANDARD FINISH**

BK Black  
 BZ Bronze  
 PA Painted Aluminum  
 SV Silvadillo Gray  
 WHT White

**PREMIUM UPCHARGE FINISH**

CC Custom Color (Visit [www.ralcolor.com](http://www.ralcolor.com))  
 — Provide RAL# or Make-to-Match Color Chip

**INHIBITOR FINISH**

+NAT Epoxy Coating for Natatorium  
 +OFC Epoxy Coating for Ocean Front Environments

**DIFFUSER OPTIONS**

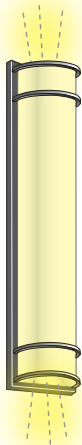
Note: See Page 3 for More Info

CB Clear Bottom  
 CT Clear Top  
 CTB Clear Top & Bottom (Standard with Up/Down Light)  
 OB Open Bottom (Indoor Only)  
 OQB Opaque Bottom (No Down Light)  
 OQT Opaque Top (No Up Light)  
 OQTB Opaque Top & Bottom (No Up/Down Light)

Additional Options on PAGE 2

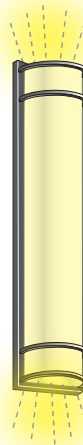
## Uplight / Downlight Explained

SCENARIO #1



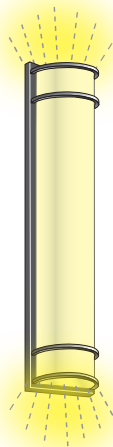
A soft glow is achieved by the natural transmission of light thru the translucent opal diffuser at the top and bottom of fixture (standard).

SCENARIO #2



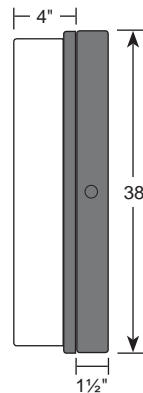
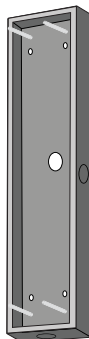
Scenario #1 is enhanced by the addition of a clear top and bottom lens (CTB) to allow more light to spill out both ends of the fixture.

SCENARIO #3



Scenario #2 is further enhanced by the addition of UP/DN light engines to focus even more light out of the top and bottom of the fixture (CTB included).

## Why the Back Box?



Backbox shown with Goliath 38 Size.

Back Box Required for:  
Photocell, Emergency Battery, Surface Mounted Conduit Applications and  
Specific LED Configurations

### PHOTOCELL OPTIONS

PHTD Photocell Button (120/277V)  
– Requires Conduit Back Box (CA)

### CONTROL OPTIONS (Choose from Manual or Sensor)

**MANUAL CONTROL** (Wall Switch or Control System)

**Note: Cannot be used with Sensor Controls Below**  
**Note: 0-10V (100-30%) Dimming is Standard**

0-10D1 0-10VDC LED Dimming Driver (100-10%)

0-10D2 0-10VDC LED Dimming Driver (100-1%)

BLS Bi-Level Switching (Includes Two Drivers)  
– Requires Conduit Back Box (CA)

OR

**SENSOR CONTROL** (Sensor Integral to Fixture)

**Note: Cannot be used with Manual Controls Above**  
**Note: Motion Sensor Max Mounting Height 18-Feet**

OCC Occupancy Sensing / Motion Sensor Integral

– Microwave / Single Feed / 120/277V Only

– Stand-by Dimming Level Presets: ON/OFF

– Requires Conduit Back Box (CA)

BLD Bi-Level Dimming - Motion Sensor Integral

– Microwave / Single Feed / 120/277V Only

– Stand-by Dimming Level Presets:

10% / 20% / 30% / 50%

– Requires Conduit Back Box (CA)

### CONDUIT ADAPTER BACK BOX OPTIONS

**Note: For Surface Conduit**

CA38 38" x 1.5" Backbox

CA38D 38" x 2.25" Backbox

CA51 51" x 1.5" Backbox

CA51D 51" x 2.25" Backbox

### MISC OPTIONS

FUS Fuse and Fuseholder

### EMERGENCY BATTERY OPTIONS

- Emergency Battery are for Center Light Only
- Meets California Energy Commission Title 20 [CEC-400-2014-009-CMF] (Cold Weather is NON-CEC)
- Cold Weather Emergency Batteries Temp Range: -20°C thru 50°C
- Max Whip Length for REM is 8ft
- Integral Emergency Battery Options  
**Requires Conduit Adapter (CA Option)**

EM4W Integral 4 Watt LED

EM8W Integral 8 Watt LED

EM10W Integral 10 Watt LED

EM16W Integral 16 Watt LED

EM10W- Integral 10 Watt LED - Cold Weather  
CW

REM4W Remote 4 Watt LED

REM8W Remote 8 Watt LED

REM10W Remote 10 Watt LED

REM16W Remote 16 Watt LED

REM10W- Remote 10 Watt LED - Cold Weather  
CW

### ACCESSORY OPTIONS (Order as a Separate Line)

REMT Remote Controller for Sensor Options

TPD Tamperproof Screwdriver