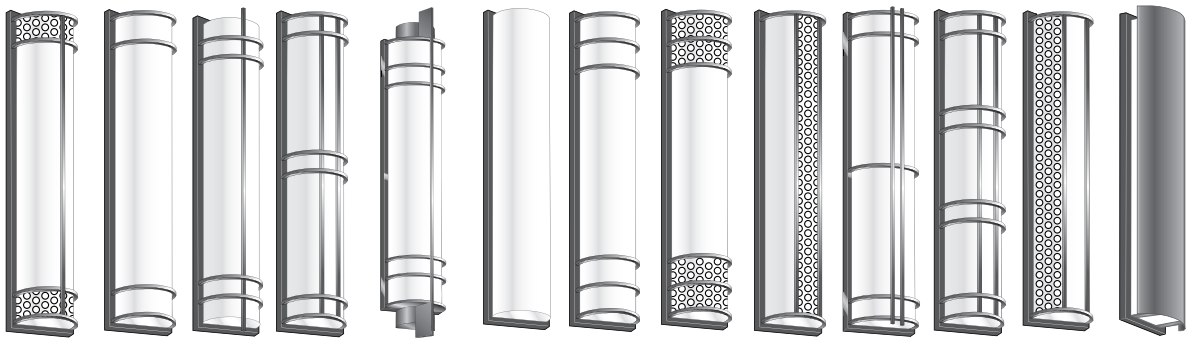
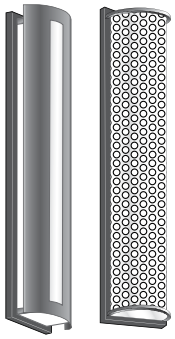
The Americana Collection
GOLIATH CLASS
Indoor/Outdoor — Wall Sconce | ADA Compliant

ROUND DIFFUSER

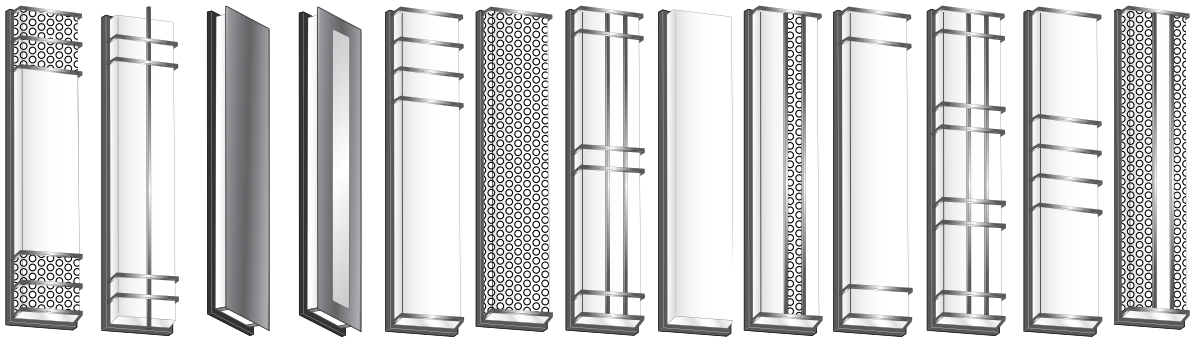


Albuquerque | Atlanta | Baltimore | Boise | Champaign 2 | Cleveland | Dayton | Kansas City | Knoxville | Meridian | Salt Lake | San Jose | Sterling A



Sterling B | Toledo

SQUARE DIFFUSER



Avalon | Champaign | Columbia A | Columbia B | Dallas | Dededo | Greensboro | Hilo | Nashville | Pittsburgh | Providence | San Antonio | San Diego

SHIELD ONLY

Richmond-HRD | Richmond-RE

- 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

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
Sterling A	GO-STA
Sterling B	GO-STB
Toledo	GO-TO
SQUARE	
Avalon	GO-AV
Champaign	GO-CP
Columbia A	GO-CLA
Columbia B	GO-CLB
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
SHIELD ONLY	
Richmond-HRD	GO-RD-HRD
Richmond-RE	GO-RD-RE

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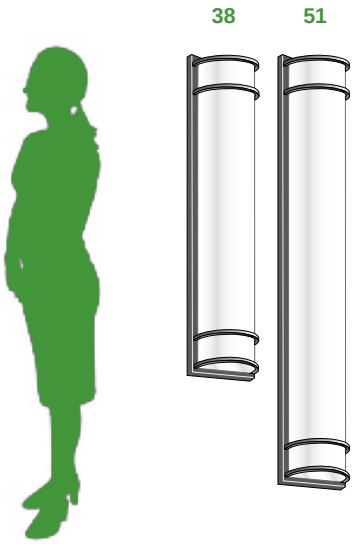
GOLIATH CLASS SIZES



GOLIATH CLASS

SIZE	DIMENSIONS	CENTER WATTS[A]	UP/DN WATTS (Round/Square Styles)	UP/DN WATTS (Shield Only Styles)
38	8"W X 38"H x 4"D	25W to 50W (In 5W Increments)	5W/10W UP[B][D] 5W/10W DN[B][D]	25W UP[C] 25W DN[C]
51	8"W X 51"H x 4"D	30W to 60W (In 5W Increments)	5W/10W UP[B][D] 5W/10W DN[B][D]	25W UP[C] 25W DN[C]

A Center LED Wattage NOT Available for Shield Only Styles: Richmond-HRD, Richmond-RE
B Conduit Adapter Back Box (CA) Required
C 25W Uplight and Downlight ONLY Available for Shield Only Styles: Richmond-HRD, Richmond-RE
D When using UP/DN LED Engines, Max Total Wattage for 38" = 50W / Max Total Wattage for 51" = 60W

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.
WARRANTY: 5-Year Limited Warranty.

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)
– Center LED NOT Available with Shield Models: Richmond-HRD, Richmond-RE
LUxx LED Uplight(xx=Wattage, ex: LU5)
– Requires Conduit Back Box (CA)
LDxx LED Downlight(xx=Wattage, ex: LD5)
– Requires Conduit Back Box (CA)

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 Silver Gray
WHT White

PREMIUM UPCHARGE FINISH
CC Custom Color (Visit 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

CAGE / DIFFUSER OPTIONS
Note: See Page 3 for More Info
ATS Aluminum Top Shield (No Up Light)
ABS Aluminum Bottom Shield (No Down Light)
ATBS Aluminum Top/Bottom Shield (No Up/Down Light)
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

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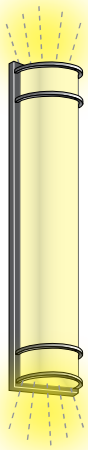
Uplight / Downlight Explained

SCENARIO #1

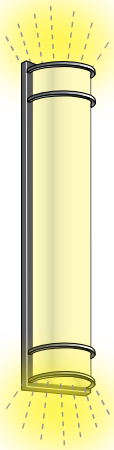
Scenario #1: A soft glow is achieved by the natural transmission of light thru the translucent opal diffuser at the top and bottom of fixture (standard).

SCENARIO #2



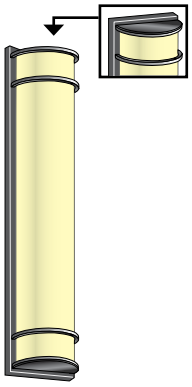
Scenario #2: Illumination from the top and bottom is enhanced by the addition of a **Clear Top/Bottom (CTB) Lens** allowing more light to spill out from both ends of the fixture.

SCENARIO #3



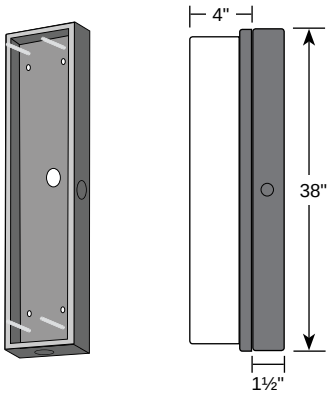
Scenario #3: The addition of ***UP/DN light engines*** to focus even more light out of the top and bottom of the fixture (CTB included).

SCENARIO #4



Scenario #4: No uplight or downlight is achieved by the addition of ***Aluminum Top/Bottom Shield (ATBS)*** or ***Opaque Top/Bottom (OQTB) Lens***.

Why the Back Box?



Backbox shown with Goliath 38 Size.

Back Box Required for:
Photocell, Emergency Battery, Generator Transfer Device (GN), 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 / 120/277 Only* *– Stand-by Dimming Level Presets: ON/OFF* *– Requires Conduit Back Box (CA)*
BLD	Bi-Level Dimming - Motion Sensor Integral *– Microwave / Single Feed / 120/277 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-CW	Integral 10 Watt LED - Cold Weather
REM4W	Remote 4 Watt LED
REM8W	Remote 8 Watt LED
REM10W	Remote 10 Watt LED
REM16W	Remote 16 Watt LED
REM10W-CW	Remote 10 Watt LED - Cold Weather

ACCESSORY OPTIONS (Order as a Separate Line)

REMT	Remote Controller for Sensor Options
TPD	Tamperproof Screwdriver

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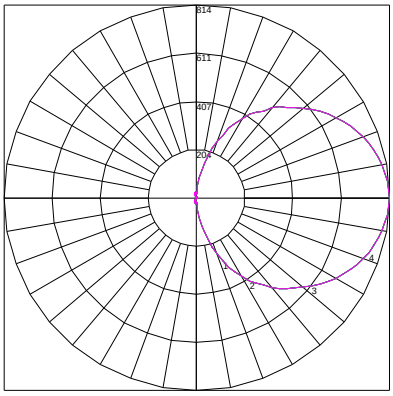
Photometric Data

Summary of Results | GO-ALB-38-LED30-CT4-80CRI-UNV-CTB					
Lumen Output	**Efficacy**	**Input Power**	**CCT**	**Distribution**	**BUG Rating**
3246.4 Lumens	104.1 Lm/W	31.2W	4000K	Type IV	B0-U5-G3

LCS Summary	
Zone	**Lumens**
Forward Low (0-30)	74.7
Forward Medium (30-60)	468.0
Forward High (60-80)	567.0
Forward Very High (80-90)	324.4
Back Low (0-30)	16.3
Back Medium (30-60)	63.3
Back High (60-80)	69.7
Back Very High (80-90)	39.8
Up Low (90-100)	364.1
Up High (100-180)	1259.1

POLAR GRAPH

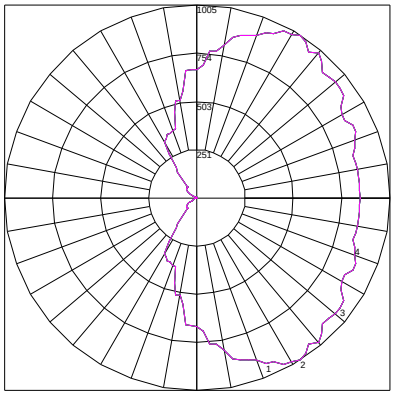


Maximum Candela = 814.2 Located At Horizontal Angle = 0, Vertical Angle = 90
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)
3 - Vertical Plane Through Horizontal Angles (0 - 180)
4 - Vertical Plane Through Horizontal Angles (0 - 180)

Summary of Results | GO-ALB-38-LED30-UP10/DN10-CT4-80CRI-UNV-CTB					
Lumen Output	**Efficacy**	**Input Power**	**CCT**	**Distribution**	**BUG Rating**
5769.2 Lumens	93.2 Lm/W	61.9W	4000K	Type IV	B1-U5-G3

LCS Summary	
Zone	**Lumens**
Forward Low (0-30)	347.1
Forward Medium (30-60)	901.7
Forward High (60-80)	653.2
Forward Very High (80-90)	340.5
Back Low (0-30)	216.1
Back Medium (30-60)	286.5
Back High (60-80)	97.2
Back Very High (80-90)	42.3
Up Low (90-100)	382.8
Up High (100-180)	2501.8

POLAR GRAPH



Maximum Candela = 1005.3 Located At Horizontal Angle = 0, Vertical Angle = 32.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)
3 - Vertical Plane Through Horizontal Angles (0 - 180)
4 - Vertical Plane Through Horizontal Angles (0 - 180)

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