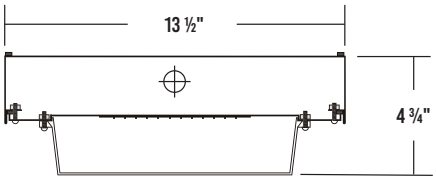
SECURITY
BCL100
WET LOCATION CANOPY LUMINAIRE

LED

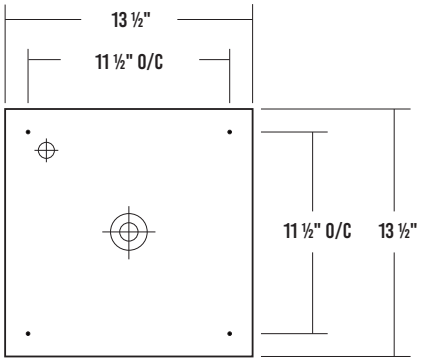
JOB	
TYPE	
DATE	

SURFACE MOUNTED

CROSS SECTION



BACKPLATE



• 3/16" MTG. K.O. ⌖ 7/8" OFFSET K.O. ⊕ 2" K.O.

SPECIFICATIONS

CONSTRUCTION
- 20 gauge electro-galvanized steel construction
- Neoprene gasketing on rear of housing
- Aluminum heat sink
- Stainless steel screws
- Two side knockouts for 1/2" conduit (knockouts on opposite sides of fixture)

FINISH
- Painted after fabrication
- Baked white powder-coated finish
- Minimum reflectance 90%

OPTICAL
- Injection-molded polycarbonate lens

ELECTRICAL
- High-efficiency drivers coupled with long-life LEDs
- Service life tested at 148,000 hours (L70), 42,000 hours (L90)
- Universal voltage 120V through 277V (347V / 480V available)
- Emergency battery pack available

LISTING
- UL USA and Canada listed / suitable for damp locations

WARRANTY
- 5-Year limited warranty standard. 10-Year limited warranty also available

APPLICATIONS
- Canopies, Covered Outdoor Areas, Stairwells, Pedestrian Tunnels

FEATURES
- 0-10V Dimming driver standard
- Wet Location (UL Listed with sprinkler test)
- Supports California Title 24 compliance

OPTIONS
- Sensors and controls
- Custom housing colors
- Tamper-proof screws
- 15" square mounting plate
- Emergency battery pack
- 10 kV surge protector
- Full 90 Degree Cutoff to prevent light leakage
- Customization available upon request

Los Angeles Lighting Mfg. Co.
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10141 Olney Street
El Monte, CA 91731
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ROHS COMPLIANT

UL CERTIFIED

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ORDERING INFORMATION

ADDITIONAL OPTIONS AVAILABLE. VISIT WWW.LALIGHTING.COM/RESOURCES FOR MORE INFORMATION

EXAMPLE: BCL100-4-1L-DRDM-UNV-1/840

SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	COLOR	MECHANICAL	CONTROLS	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT
BCL100		**1L**							**1**	
BCL100 • Wet Location Canopy Luminaire	**2** - 2000lm **3** - 3000lm **4** - 4000lm **6** - 6000lm **8** - 8000lm	**1L** • 1'	**(Blank)** • Standard White **BLK** • Matte Black **BZ** • Bronze **CS** • Camaro Silver	**TP** • Tamper-Proof Screws **DSA** • Full 90° Cutoff *Leave blank if not specified	**MSH** • Microwave Motion Sensor - On/Off **MSHSD** • Microwave Motion Sensor - High/Low **PCS/SH** • Photocell Sensor - On/Off with Light Shield **WLC(LEDRU)** • EnOcean® LED Relay Zone Controller *Leave blank if not specified	**BPL1.5** • 1500 lm emergency battery pack **SP10** • 10 kV Surge Protector *Leave blank if not specified	**DRDM** • 0-10V Dimming Driver **DRSD** • Step Dimming Driver **DR2W** • 120V 2-Wire Phase Dimming Driver (Must Specify 120V in Voltage Column)	**UNV** • 120V-277V **120V** • 120 Volt **277V** • 277 Volt **347V** • 347 Volt **480V** • 480 Volt	**1** • One LED Row	**830** • 80+CRI / 3000K **835** • 80+CRI / 3500K **840** • 80+CRI / 4000K **850** • 80+CRI / 5000K *Contact customer service for additional CRI/CCT packages, including 90 CRI*

Most common options for BCL100 shown above. For additional options, including lumen packages, controls, lenses, colors/finishes, cord & plug, switches, and more visit www.lalighting.com/resources or contact customer service.

SENSORS AND CONTROLS

HIGH FREQUENCY (MICROWAVE) MOTION SENSORS

Detects movement through low density materials, including polycarbonate, acrylic and glass diffusers.

MSH - Microwave Motion Sensor – On/Off
- Turns luminaire on/off in response to motion

MSHSD - Microwave Motion Sensor – High/Low
- Increases/decreases illumination in response to motion

PHOTOCELLS

Senses ambient light levels. Typically used to hold luminaire OFF during daytime hours.

PCS / SH - Photocell Sensor – On/Off with Light Shield
- Turns luminaire on/off in response to ambient light levels
- Includes adjustable Light Shield

WIRELESS CONTROLS

WLC(LEDRU) - EnOcean® LED Relay Zone Controller
- Pre-installed inside luminaire
- Can support a single luminaire or multiple daisy-chained luminaires

Notes

1. MSH and MSHSD sensors are installed behind the fixture lens. The PCS/SH button-style sensor is mounted on the housing. For PIR sensors or other options, contact Customer Service.
2. For microwave motion sensing with photocell, specify both sensors. For example: MSH/ PCS/SH.

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MECHANICAL OPTIONS

Pre-installed mechanical options are ordered by adding the suffix to the luminaire description:
Example: BCL100-4-1L-DSA-DRDM-UNV-1/840

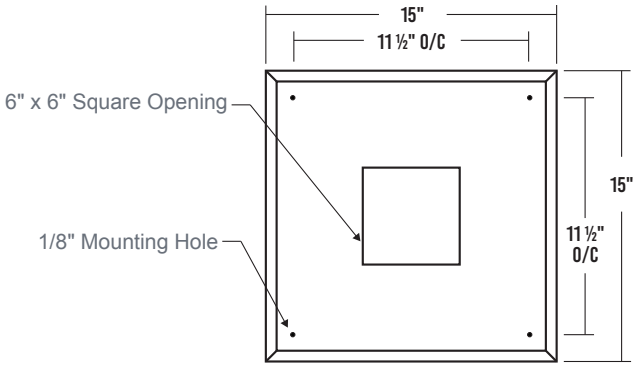
TP - Tamper-Proof Screws
- 8x hex pin stainless steel tamper-proof screws

DSA - Full 90 Degree Cutoff
- Full 90 Degree Cutoff prevents light leakage above 90 degrees from ground
- Ideal for use in sites close to residential areas and other light-sensitive locations
- 20 gauge electro-galvanized steel construction, welded to housing
- May restrict field of view of microwave sensors

MOUNTING HARDWARE

Mounting accessories are ordered separately from luminaire

MP1515 - Mounting Plate
Item Number: 650340
- Optional 15" x 15" mounting plate to cover holes or damage to ceiling
- 18 gauge electrogalvanized steel
- Includes all necessary hardware to attach luminaire to mounting plate



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SYSTEM DATA

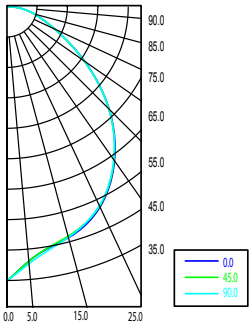
1' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	BCL100-2-1L-DRDM-UNV- 1/840	2377	17.4	136.6 lm/W	-20°C / 35°C (-4°F / 95°F)	2-13WCFL	*
3000 Lumens (Nominal)	BCL100-3-1L-DRDM-UNV-1/840	3452	24.8	139.1 lm/W	-20°C / 35°C (-4°F / 95°F)	2-26WCFL	*
4000 Lumens (Nominal)	BCL100-4-1L-DRDM-UNV-1/840	4612	32.6	141.7 lm/W	-20°C / 35°C (-4°F / 95°F)	2-32WCFL	*
6000 Lumens (Nominal)	BCL100-6-1L-DRDM-UNV-1/840	6054	48.1	125.8 lm/W	-20°C / 35°C (-4°F / 95°F)	4-26WCFL, 2-57WCFL	*
8000 Lumens (Nominal)	BCL100-8-1L-DRDM-UNV-1/840	7858	64.9	121.1 lm/W	-20°C / 35°C (-4°F / 95°F)	4-32WCFL, 2-70WCFL, 1-175W HID	*

NOTE:
System data as of 3/29/23.
Subject to change without notice.

System data is based on 120V input voltage. Actual performance may differ as a result of end-user environment and application. This fixture has been tested and listed in accordance with UL Standards. L.A. Lighting certifies that it will operate safely when installed properly, and within an ambient temperature range noted in the system data table.

Additional lumen packages and color temperatures available.

PHOTOMETRIC DATA



BCL100-2-1L-DRDM-UNV-1/840

TEST NO. = LA-T3458
LED TYPE = 6" x 6" LED MODULE
NO. OF MODULE = 1
SYSTEM WATT (W) = 18.1
CRI ≥ 80
L70(Hrs.) ≥ 50,000
PHOTOMETRY TYPE = C

ZONAL LUMEN SUMMARY

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	672	24.5	38.1
0-40	1045	42.7	59.3
0-60	1568	64.2	89.1
0-90	1761	72.1	100.0
90-120	0.3	0.0	0.0
90-150	0.0	0.0	0.0
90-180	0.0	0.0	0.0
0-180	1761	72.1	100.0

SPACING CRITERION

ALONG	ACROSS
0.79	0.78

Luminaire Output = 1761.20 lumens
Luminaire Efficacy = 138.90 lm/W
Luminaire Efficiency = 72.06%

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