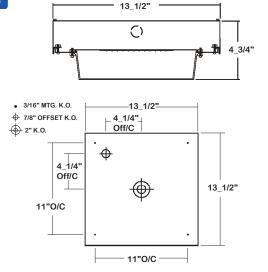




SURFACE MOUNTED SECURITY WET LOCATION LED LUMINAIRE

DIMENSIONS



APPLICATIONS

· Canopy, Educational Facilities, Corridor, Stairwell, Pedestrian Tunnel, Passageway, Vandal Resistant Areas, Wet Location, Commercial

FEATURES

- Wet location (UL listed with sprinkler test)
- 0-10V dimming driver standard
- Supports California Title 24 compliance
- · Safety cables attached to cover

OPTIONS

- Full customization available upon request
- Additional lumen packages and color temperatures available
- Controls and photocell / occupancy sensors available (See <u>SENSOR OPTIONS</u> for controls and sensors)
- Wireless control options available (See SENSOR OPTIONS for wireless controls)
- Custom colors available (See CUSTOM COLORS for standard and custom options)
- Emergency battery pack available (See BATTERY PACK OPTIONS for battery pack options)
- · Tamper proof screws available
- Pendant mounting adapter available (See ACCESSORIES for details)

SPECIFICATIONS

CONSTRUCTION

- 20 ga. electro-galvanized steel construction
- · Neoprene gasket back housing
- · Aluminum heat sink cover
- · Stainless steel fasteners
- Two side knockouts for 1/2" conduit (knockouts on opposite sides of fixture)

• Baked white powder coated finish / painted after fabrication / minimum reflectance 90%

· Polycarbonate injection molded lens standard

ELECTRICAL

- · High efficiency drivers coupled with long-life LEDs
- Service life tested at 50,000-168,000 hours (L70)
- Universal voltage 120V through 277V (347V / 480V available)
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) ≤ 20%

LISTING

· UL USA and Canada listed / suitable for wet locations

WARRANTY

· 5-year limited warranty





Please visit our website to view the most current information



ORDERING INFORMATION EXAMPLE: BCL100-1-1L-DRDM740-UNV-840

SERIES	# OF LED ROW	NOMINAL LENGTH	COLOR	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	CRI/CCT
BCL100	1	1L					UNV	
BCL100 Canopy Security Wet Location with Polycarbonate Lens LED Luminaire	1 One LED Row	1L 1'x 1'	(Blank) Standard White BLK Matte Black CS Camaro Silver BZ Statuary Bronze See CUSTOM COLORS for Options *Additional Colors Available Upon Request	TP Tamper Proof Screws SMA Pendant Mounting Adapter (Safety Cable Set Included) *Leave Blank if Not Specified Additional Mechanical Options	BPL1.5 Emergency Battery Pack, Nom. 1500 lm MSxx Motion Sensor PCS Photocell Sensor WLC(LEDRU) EnOcean Wireless Control See SENSOR OPTIONS for Options *Leave Blank if Not Specified Additional Electrical Options	DRDM740 3000 lumens system, 0-10V Dimming Driver, 740mA 1DRCDM1050 4000 lumens system, 0-10V and Step Dimming Combined Driver, 1050mA	UNV 120V-277V	840 80+CRI / 4000K Color Temp. 850 80+CRI / 5000K Color Temp. *Additional Color Temp. Available

SYSTEM DATA

THESE ARE THE MOST POPULAR LUMEN PACKAGES. PLEASE CONSULT FACTORY FOR ADDITIONAL SYSTEM DATA.

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES	
	BCL100-1-1L-DRDM740-UNV-840						*	
3000 Lumens	BCL100-1-1L-BP-DRDM740-UNV-840	3172 lm	29 W 109.4 lm/W			*		
(Nominal)	BCL100-1-1L-MSx-DRDM740-UNV-840	31/21111		109.4 1111/10	-20°C / 35°C	3-F17T8	*	
	BCL100-1-1L-MSx-BP-DRDM740-UNV-840				LA-T2207			
	BCL100-1-1DRCDM1050-UNV-840*		41 W				*	
4000 Lumens	BCL100-1-1L-BP-1DRCDM1050-UNV-840*	40.40			00.01.00			*
(Nominal)	BCL100-1-1L-MSx-1DRCDM1050-UNV-840 *	4042 lm		98.6 lm/W -20°	-20°C / 35°C	4-F17T8	*	
	BCL100-1-1L-MSx-BP-1DRCDM1050-UNV-840*						LA-T2293	

System data above is based on 120V input voltage. DLC system data* based on DLC testing parameters. 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

PERFORMANCE DATA

VIEW LIGHTING FACTS

VIEW PHOTOMETRICS











SENSOR OPTIONS

PHOTOCELL - EXTERNAL BUTTON DESIGN

PCS - Photocell Sensor

- Turns light ON/OFF based on light levels
- Fixture mounting height 8-45'
- · Universal Voltage (120V-277V)

HIGH FREQUENCY - INTERNALLY MOUNTED BEHIND FIXTURE LENS



MSH - Motion Sensor High Frequency (Microwave)

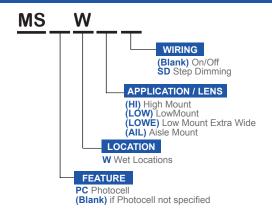
- Super high frequency motion sensor (also known as microwave sensor) which detects movement when installed behind low density fixture materials, such as polycarbonate, acrylic and glass diffusers
 • Turns light ON/OFF based on motion detection
- Fixture mounting height ~30'
- Universal Voltage (120V-277V)

MSHPC - Motion Sensor High Frequency (Microwave) with Photocell Option

- Super high frequency motion sensor (also known as microwave sensor)
 which detects movement when installed behind low density fixture materials, such as polycarbonate, acrylic and glass diffusers
- Holds lights OFF when sufficient daylight is present regardless of motion detection
- Fixture is 100% on when it detects motion and will turn off after time delay
- · Selectable sensitivity and detection area
- Fixture mounting height ~30'
- Universal Voltage (120V-277V)
- · Photocell is disabled by default

PASSIVE INFRARED - SENSOR ON ATTACHED SENSOR BOX







CONTROLS AND SENSORS

WLC(LEDRU) - EnOcean® LED Relay Zone Controller

- · Supports a single LED fixture or multiple daisy chained LED fixtures
- · Module installed inside lighting fixture

ESRPU-W-EO - EnOcean® Rocker Switch - Single - Surface Mount

- · Wireless single rocker switch with mounting plate
- · No batteries needed

ESDRPU-W-EO - EnOcean® Rocker Switch - Double - Surface Mount

- · Wireless double rocker switch with mounting plate
- · No batteries needed

S3054-N30 - EnOcean® Navigan NWC 300U - Commissioning Tool

- Navigan Wireless Commissioner is used to configure EnOcean controllers & sensors
- It can be used to define link tables, change parameters/settings, and to edit & store projects
- Configuration settings can be saved and cloned to enable quick configuration
- Connectivity is through the NWC 300U USB Stick

EOSWU-W-EO - EnOcean® Occupancy Sensor - Wall Mount

- · Wireless wall mounted occupancy sensor
- Solar powered no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with both wide angle (50') and long range (100') options
- · Mounting height: 6-8 feet

EOSCU-W-EO - EnOcean® Occupancy Sensor - Ceiling Mount

- · Wireless ceiling mounted occupancy sensor
- Solar powered no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with 360 degree viewing angle lens (34' diameter)
- · Mounting height: 7-10 feet

ELLSU-W-EO - EnOcean® Light Level Sensor - Ceiling Mount • Light Level sensor that measures and reports the level of available natural light

- Solar powered no batteries needed (coin battery operated in low light conditions)
- · Enables implementation of daylight harvesting control systems
- Mounting position: At the ceiling, close to ambient light source



Headquarters 10141 Olney Street El Monte, CA 91731 Made in the USA

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BATTERY PACK OPTIONS

PLEASE CONSULT FACTORY TO SEE IF YOUR SELECTED BATTERY PACK OPTION WORKS WITH THIS FIXTURE.

BPL

LUMEN PACKAGE

- 0.7 Nominal 750 Lumens
- 1.5 Nominal 1500 Lumens
- 3.0 Nominal 3000 Lumens

*Additional lumen packages available

TYPE

(Blank) Normal Ambient Temp. / Standard Operation

- C Cold Environment (-20°C)
- F With Flex for Remote Mounting
- SL Slim Casing
- ST Self Test / Diagnostic

*Additional options available

ACCESSORIES

SMA

- Pendant Mounting Adapter
- 20 ga. die formed galvanized steel construction
- Die cast aluminum hub for 3/4" pipe pre-installed
- Designed for single point pendant mount applications
- Negates wet location listing

Note: Must request pre-punched holes from factory.



CUSTOM COLORS

BLK - Matte Black

CS - Camaro Silver

BZ - Statuary Bronze

Variety of RAL colors & Axalta/DuPont colors available upon request.

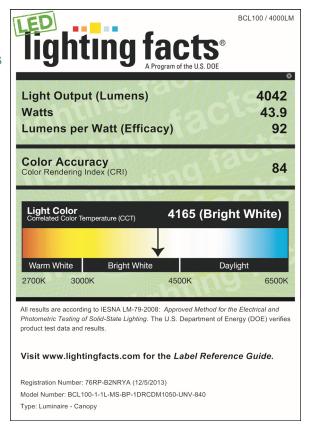


Please visit our website to view the most current information.



LED lighting facts

BCL100 - 4000 Lumens System with Emergency Battery Pack L70 performance at 136,000 hours



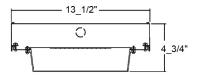
PHOTOMETRIC DATA PAGE 1

BCL100-1-1L-MSx-BP-DRDM740-UNV-840

TEST NO.=LA-T2207 LED SYSTEM=144 LED MODULE NO. OF MODULE=1 SYSTEM WATT (W)=31.94 CRI=85 CCT (K)=4000 L70(Hrs.)=168,000

PHOTOMETRY TYPE=C





C	CANDLEPOWER				
ANGLE	END		CROSS		
0	963	963	963		
5	959	958	958		
15	942	542	939		
25	918	906	914		
35 45	869 730	863 731	869 729		
55	529	495	527		
65	342	326	341		
75	214	215	215		
85	103	122	108		
90	68	71	74		
95	58	41	63		
105	39	19	35		
115	29	9	16		
125	19	0	0		
135	10	0	0		
145 155	0 0	0 0	0		
165	0	0	0		
175	0	0	0		
180	ő	ő	Ö		

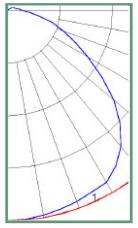
ZONAL LUMEN SUMMARY				
DEGREES	LUMENS	% FIXTURE		
0-30	779	24.6		
0-40	1319	41.6		
0-60	2340	73.8		
0-90	3026	95.4		
90-120	136	4.3		
90-150	146	4.6		
90-180	146	4.6		
0-180	3172	100		

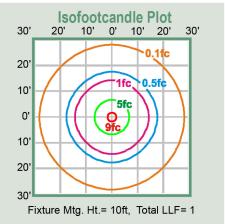
Lumen Output = 3172 lumens Luminaire Efficacy = 99 lm/w

SPACING CRITERION				
ALONG	ACROSS			
1.40	1.40			

System Spec. Matrix

	With Emergency BP	Without Emergency BP
Sensor	Yes	Yes
System Watts	32	29
Lumen Output	3172	3172
Efficacy	99 lm/w	109 lm/w
ССТ	4000K	4000K
CRI	85	85
L70	168,000	168,000

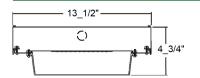




BCL100-1-1L-MSx-BP-1DRCDM1050-UNV-840

TEST NO.=LA-T2293 LED SYSTEM=144 LED MODULE NO. OF MODULE=1 SYSTEM WATT (W)=43.90 CRI=84 CCT (K)=4000 L70(Hrs.)=136,000 PHOTOMETRY TYPE=C









С	ANDLE	POWE	R
ANGLE	END		CROSS
ANGLE 0 5 15 25 35 45 55 65 75 85 90 90 115 125 135	1235 1234 1210 1179 1113 927 674 440 272 133 88 77 48 33 21	45 1235 1232 1212 1166 1106 931 629 415 271 151 106 82 36 19	1235 1229 1209 1175 1112 927 668 436 272 136 92 77 41 16
145	0	0	0
155	0	0	0
165 175	0	0 0	0
180	0	0	0

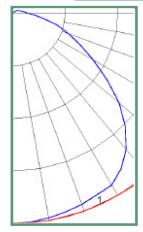
ZONAL	LUMEN SU	JMMARY
DEGREES	LUMENS	% FIXTURE
0-30	1002	24.8
0-40	1693	41.9
0-60	2991	74.0
0-90	3866	95.6
90-120	155	3.8
90-150	177	4.4
90-180	177	4.4
0-180	4042	100.0

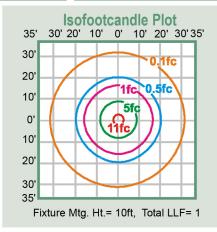
Lumen Output = 4042 lumens Luminaire Efficacy = 92 lm/w

SPACING CRITERION		
ALONG	ACROSS	
1.40	1.40	

System Spec. Matrix

	With Emergency BP	Without Emergency BP
Sensor	Yes	Yes
System Watts	44	41
Lumen Output	4042	4042
Efficacy	92 lm/w	99 lm/w
сст	4000K	4000K
CRI	84	84
L70	136,000	136,000





PHOTOMETRIC DATA PAGE 2

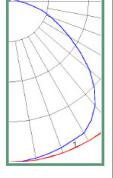
BCL100-1-1L-BP-1DRCDMxxxx-UNV-840 (Emergency Mode)

TEST NO.=LA-T2302 LED SYSTEM=144 LED MODULE NO. OF MODULE=1 CRI=85 CCT (K)=4000 PHOTOMETRY TYPE=C

 \bigcirc



4_3/4"



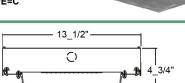
C	ANDLE	POWE	R
ANGLE	END		CROSS
0	445	445	445
5	450	448	449
15	439	441	438
25	430	427	429
35	403	404	403
45	341	342	340
55	248	239	247
65	161	158	161
75	100	102	101
85	55	59	56
90	27	31	28
95	17	19	18
105	9	8	8
115	3	1	2
125	0	0	0
135	0	0	0
145	0	0	0
155	0	0	0
165	0	0	0
175	0	0	0
180	0	0	0

ZONAL LUMEN SUMMARY				
DEGREES	LUMENS	% FIXTURE		
0-30	366	25.1		
0-40	619	42.5		
0-60	1102	75.7		
0-90	1423	9737		
90-120	33	2.3		
90-150	33	2.3		
90-180	33	2.3		
0-180	1456	100		

Lumen Output = 1456 lumens Emergency power pack operates for minimum of 90 minutes.

SPACING CRITERION		
ALONG	ACROSS	
1.40	1.40	

BCL100-1-1L-MS-BP-1DRCDM1050-UNV-850 TEST NO.= XXX LED SYSTEM=100 LED MODULE NO. OF MODULE=1 SYSTEM WATT (W)=44 CRI=80+ CCT (K)=5000 L70(Hrs.)=136,000 PHOTOMETRY TYPE=C



CANDLEPOWER				
ANGLE	END	45	CROSS	
0	1269	1269	1269	
5	1275	1252	1269	
15	1241	1241	1243	
25	1207	1209	1211	
35	1139	1142	1140	
45	961	968	961	
55	698	676	695	
65	458	447	455	
75	285	289	285	
85	152	168	158	
90	76	87	80	
95	47	53	77	
105	26	21	41	
115	10	3	16	
125	1	0	12	
135	0	0	13	
145	0	0	0	
155	0	0	0	
165	0	0	0	
175	0	0	0	
180	0	0	0	

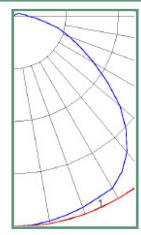
ZONAL LUMEN SUMMARY				
LUMENS	% FIXTURE			
1032	25.1			
1749	42.5			
3111	75.6			
4018	97.1			
93	2.2			
93	2.2			
93	2.2			
4111	90.4			
	1032 1749 3111 4018 93 93 93			

Lumen Output = 4111 lumens Luminaire Efficacy = 93 lm/w

SPACING CRITERION		
ALONG	ACROSS	
1.37	1.37	

System Spec. Matrix

	With Emergency BP	Without Emergency BP
Sensor	Yes	Yes
System Watts	44	41
Lumen Output	4111.4	4111.4
Efficacy	93 lm/w	100 lm/w
ССТ	5000K	5000K
CRI	80+	80+
L70	136,000	136,000



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