



SECURITY - LED

BCL100 SERIES



Canopy, Stairwell & Passageway Luminaire



The BCL100 series is a surface mounted luminaire designed for Stairwells, passageways, canopies, corridors, pedestrian tunnels and other public areas.

This Wet Location listed Security LED Luminaire is the perfect alternative to inefficient recessed or surface incandescent, fluorescent and HID fixtures in these applications.

The low voltage (0-10v) and/or step-dimming feature offers energy saving when lower light levels are an option during non-peak hours.

The BCL100 series LED luminaire is ETL listed, tested in accordance to IESNA LM-79, rated to deliver L70 performance at 168,000 hours, and backed by a 5-year limited warranty.

- Canopy, Stairwell and Passageway Luminaire
- Side KO's for 1/2" Conduit
- Electro Galvanized Steel Welded Construction
- Stainless Steel Fasteners Standard
- Neoprene Gasketed Back Housing Standard
- Polycarbonate Injection Molded Lens
- Powder Coated Finish / Painted After Fabrication
- -40°F Minimum Operating Temperature
- 3000 Lumens System
 - 29w System Watts, Efficacy 109 lm/w
 - 32w System Watts with Emergency Battery Pack, Efficacy 99 lm/w
- 4000 Lumens System
 - 41w System Watts, Efficacy 99 lm/w
 - 44w System Watts with Emergency Battery Pack, Efficacy 92 lm/w
- 1500 Lumens in Emergency Mode for Min. 90 Minutes
- 50% Lumen Output in Standby Mode with Occupancy Sensor
- 5-Year Limited Warranty
- DesignLights Consortium® QPL Listed
- ETL listed - Suitable for Wet Locations, Covered Ceiling Mount Applications

- Available with:
 - Step-Dimming and/or 0-10v Dimming Drivers
 - Photocell Sensor - On/Off
 - Occupancy Sensor
 - Tamper Proof Screws
 - Emergency Battery Pack - 1500 Lumens
 - Custom Colors



LOS ANGELES LIGHTING MFG. CO.

10141 OLNEY ST. / EL MONTE, CA 91731

TEL : 626-454-8300 FAX : 626-454-8399

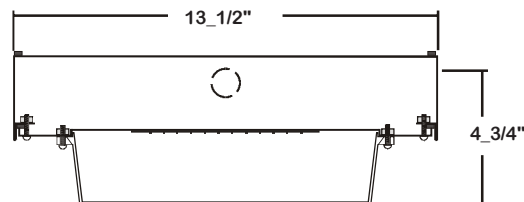
www.lalighting.com

SECURITY - LED



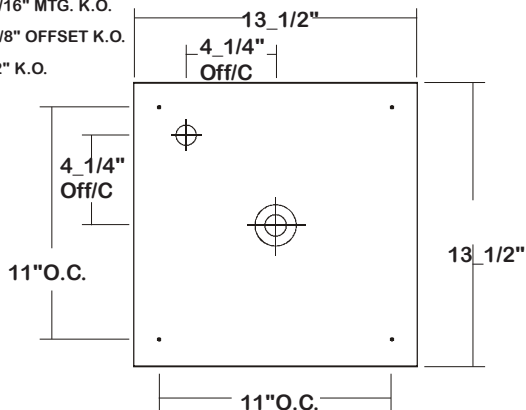
BCL100 SERIES - LED

CROSS SECTION



BACK PLATE

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



CATALOG NUMBER

CATALOG NUMBER	NOMINAL DIMENSION	# OF LED MODULES
BCL100-1-1L	1' X 1'	1

MOTION SENSOR CONFIGURATION

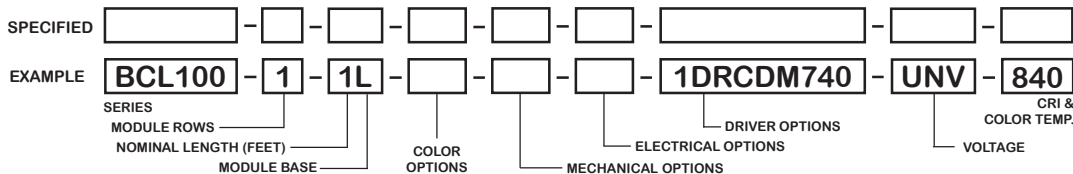
MS P 1

- 1- ON / OFF** **2- Step Dimming**
- P- Passive Infrared** **H- Super High Frequency**
- Sensor on attached sensor box* *Sensor behind injection molded lens*



Motion Sensor

ORDERING GUIDE



OPTIONS AND ACCESSORIES

- **COLOR OPTIONS** SUFFIX
- White Standard
- Black BLK
- Bronze (DUPONT® PFJ507A5) BZ

Note: Other colors available upon request.

- **MECHANICAL OPTIONS** SUFFIX
- Tamper Proof Screws TP

● **ELECTRICAL OPTIONS**

- Photocell Sensor - On/Off
- Motion Sensor
- Emergency Battery Pack - 90 Minutes @ 1500 Lumens

- SUFFIX
- PCS
- MS* (* See Sensor Configuration)
- BP

● **DRIVER OPTIONS**

- 3000 Lumens System**
- 0-10v and Step Dimming Combined Driver, 740mA
- 4000 Lumens System**
- 0-10v and Step Dimming Combined Driver, 1050mA

- SUFFIX
- DRCDM740
- DRCDM1050

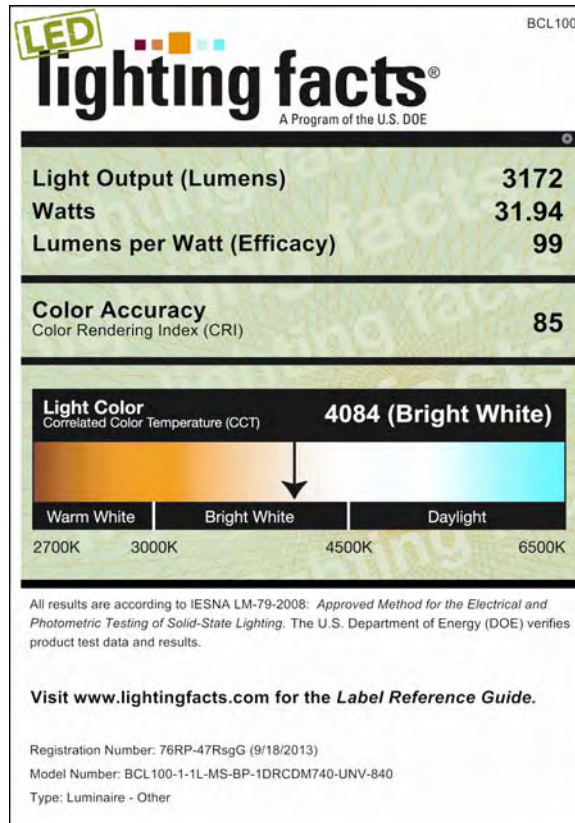
SPECIFICATIONS

- **TYPE** Surface mounted LED security luminaire for use in public spaces where vandalism may be problem, ideal for stairwells, passageways, canopies, corridors, pedestrian tunnels and other public areas.
- **CONSTRUCTION** 20ga. electro galvanized steel construction, neoprene gasketed. Aluminum heat sink cover. Two side knockouts for 1/2" conduit, knockout on opposite side of the fixture.
- **FINISH** Baked white powder coated finish standard, paint after fabrication.
- **OPTICS** Polycarbonate injection molded lens.
- **LED SYSTEM** High-efficiency 4000K / 85 CRI LEDs, tested in accordance to IESNA LM-79, rated life L70 (10K) =168,000 Hrs. -40°F minimum operating temperature.
- **PHOTOCELL SENSOR** Wet location photocell sensor optional, fixed light level at ANSI standard 1.5 footcandle.
- **MOTION SENSOR** Passive infrared wet location occupancy sensor optional, coverage 48' diameter from 8' height. Adjustable time delay from 30 seconds to 30 minutes, factory preset at 15 minutes. Super high frequency occupancy sensor available, please visit L. A. Lighting web site for details.
- **WIRING** Universal voltage 120v thru 277v.
- **WARRANTY** 5-year limited warranty.
- **LABELS** ETL Listed. Suitable for wet location, covered ceiling mount applications. DesignLights Consortium® qualified.

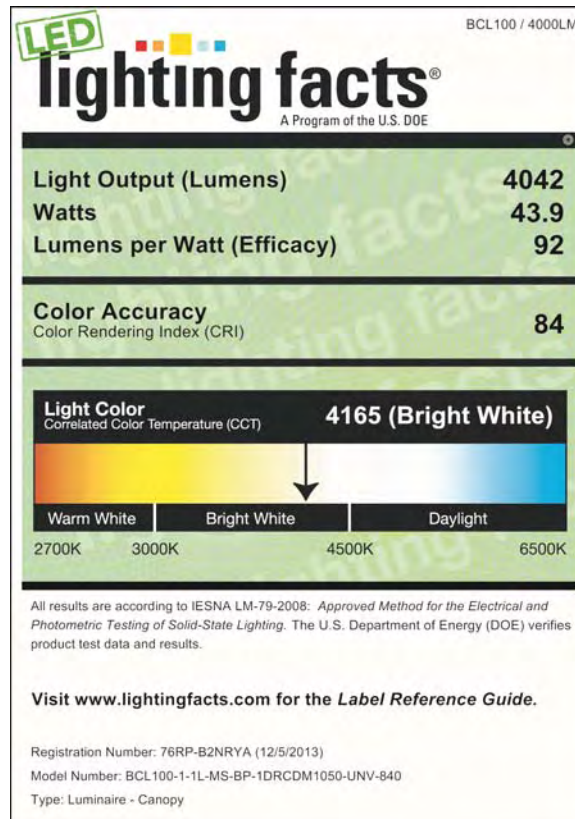


LED lighting facts

**BCL100 - 3000 Lumens System
with Emergency Battery Pack**



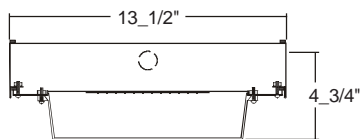
**BCL100 - 4000 Lumens System
with Emergency Battery Pack**



PHOTOMETRIC DATA

BCL100-1-1L-MSx-BP-1DRCDM740-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



CANDLEPOWER

ANGLE	END	4 5	CROSS
0	963	963	963
5	959	958	958
15	942	942	939
25	918	906	914
35	869	863	869
45	730	731	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	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	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

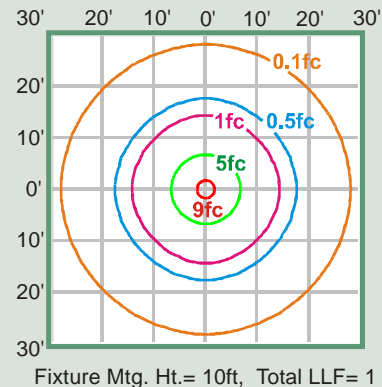
ALONG	ACROSS
1.40	1.40

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
CCT	4000K	4000K
CRI	85	85
L70	168,000	168,000

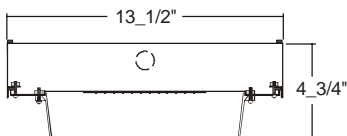


Isofootcandle Plot



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



CANDLEPOWER

ANGLE	END	4 5	CROSS
0	1235	1235	1235
5	1234	1232	1229
15	1210	1212	1209
25	1179	1166	1175
35	1113	1106	1112
45	927	931	927
55	674	629	668
65	440	415	436
75	272	271	272
85	133	151	136
90	88	106	92
95	77	82	77
105	48	36	41
115	33	19	16
125	21	12	12
135	13	14	13
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	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

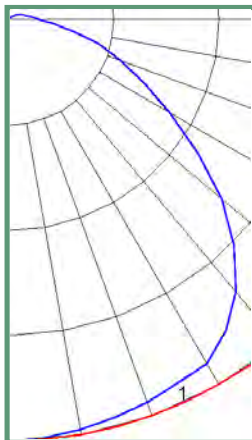
Lumen Output = 4042 lumens
 Luminaire Efficacy = 92 lm/w

SPACING CRITERION

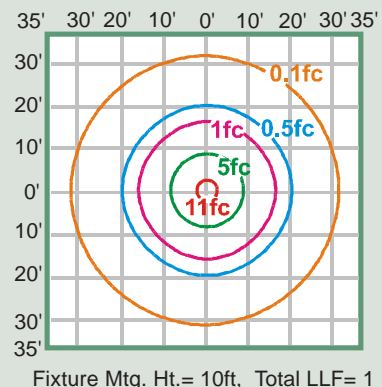
ALONG	ACROSS
1.40	1.40

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
CCT	4000K	4000K
CRI	84	84
L70	136,000	136,000



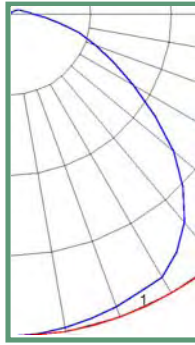
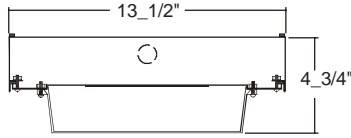
Isofootcandle Plot



PHOTOMETRIC DATA

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



CANDLEPOWER

ANGLE	END	45	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	97.37
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

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