SECURITY LED
ASE 100 (4FT) SERIES (2' AVAILABLE)
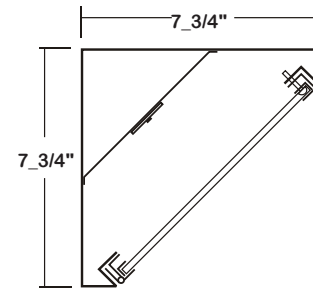### HIGH IMPACT ANGLED SECURITY LUMINAIRE

LA LIGHTING

SURFACE / CORNER / WALL / CEILING MOUNTED SECURITY LED LUMINAIRE

DIMENSIONS

7_3/4"

7_3/4"

• 3/8" K.O.   ⊕ 7/8" K.O.   ⊕ 2" K.O.

48"
32" O/C
7_3/4"
18" Off C
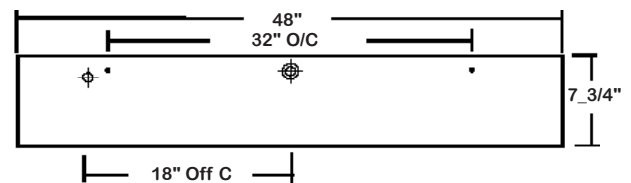
APPLICATIONS

• Minimum Security, Wall Mount Areas, Vandal Resistant Areas, Public Areas, Commercial

FEATURES

• 0-10V dimming driver standard *(See DRIVER OPTIONS for other dimming types)*
• Supports California Title 24 compliance
• Safety cables attached to LED gear tray

OPTIONS

• Full customization available upon request
• Additional lumen packages and color temperatures available
• Controls and sensors available *(See SENSOR OPTIONS 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)*
• Variety of lenses available *(See OPTICAL OPTIONS for lenses)*
• Emergency battery pack available *(See BATTERY PACK OPTIONS for battery pack options)*

SPECIFICATIONS

CONSTRUCTION
• 20 ga. cold rolled steel welded housing
• 20 ga. cold rolled steel door frame secured by stainless steel piano hinge and 2 captive stainless steel tamper proof screws
• Inner frame lens retainer rail
• One way polyurethane gasket standard *(See GASKET for gasket options)*

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

OPTICAL
• High impact clear prismatic acrylic lens (nominal 0.187) standard

ELECTRICAL
• High efficiency drivers coupled with long-life LEDs
• Service life greater than 50,000 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 damp locations

WARRANTY
• 5-year limited warranty

MADE IN USA   c UL us   RoHS COMPLIANT

MADE IN THE U.S.A.

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WARNING

ORDERING INFORMATION

EXAMPLE: ASE100-4-4L-DRP8-BPL10-1DRDM-UNV-1/840

SERIES	LED LUMEN PACKAGE	EFFICACY	NOMINAL LENGTH	COLOR	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
ASE100			**4L**					**1DRDM**	**UNV**		
ASE100 High Impact Angled Security LED Luminaire	**4** Nom. 4000 Lumens **6** Nom. 6000 Lumens **8** Nom. 8000 Lumens **12** Nom. 12000 Lumens *Additional Lumen Packages Available	**(Blank)** Standard **HE** High Efficacy	**4L** 4'	**(Blank)** Standard White **BLK** Matte Black **CS** Camaro Silver **BZ** Statuary Bronze See CUSTOM COLORS for Options	**DRP8** High Impact Clear Prismatic Acrylic Nominal 0.187 **DRP2** High Impact Clear Prismatic Acrylic Nominal 0.125 **PPC2** Clear Prismatic Polycarbonate Nominal 0.125 See OPTICAL OPTIONS for Options	**GSKN1** One-Way Neoprene Gasket *Leave Blank if Not Specified See GASKET for Options *Additional Mechanical Options*	**BPL10** Emergency Battery Pack, Constant 10W Nom. 1500 lm See BATTERY PACK OPTIONS for Options **WLC(LEDRU)** EnOcean Wireless Control See SENSOR OPTIONS for Options *Leave Blank if Not Specified *Additional Electrical Options*	**1DRDM** 0-10V One Dimming Driver See DRIVER OPTIONS for Options	**UNV** 120V-277V See DRIVER OPTIONS for Options	**1** One LED Row (Only 4000 / 6000 / 8000 lumens Systems) **2** Two LED Rows (Only 12000 lumens Systems)	**830** 80+CRI / 3000K Color Temp. **835** 80+CRI / 3500K Color Temp. **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
4000 Lumens (Nominal)	ASE100-4-4L-DRP8-1DRDM-UNV-1/840	3524 lm	33.1 W	106.5 lm/W	-20°C / 35°C	2-F32T8, 1-F54T5HO	LA-T3172-1
6000 Lumens (Nominal)	ASE100-6-4L-DRP8-1DRDM-UNV-1/840	5038 lm	52.3 W	96.3 lm/W	-20°C / 35°C	3-F32T8	*
8000 Lumens (Nominal)	ASE100-8-4L-DRP8-1DRDM-UNV-1/840	6806 lm	53.8 W	126.5 lm/W	-20°C / 35°C	4-F32T8, 2-F54T5HO	*
12000 Lumens (Nominal)	ASE100-12-4L-DRP8-1DRDM-UNV-2/840	10080 lm	104.6 W	96.3 lm/W	-20°C / 35°C	6-F32T8	*

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
4000 Lumens (Nominal)	ASE100-4HE-4L-DRP8-1DRDM-UNV-1/840	3292 lm	23.2 W	142.0 lm/W	-20°C / 35°C	2-F32T8, 1-F54T5HO	*
6000 Lumens (Nominal)	ASE100-6HE-4L-DRP8-1DRDM-UNV-1/840	5294 lm	39.5 W	133.9 lm/W	-20°C / 35°C	3-F32T8	*
8000 Lumens (Nominal)	ASE100-8HE-4L-DRP8-1DRDM-UNV-1/840	6816 lm	53.0 W	128.7 lm/W	-20°C / 35°C	4-F32T8, 2-F54T5HO	*
12000 Lumens (Nominal)	ASE100-12HE-4L-DRP8-1DRDM-UNV-2/840	9946 lm	73.6 W	135.1 lm/W	-20°C / 35°C	6-F32T8	*

NOTE:

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.

PERFORMANCE DATA

VIEW PHOTOMETRICS

MADE IN THE USA • c UL us • RoHS COMPLIANT

MADE IN THE U.S.A.

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SENSOR OPTIONS

enocean — 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

EDRPU-W-EO - EnOcean® Rocker Switch – Double – Surface Mount
• Wireless double rocker switch with mounting plate
• No batteries needed

S3054-N300 - 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
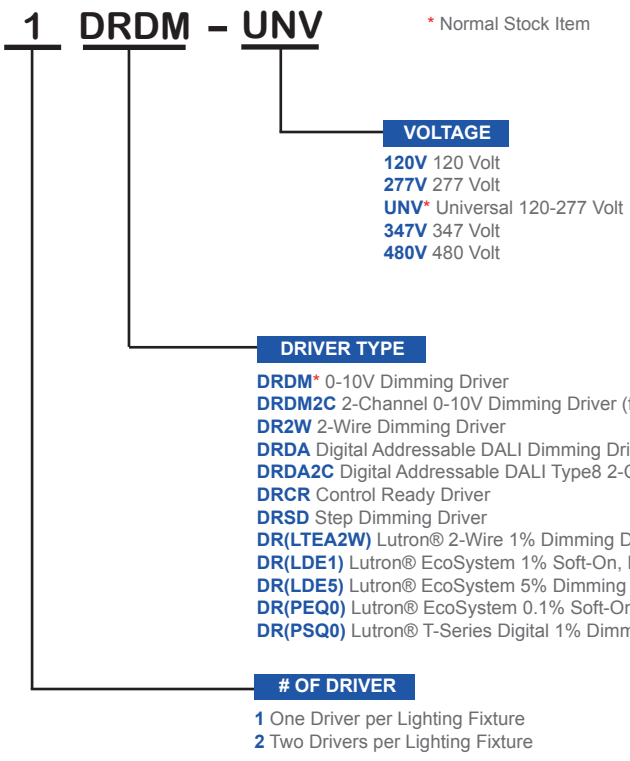• Connectivity is through the NWC 300U USB Stick

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
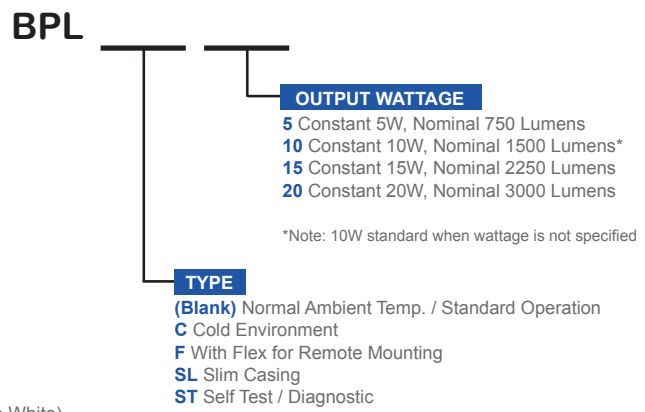• Mounting position: At the ceiling, close to ambient light source

DRIVER OPTIONS

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

1   DRDM – UNV

* Normal Stock Item

VOLTAGE
120V 120 Volt
277V 277 Volt
UNV* Universal 120-277 Volt
347V 347 Volt
480V 480 Volt

DRIVER TYPE

DRDM* 0-10V Dimming Driver
DRDM2C 2-Channel 0-10V Dimming Driver (for Color Tunable White)
DR2W 2-Wire Dimming Driver
DRDA Digital Addressable DALI Dimming Driver
DRDA2C Digital Addressable DALI Type8 2-Channel Driver (for Color Tunable White)
DRCR Control Ready Driver
DRSD Step Dimming Driver
DR(LTEA2W) Lutron® 2-Wire 1% Dimming Driver (120V Forward Phase only)
DR(LDE1) Lutron® EcoSystem 1% Soft-On, Fade-to-Black™ Dimming Driver
DR(LDE5) Lutron® EcoSystem 5% Dimming Driver
DR(PEQ0) Lutron® EcoSystem 0.1% Soft-On, Fade-to-Black Dimming Driver
DR(PSQ0) Lutron® T-Series Digital 1% Dimming 2-Channel Driver (for Color Tunable White)

 # OF DRIVER

1 One Driver per Lighting Fixture
2 Two Drivers per Lighting Fixture

BATTERY PACK OPTIONS

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

BPL

OUTPUT WATTAGE
5 Constant 5W, Nominal 750 Lumens
10 Constant 10W, Nominal 1500 Lumens*
15 Constant 15W, Nominal 2250 Lumens
20 Constant 20W, Nominal 3000 Lumens

*Note: 10W standard when wattage is not specified

TYPE
(Blank) Normal Ambient Temp. / Standard Operation
C Cold Environment
F With Flex for Remote Mounting
SL Slim Casing
ST Self Test / Diagnostic
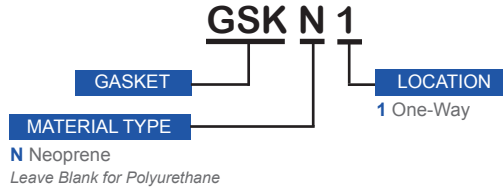
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OPTICAL OPTIONS

STANDARD LENSES FOR ASE100

DRP8	High Impact Clear Prismatic Acrylic, Nom. 0.187 OA Thickness, Female Prisms 3/16 Square Base
DRP2	High Impact Clear Prismatic Acrylic, Nom. 0.125 OA Thickness, Female Prisms 3/16 Square Base
PPC2	Clear Prismatic Polycarbonate, Nom. 0.125 OA Thickness, Female Prisms 3/16 Square Base

GASKET

GSK N 1

GASKET

MATERIAL TYPE

N Neoprene
Leave Blank for Polyurethane

LOCATION

1 One-Way

CUSTOM COLORS

BLK - Matte Black   **CS - Camaro Silver**   **BZ - Statuary Bronze**

Variety of RAL colors & Axalta/DuPont colors available upon request.
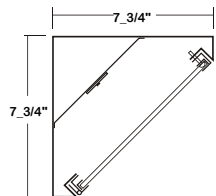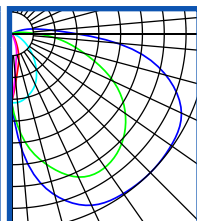
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PHOTOMETRIC DATA - ASE100 SERIES

ASE100-4-4L-DRP8-1DRDM-UNV-1/840

TEST NO.=LA-T3172-1
LED TYPE=48 LED MODULE
NO. OF MODULE=2
SYSTEM WATT (W)=33.1

CRI ≥ 80
L70(Hrs.) ≥ 50,000
PHOTOMETRY TYPE=C

7_3/4"
7_3/4"

CANDLEPOWER

ANGLE	END	45	CROSS	135	180
0	665	665	665	665	665
5	1121	957	666	467	396
15	1614	1309	619	270	187
25	1831	1530	540	123	54
35	1888	1578	416	43	7
45	1901	1506	287	11	0
55	1886	1344	173	2	0
65	1815	1088	90	0	0
75	1547	731	39	0	0
85	1023	417	16	0	0
90	635	254	7	0	0
95	395	145	2	0	0
115	50	12	0	0	0
125	5	1	0	0	0
135	0	0	0	0	0
145	0	0	0	0	0
155	0	0	0	0	0
165	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

ZONAL LUMEN SUMMARY

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	650	15.1	18.4
0-40	1119	26.1	31.7
0-60	2205	51.4	62.5
0-90	3364	78.5	95.49
90-120	158.3	3.7	4.4
90-150	159.0	3.7	4.5
90-180	159.0	3.7	4.5
0-180	3523	82.2	100.00

Luminaire Output= 3523 lumens
Luminaire Efficacy = 106.4 lm/W

SPACING CRITERION

ALONG	ACROSS
2.94	1.09

ASE100_4FT