

Stonco

by @ignify

Site & Area

Area light

AL100/AL150/AL200

Project:

Location:

Cat.No:

Type:

Notes:

TYPE S1

Example: AL-150-NW-G1-AR-3-B-Z

Ordering guide

Luminaire	Wattage	LED Color - Generation	Mounting	Distribution	Voltage	Controls	Finish
AL		NW-G1	AR		8		BZ
AL Area Light	100 100W 150 150W 200 200W	NW-G1 Neutral White, 4000K, 70 CRI, Generation 1	AR Arm mounting	3 Type 3 4 Type 4 5 Type 5	8 120-277 Volts	-- No motion sensor IMR Motion sensor †	BZ Bronze

1. Mounts to a square pole. Adapter included for 4" round poles.

2. IMR is available with AL-200 type 3 and 4 only.

Product Specifications

**Housing**  
Aluminum die-cast housing with attachable arm. Arm has removable cover for ease of wire connection.

**IP Rating**  
LED light engine rated IP66. Driver compartment rated to IP65.

**Vibration Resistance**  
3G vibration rating that conforms to standards set forth by ANSI C136.31. Testing includes vibration to 3G acceleration in all three axes.

**Electrical**  
Driver efficiency >90% at full load. Available in 120-277V. IP66 compliant driver. RoHS compliant. Surge protector standard. 10KA per ANSI/IEEE C62.41.2.

**LED Board and Array**  
140, 216 or 280 LEDs. Color temperature 4000K, +/- 250K. Minimum CRI of 70. Metal core substrate.

**Optical System**  
Type 3, 4, and 5 distributions available.

**LED Thermal Management**  
The housing design allows the one piece housing to provide excellent thermal management critical to long LED system life.

**Infrared Motion Response**  
Integral IMRI module is a passive infrared (PIR) motion sensor mounted integral on driver enclosure and is available with a sensor lens type to accommodate mounting heights up to 40" and occupancy coverage area up to 2,800 sq. ft. (80' in diameter). Motion response for option IMRI is set/operates in the following fashion:  
When motion is detected by the PIR sensor, the luminaire goes to full power/light output.  
Dimming on low is factory set to 30% with 5 minute default in "full power" prior to dimming back to low. When no motion is detected for 5 minutes, the motion response system reduces the wattage by 70% to 30% of the normal constant wattage reducing the light level.

**Mounting**  
Standard luminaire arm mounts to square poles. Round pole adapter included with every luminaire designed for 4" OD poles.

**Energy Saving Benefits**  
System efficacy up to 126lms/W with significant energy savings over Pulse Start Metal Halide luminaires.

**Listings**  
UL/cUL listed to the UL 1598 standard, suitable for Wet Locations. Suitable for use in ambient from -40° to 40°C (-40° to 104°F).

**Finish**  
All product configurations are DesignLights Consortium® qualified.

**Limited Warranty**  
Luminaires, LED arrays, and drivers are all covered by a 5-year limited warranty. See philips.com/warranties for details.

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DLC

UL

US

Stonco

by @ignify

Site & Area

Area light

AL100/AL150/AL200

Project:

Location:

Cat.No:

Type:

Notes:

TYPE S2

Example: AL-150-NW-G1-AR-3-B-Z

Ordering guide

Luminaire	Wattage	LED Color - Generation	Mounting	Distribution	Voltage	Controls	Finish
AL		NW-G1	AR		8		BZ
AL Area Light	100 100W 150 150W 200 200W	NW-G1 Neutral White, 4000K, 70 CRI, Generation 1	AR Arm mounting	3 Type 3 4 Type 4 5 Type 5	8 120-277 Volts	-- No motion sensor IMR Motion sensor †	BZ Bronze

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Driver efficiency >90% at full load. Available in 120-277V. IP66 compliant driver. RoHS compliant. Surge protector standard. 10KA per ANSI/IEEE C62.41.2.

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140, 216 or 280 LEDs. Color temperature 4000K, +/- 250K. Minimum CRI of 70. Metal core substrate.

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by @ignify

Site & Area

Area light

AL100/AL150/AL200

Project:

Location:

Cat.No:

Type:

Notes:

TYPE S3

Example: AL-150-NW-G1-AR-3-B-Z

Ordering guide

Luminaire	Wattage	LED Color - Generation	Mounting	Distribution	Voltage	Controls	Finish
AL		NW-G1	AR		8		BZ
AL Area Light	100 100W 150 150W 200 200W	NW-G1 Neutral White, 4000K, 70 CRI, Generation 1	AR Arm mounting	3 Type 3 4 Type 4 5 Type 5	8 120-277 Volts	-- No motion sensor IMR Motion sensor †	BZ Bronze

1. Mounts to a square pole. Adapter included for 4" round poles.

2. IMR is available with AL-200 type 3 and 4 only.

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DLC

UL

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LIGHTOLIER

by @ignify

Downlighting

EasyLyte

Z6RDL 6" Round Aperture

Project:

Location:

Cat.No:

Type:

Lamps:

Qty:

TYPE S4

example: 6RN

Frame

(frame + trim + complete product)

example: 6RN

Series	Aperture	Installation	Options
6	6-inch Non-IC	R Round	N New construction (Non-IC) R Remodeler (Non-IC) A AirSeal (IC)

Trim

example: Z4RDLZ0R35WOCZ210U

Series	Lumen	CRI/CCT	Beam	Style	Reflector	Dimming	Voltage
Z6RDL EasyLyte	10 1000lm 15 1500lm 20 2000lm 25 2500lm 30 3000lm 35 3500lm	827 80 CRI / 2700 K 830 80 CRI / 3000 K 835 80 CRI / 3500 K 840 80 CRI / 4000 K	M Wide	O Open S Step Baffle	CD Clear diffuse (asplied finish) BK Black (matte) WH White (matte) DB Dark Bronze	Z10 0-10V 1% L Lutron LDE1 EcoSystem (black-to-black) E ELV	U Universal 120/277/347V 1 120V E Ethernet 48V DC

1. There is a 3000lm (30) line with 6" (SR) IC housings.

2. Interact Pro (IP) Emergency (EM) and Chicago Plenum (LC) are only available with New construction (N) installs.

3. Integral Interact Pro RF sensor enables network lighting control, to be specified with 0-10V light engines only.

4. Emergency (EM) frame comes with emergency battery pack and ceiling mountable test switch.

5. ELV (E) dimming is only compatible with 1000lm (10), 1500lm (15), 2000lm (20) configurations.

6. Consult factory for additional dimming options.

IC INSULATION CONTACT

UL LISTED

WET LOCATION

RoHS COMPLIANT

interact ready.

EasyLyte-6in-Z6RDL 09/20 page 1 of 6

LUMEC

by @ignify

Urban

TownGuide

PBDP100

Flat Cone Post Top

Project:

Location:

Cat.No:

Type:

Lamps:

Qty:

TYPE S5

Example: PBDP100-10W12BLD4K-MP-PC-C-LES-UNV-COMGM25-RCD-PH8-P120-12-GR

Ordering guide

Series	Lamp	Lamp type	Globe material	Globe finish	Optical system	Voltage	House Side Shield	Luminaire options	Luminaire accessory	Pole type & height	Finish
PBDP100	3000K S0W64LED3K 61W64LED3K 75W96LED3K 95W128LED3K 10W128LED3K 4000K S0W64LED4K 61W64LED4K 75W96LED4K 95W128LED4K 10W128LED4K	MP	PC	C	LE2 LE3 LES	UNV	HS	RCD RCD†	PH8 PH9	P120-8 P120-10 P120-12 P120-14 P150-8 P150-10	BKST BKST GR MGY WHST

1. Use of Luminaire accessory PH8 or PH9 is required to ensure proper illumination.

Luminaire

22 1/2" (571 mm)  
8 3/8" (209 mm)  
EPA: 5489 sq. ft.  
Weight: 14.06 lbs  
2 7/8" (70 mm)

Poles

P120  
8' (2.43 m)  
10' (3.05 m)  
12' (3.66 m)  
14' (4.27 m)  
3 1/4" (8 cm)  
12 1/8" (31 cm)  
2 3/4" (7 cm)  
10 1/4" (26 cm)  
7 1/2" (19 cm)  
9 1/2" (24 cm)

Arrangement of the LED modules in the luminaire, viewed from the road axis.

4 modules (64LED) 6 modules (96LED) 8 modules (128LED)

TownGuide-PBDP100-Spec 01/19 page 1 of 3

DLC

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LEGION® LED

LIGHTING CO., INC.

TYPE S6

OUTDOOR WALL CYLINDER - SERIES 162L

LED Outdoor Wall Cylinder Up Or Down Light

Project:

Location:

Cat.No:

Type:

Lamps:

Qty:

TYPE S6

Example: 162L WS 020L 41 UNV BZ

Specifications

- Extruded aluminum housing with built in heat sinks.
- Clear tempered flat glass lens.
- Reflector is available in wide, medium and narrow distributions.
- Universal 120-277V, 50/60Hz operation. 0-10v Dimming (10% Dim).
- Long life LED array, available in 4100°K, rated for 89,000 hours (L70/25°C). Nominal lumen outputs shown below. CRI>80.
- Black or bronze powder coat finish standard. Custom colors available, CONSULT FACTORY.
- Mounts over a 4" octagonal box.
- Options include single fuse, double fuse, 10kV surge protection, photocell and emergency battery backup.
- The EXTERIOR CYLINDER Series 162L luminaire is CSA wet listed (-40°C - 50°C). IP66 Rated. Standard internal surge suppression 2kV.
- Five (5) year warranty.

TOTAL CONSUMPTION	DELIVERED LUMENS WS - WIDE OPTIC	DELIVERED LUMENS MS - MEDIUM OPTIC	DELIVERED LUMENS NS - NARROW OPTIC
21	2364	2309	2209

ORDERING INFORMATION

Example: 162L WS 020L 41 UNV BZ

SERIES	DISTRIBUTION	LIGHT ENGINE	COLOR TEMP	VOLTAGE	FINISH	OPTIONS
162L	WS 100° reflector MS 70° reflector NS 30° reflector	020L 21 watts 41 4100°K	UNV 120-277V	BL Black	BZ Bronze	SF Single fuse (120V and 277V only) DF Double fuse (208V and 240V only) SP Surge protection (additional to standard - max. 10kA rating) PC Photocell EM Emergency battery pack

WEGreen LEGION COMPLIANT

RoHS COMPLIANT

Consult factory for other options or special requests

2020-03-05-162L-LED

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221 Glenmore Avenue, Brooklyn, New York 11207 / Info and Sales Call Tel 800-4.LEGION / www.legionlighting.com

PROJECT

NO. 20-2006-02

GREYSTAR

ACTIVE

INDEPENDENT

LIVING

Scottsdale, AZ

CLIENT

GREYSTAR

3200 E Camelback Rd., Suite 225  
Phoenix, AZ

SEAL

Professional Engineer  
FOR CONSTRUCTION  
RECORD  
ARIZONA U.S.A.  
EXPIRES: 12/31/2021

TODD + ASSOCIATES

CRITICAL THINKING / CREATIVE DESIGN

ARCHITECTURE, PLANNING,  
LANDSCAPE ARCHITECTURE.

4019 N. 44TH ST. / PHOENIX, AZ 85018  
602-952-8280 / TODDASSOC.COM

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CONTACT

10-09-20

REZONING SUBMITTAL

-

DATA

PHASE

10-09-20

REZONING SUBMITTAL

-

ELECTRICAL SITE LIGHTING CUT-SHEETS

E1.3

NP ENGINEERING INC.

4115 N. 15TH AVE.  
PHOENIX, AZ 85015  
(602) 265-1559  
PROJECT NO. 2020-184

16-ZN-2020

10/20/20



**NOTE:**  
MAX. 20" HIGH  
MEASURED FROM  
TOP OF FIXTURE  
TO ABOVE  
FINISHED GRADE.

4" SQUARE STEEL POLE  
WITH 0.125" WALL  
THICKNESS. PAINT TO  
MATCH FIXTURE.

HANDHOLE WITH TAMPER  
PROOF SCREWS

BASE COVER PLATE

ANCHOR BOLTS BY  
MANUFACTURER X 24"  
LONG (MIN.)

5° SLOPE TO DRAIN

1" CHAMFER

BRUSHED FINISHED

FINISHED GRADE

CLAMP TO REBAR.  
CLAMP SUITABLE  
FOR DIRECT BURIAL

RIGID STEEL ELBOW

3/4" MIN. PVC CONDUIT  
WITH BONDING WIRE

3000 PSI CONCRETE BASE  
POUR AGAINST  
UNDISTURBED OR WELL  
COMPACTED EARTH

24" ø

60"

30"

24" MIN.

30" MAX.

1" GROUT

#6 BARE CU. TO  
REBAR IN FOOTING

GROUND LUG FOR BOND  
CONDUCTORS (INSIDE  
POLE ACCESSIBLE FROM  
HANDHOLE)

**NOTE:**  
MAX. 15" HIGH  
MEASURED FROM  
TOP OF FIXTURE  
TO ABOVE  
FINISHED GRADE.

4" ROUND STEEL POLE  
WITH 0.125" WALL  
THICKNESS. PAINT TO  
MATCH FIXTURE

HANDHOLE WITH TAMPER  
PROOF SCREWS

BASE COVER PLATE

ANCHOR BOLTS BY  
MANUFACTURER X 24"  
LONG (MIN.)

5° SLOPE TO DRAIN

1" CHAMFER

BRUSHED FINISHED

FINISHED GRADE

CLAMP TO REBAR.  
CLAMP SUITABLE  
FOR DIRECT BURIAL

RIGID STEEL ELBOW

3/4" MIN. PVC CONDUIT  
WITH BONDING WIRE

3000 PSI CONCRETE BASE  
POUR AGAINST  
UNDISTURBED OR WELL  
COMPACTED EARTH

24" ø

60"

30"

4" MIN.

24" MIN.

1" GROUT

#6 BARE CU. TO  
REBAR IN FOOTING

GROUND LUG FOR BOND  
CONDUCTORS  
(INSIDE POLE  
ACCESSIBLE FROM  
HANDHOLE)

**TYPICAL POLE LIGHT  
MOUNTING DETAIL**

TYPE 'S1', 'S2', & 'S3'

**TYPICAL POST TOP LIGHT  
MOUNTING DETAIL**


TYPE 'S5'


**NOTES**

- E.P.A. RATINGS AND SOIL CONDITIONS SHALL BE COORDINATED WITH POLE AND FIXTURE ASSEMBLY.
- GENERAL CONTRACTOR TO PROVIDE POLE BASE DESIGN SEALED BY REGISTERED ARIZONA STRUCTURAL ENGINEER. REFER TO STRUCTURAL DRAWINGS FOR POLE BASE DETAIL.

**NOTES**

- E.P.A. RATINGS AND SOIL CONDITIONS SHALL BE COORDINATED WITH POLE AND FIXTURE ASSEMBLY.
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by 

Landscape

Bollard

DB30 LED Accent

Project: \_\_\_\_\_

Location: \_\_\_\_\_

Cat No: \_\_\_\_\_

Type: \_\_\_\_\_

Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_

Note: \_\_\_\_\_

# TYPE S8

## Ordering Guide

Example: DB30 A A0 12L E

Product Code	DB30	LED Bollard
Finish	A	Black
	H	Bronze
Optics	A0	Symmetric
Voltage	12L	9.5W LED
	E	120V

## Specifications

### HOUSING:

360 low-copper die-cast aluminum alloy. Dome roof with die-cast aluminum louvers. Easy access to lamp. 5" dia. extruded aluminum with a wall thickness of 0.125". All non-ferrous fasteners prevent corrosion and ensure longer life.

### FINISH:

Thermoset polyester powdercoat is electrostatically applied after a five-stage conversion cleaning process and bonded by heat fusion thermosetting. Laboratory tested for superior weatherability and fade resistance in accordance with ASTM B117 specifications. For larger projects where a custom color is required, contact the factory for more information.

### OPTICAL ASSEMBLY:

Symmetric. Die-cast aluminum louvers with underside painted with highly reflective white powdercoat. Tempered glass globe.

### LAMPING:

9.5W Philips LED EnduraLED lamp, LED 4Kv medium base porcelain socket A19. 2700K warm white delivers 800 lumens. Lamp life is rated at 25,000 hours. 120 volt only.

### ELECTRICAL ASSEMBLY:

Ballast assembly is mounted to an aluminum plate, which is mounted inside the base. Quick disconnects for easy installation and removal.

### INSTALLATION & MOUNTING:

Tube is mounted to the base plate with three (3) 5/16-18 flat head allen key stainless steel tamper-resistant screws.


### WARRANTY:

Five-year limited warranty.

### CERTIFICATIONS:

ETL listed to U.S. safety standards for wet locations. cETL listed to Canadian safety standards for wet locations. Manufactured to ISO 9001:2008 Standards.

<b>Height :</b> 31 3/4" (80.65cm)	<b>Width:</b> 8" (15cm)	<b>Bolt Circle:</b> 5" (8 cm)	<b>Anchor Rods:</b> Internal (3) 3/8" dia. x 8" long (1 cm x 20cm)	<b>Base Diameter:</b> 6" (15cm)	<b>Max. Weight:</b> Powdercoat: 15 lbs
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www.hadco.com

Landscape\_Spec Sheet\_DB30\_LED\_Aluminum\_Bollard.pdf 12/16 page 1 of 1

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