

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-BZ

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 126lm/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.

Stonco\_AreaLight\_SpecSheet www.stonco.com 04/19 page 1 of 2

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-BZ

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 126lm/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.

Stonco\_AreaLight\_SpecSheet www.stonco.com 04/19 page 1 of 2

Stonco

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-BZ

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 126lm/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.

Stonco\_AreaLight\_SpecSheet www.stonco.com 04/19 page 1 of 2

LIGHTOLIER

by @ignify

Downlighting

EasyLyte

Z6RDL 6" Round Aperture

Project:

Location:

Cat.No:

Type:

Lamps:

Qty:

TYPE S4

example: 6RN

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

Trimmable

example: Z4RDL20R35WOC210U

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 / 2700K 830 80 CRI / 3000K 835 80 CRI / 3500K 840 80 CRI / 4000K	M Wide	O Open S Step B Batle	CD Clear diffuse (aspirated finish) BK Black (matte) WH White (matte) DB Dark Bronze	Z10 0-10V 1% L Lutron LDE1 EcoSystem (black-to-black) U Universal 120/277/347V E ELV P Power over Ethernet (PoE) EM Ethernet 48V DC	1 120V

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.

NOTE: 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

GARDCO

by @ignify

Site & Area

PureForm

PPT post top with comfort optics

Project:

Location:

Cat.No:

Type:

Lamps:

Qty:

TYPE S5

example: PPT-140L-450-NW-G2-T3-1-UNV-DGY

Profile	Number of LEDs	Drive Current	LED Color - Generation	Mounting	Distribution	Emergency	Voltage
PPT	140L 140 LEDs	450 450mA 650 650mA 1050 1050mA 1875 1875mA 2100 2100mA	WW-G2 Warm White 3000K, 70 CRI Generation 2 NW-G2 Neutral White 4000K, 70 CRI Generation 2 CW-G2 Cool White 5000K, 70 CRI Generation 2 WF-G2 Warm White 2700K, 80 CRI Generation 2 BW-G2 Balanced White 3500K (80 CRI) Generation 2 AM-G2 Amber Generation 2	T3 Mounts to a 3" x 4" Tenon (standard) T2 Mounts to a 2.3/8" x 4" Tenon (must be ordered and shipped as a separate accessory)	1 Comfort Type 1 2 Comfort Type 2 3 Comfort Type 3 5 Comfort Type 5	Leave blank for no battery EBPC Emergency battery pack cold weather (AAA) EBP Emergency battery pack	120 120V 208 208V 240 240V 277 277V 347 347V 480 480V UNV 120-277V (50/60Hz) HW 347-480V (50/60Hz)

Options

Dimming controls	Motion sensing	Photo-sensing	Electrical/Shield	Finish
DD 0-10V External dimming by others FAWS Field Adjustable Wattage Selector SW Interface module for Stevie LLC Integral wireless module BL BL-level functionality	IMR3 Integral with #3 lens	PCB Photocell Button TLR05 Twist Lock Receptacle 5 Pin TLR07 Twist Lock Receptacle 7 Pin TLR08 Twist Lock Receptacle 8 Pin TLR09 Twist Lock Receptacle w/PhotoCell	FS1 Single (120, 277, 347VAC) FS2 Double (208, 240, 480VAC) FS3 Canadian Double-Pole (208, 240, 480VAC) Surge Protection (10KA standard) SP Increased SPK EHS External house side shield (factory installed)	Textured BK Black WH White BZ Bronze DGY Dark Gray MOT Medium Gray Customer specified RAL Specify optional color or RAL (see RAL7024) CC Custom color (Must supply color chip for required factory quote)

1. 100, 1675, and 2100mA not available with emergency battery backup (EBP).  
2. 2100mA not available with emergency battery backup cold weather (EBPC).  
3. Extended lead times apply. Contact factory for details.  
4. Not available with other control options.  
5. Not available with motion sensor.  
6. Not available with photocell control.  
7. Not available in 347 or 480V.  
8. Available only in 120 or 277V.  
9. Must specify input voltage.  
10. Dimming will not be connected to NEMA receptacle if ordering with other control options.  
11. Not available in 480V.  
12. Not available in 2700K.  
13. Not available with DD and FAWS dimming control options.  
14. Must specify input voltage.  
15. Cannot be combined with HW and BL (IMR3).

PPT\_PureForm\_post\_top 05/20 page 1 of 5

LEGION

LIGHTING CO., INC.

LED

TYPE S6

OUTDOOR WALL CYLINDER - SERIES 162L

LED Outdoor Wall Cylinder Up Or Down Light

Project:

HAPPY VALLEY

Type:

S6

Prepared By:

Date:

Notes:

162L-MS-020L-41-UNV-X-

SHOWN WITH WS OPTIC

SHOWN WITH MS OPTIC

SHOWN WITH NS OPTIC

SHOWN WITH WS OPTIC

SHOWN WITH MS OPTIC

SHOWN WITH NS OPTIC

SHOWN WITH WS OPTIC

SHOWN WITH MS OPTIC

SHOWN WITH NS OPTIC

8 1/2"

10 1/2"

5 1/4"

SHOWN WITH WS OPTIC

SHOWN WITH MS OPTIC

SHOWN WITH NS OPTIC

Example: 162L WS 020L 41 UNV BZ

SERIES	DISTRIBUTION	ENGINE	COLOR TEMP	VOLTAGE	FINISH	OPTIONS
162L	WS 10° reflector MS 70° reflector NS 30° reflector	020L 21 watts @ 41 4100°K	UNV 120-277V	BL Black BZ Bronze C Custom	SP 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	

ORDERING INFORMATION

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

2020-03-05-162L-LED

LEGION LIGHTING CO., INC.

WE GREEN LEGION

RoHS COMPLIANT

LEGION LIGHTING CO., INC.

©2020 Legion Lighting Co., Inc. All rights reserved. Specifications subject to change without notice. sales@legionlighting.com  
221 Glenmore Avenue, Brooklyn, New York 11207 / Info and Sales Call Tel 800.4.LEGION / www.legionlighting.com

NOA

IDA

DLC

UL

PROJECT

CLIENT

SEAL

CONTACT

PHASE

DATA

NO. 20-2006-02

GREYSTAR

ACTIVE

INDEPENDENT

LIVING

Scottsdale, AZ

GREYSTAR

3200 E Camelback Rd., Suite 225  
Phoenix, AZ

10807

ANDREW C. PANOPOL

Professional Engineer

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

Copyright 2020 Todd & Associates, Inc.

01-15-21

REZONING SUBMITTAL #2

-

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  
2/3/2021




HADCO

by @ignify

Landscape

B9 FlexScape LED

Accent line-voltage luminaire



LED

Project:

Location:

Est. No:

Type:

Lamps:

Qty:

Notes:

TYPE S9

example: B9DWA

Ordering guide

Series	Lamping	CCT	Finish	Surge suppressor
B9	D	W	A	blank
B9	D	W	A	blank

Features

1. Housing/Construction: A360 die-cast aluminum, able to remove shroud from housing with 2 screws. Adjustable knuckle stem provides range of rotation, prevents fixture from pointing past vertical. Vibration locking teeth secured by black oxide stainless steel screw. Driver mounts directly to housing for thermal management. All gaskets are 100% molded silicone.

2. Electrical: 34W (on high setting) Input voltage range (VAC): 120-277V. Pre-wired with 12" digital for ease of connection, includes 0-10V Analog Class 2 wiring for dimming, capped off to help prevent cross wiring with line-voltage wires.

3. LED Board: Single COB LED Array.

4. Controls: Class 2 driver with AOC and 0-10V dimming. Design allows easy access to integral switch with 5 preset light outputs, see lumen matrix. Remove lens cap with [2] screws and simply adjust the slider switch by hand.

Lamps

Integral LED module

Options

Optional integral surge protection device provides single phase protection for line / neutral, line / ground, and neutral / ground in accordance with IEEE C62.41 2002C High.

IP66 Rating

Dust tight and sealed against direct jets of water.

Labels

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. 5-year limited warranty.

Lumen matrix

Wattage	Amps		3000K			4000K		
	120V	277V	Narrow	Medium	Wide	Narrow	Medium	Wide
10W	80mA	50mA	995	982	932	1102	1097	1023
13W	110mA	55mA	1427	1409	1337	1580	1573	1467
19W	155mA	75mA	2031	2006	1903	2249	2240	2089
27W	225mA	100mA	2797	2762	2621	3097	3087	2874
33W	275mA	120mA	3271	3230	3065	3622	3598	3372

FluxStream\_LED\_Strip

05/19

page 1 of 6

Day-Brite


CFI

by @ignify

Linear

FluxStream strip

TYPE S7



LED

Project:

Location:

Est. No:

Type:

Lumens:

Qty:

Notes:

TYPE S7

example: FSS440L840-UNV-DIM

Ordering guide - standard & wireless controls

Series	Length (nominal)	Lumens* (nominal)	Color temp. (K)	Voltage	Driver	Options
FSS						
FSS	2' length	200L 2000 lumens 3000K	830 80 CRI 3000K	UNV Universal voltage 120-277V	DIM+ 500M+ Dimming Step dimming to 40% input power	EMLED** LSXR10ADC Factory wired Bodine BSJ310 P integral emergency pack. Nominal 1000lm 120-347V motion sensor, factory installed on end cap
FSS	3' length	300L 3000 lumens 3000K	835 80 CRI 3000K	120-277V	500M+ Dimming Step dimming to 40% input power	UL524 listed Bodine CTD factory installed on driver input
FSS	4' length	400L 4000 lumens 3000K	840 80 CRI 3000K	120-277V	500M+ Dimming Step dimming to 40% input power	UL524 listed Bodine CTD factory installed between driver & sensor
FSS	8' length	800L 8000 lumens 3000K	850 80 CRI 3000K	120-277V	500M+ Dimming Step dimming to 40% input power	Integral Interact Pro RIF sensor, enables wireless connected lighting control
FSS	10' length	1000L 10000 lumens 3000K	850 80 CRI 3000K	120-277V	500M+ Dimming Step dimming to 40% input power	Integral Interact Office daylighting and occupancy sensor, enables wireless connected lighting control
FSS	12' length	1200L 12000 lumens 3000K	850 80 CRI 3000K	120-277V	500M+ Dimming Step dimming to 40% input power	Integral Interact Office daylighting and occupancy sensor, enables wireless connected lighting control
FSS	14' length	1400L 14000 lumens 3000K	850 80 CRI 3000K	120-277V	500M+ Dimming Step dimming to 40% input power	Integral Interact Office daylighting and occupancy sensor, enables wireless connected lighting control

Ordering guide - PoE controls

Series	Length (nominal)	Lumens* (nominal)	Color temp. (K)	Voltage	Driver	Options
FSS						
FSS	4' length	300L 3000 lumens 3000K	830 80 CRI 3000K	LV Low voltage	POE Power over ethernet	IAO Integral Interact Office daylighting and occupancy sensor, enables wireless connected lighting control
FSS	8' length	600L 6000 lumens 3000K	835 80 CRI 3000K	LV Low voltage	POE Power over ethernet	EMPOE** PA BK ST 6000lm Integral emergency driver and battery pack
FSS	12' length	900L 9000 lumens 3000K	840 80 CRI 3000K	LV Low voltage	POE Power over ethernet	PA BK ST 6000lm Integral emergency driver and battery pack
FSS	14' length	1000L 10000 lumens 3000K	850 80 CRI 3000K	LV Low voltage	POE Power over ethernet	PA BK ST 6000lm Integral emergency driver and battery pack

General notes

Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If fatty based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.

PAF (Paint after fabrication) option is required for all products that will be used in a damp or humid location, such as under a canopy or covered parking area.

FluxStream\_LED\_Strip

05/19

page 1 of 6

FSS

FluxStream LED strip

2', 3', 4' and 8'

TYPE S7

example: FSS440L840-UNV-DIM

Features

- Compact design for installation in tight spaces.
- Frosted acrylic diffuser provides wide light distribution and superior glare control.
- Diffuser and LED plate snap into place allowing tool-free access to LED boards and driver.
- 2', 3', 4' and 8' tandem lengths available to accommodate many field applications.
- Up to 100,000 hour predicted L70 LED lumen maintenance provides long service life to reduce maintenance costs.
- Can be surface mounted on ceilings or walls, or suspended via chain, pendants or cables.
- Wall mountable - ADA compliant.
- Ideal for cold applications (-20°C).
- Continuous row mounting using standard end caps. No extra parts needed.
- 7/8" knock out provided at each end and on base of luminaire. Note: Center knockout is covered and not useable in 4' version with EMLED option.
- Multiple driver options available with 0-10V as standard.
- Enclosed lens minimizes penetration of dust, insects, and other debris into the LED compartment.

Electrical

- LED boards and drivers are RoHS (Restriction of Hazardous Substances) compliant. Total system life rated at 50,000 hours. Predicted L70 lifetime based on LED manufacturer's supplied LM-80 data and in-situ laboratory testing.
- Integral emergency driver with EMLED option. To estimate lumen output in emergency mode, multiply emergency pack wattage by efficacy, then by 1.0.
- The GTD/E option is used to bypass wall switches and allow luminaire operation on auxiliary power. Generator transfer requires installation in conjunction with a UL1008 listed device.
- The GTD/SNR option is used to bypass integrated sensor control in the event of utility power loss. Generator transfer requires installation in conjunction with a UL1008 listed device.

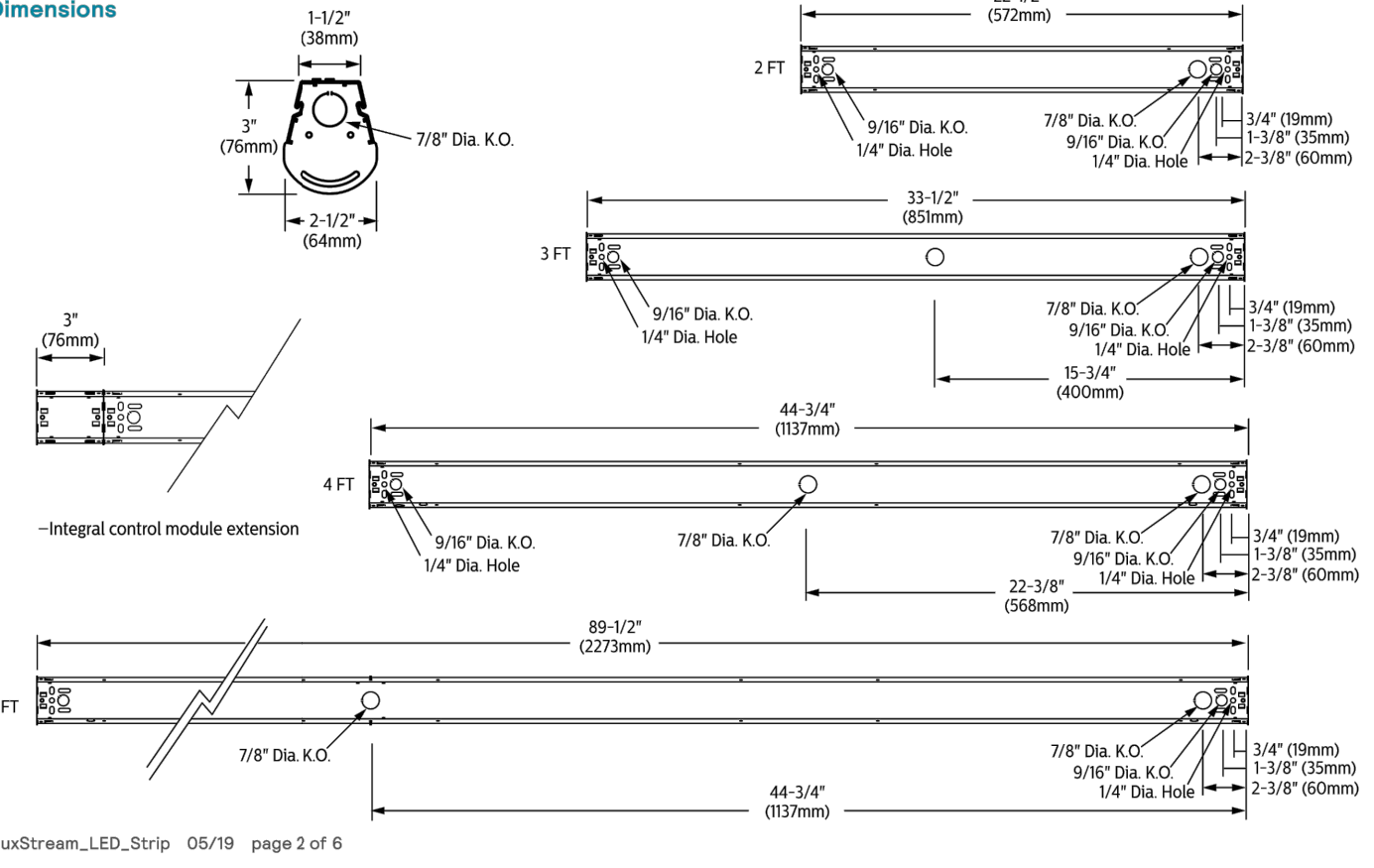
Materials

- Heavy gauge cold rolled steel housing, LED plate, and end caps.
- cETLus listed.
- Suitable for damp locations.

Ambient temperature data

Configuration	Ambient
FSS470L	-20°C to 30°C
FSS810L	-20°C to 35°C
FSS8140L	-20°C to 25°C
EMLED option	Minimum 0°C
All others	-20°C to 40°C

Dimensions



FluxStream\_LED\_Strip

05/19

page 2 of 6

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.)

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" MIN.

30" MAX.

1" GROUT

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

#6 BARE CU. TO REBAR IN FOOTING

24" MIN.

60"

Typical Pole Light Mounting Detail

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

N.T.S.

Notes

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

2. GENERAL CONTRACTOR TO PROVIDE POLE BASE DESIGN SEALED BY REGISTERED ARIZONA STRUCTURAL ENGINEER. REFER TO STRUCTURAL DRAWINGS FOR POLE BASE DETAIL.

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.)

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" MIN.

30"

1" GROUT

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

#6 BARE CU. TO REBAR IN FOOTING

24" MIN.

60"

Typical Post Top Light Mounting Detail

TYPE 'S5'

N.T.S.

Notes

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

2. GENERAL CONTRACTOR TO PROVIDE POLE BASE DESIGN SEALED BY REGISTERED ARIZONA STRUCTURAL ENGINEER. REFER TO STRUCTURAL DRAWINGS FOR POLE BASE DETAIL.


HADCO

by @ignify

Landscape

Bollard

DB30 LED Accent



LED

Project:

Location:

Est. No:

Type:

Lamps:

Qty:

Notes:

TYPE S8

example: DB30 A A0 12L E

Ordering Guide

Product Code	DB30	LED Bollard
Finish	A	Black
Optics	A0	Symmetric
Wattage	12L	9.5W LED
Voltage	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 thermostetting. 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.

Height :	Width :	Bolt Circle:	Anchor Rods:	Base Diameter:	Max. Weight:
31 3/4" (80.65cm)	6" (15cm)	3" (8 cm)	Internal (3) 3/8" dia. x 6" long (1 cm x 20cm)	5" (13cm)	Powdercoat: 15 lbs

© 2019 Signify Holding. All rights reserved. This document may be subject to change. No representation or warranty as to the accuracy or completeness of the information provided herein is given and any liability for any action in reliance thereon is disclaimed. All trademarks are owned by Signify Holding or their respective owners.

Signify North America Corporation

205 Franklin Square Drive

Somerset, NJ 08873

Telephone 855-458-2216

Signify Canada Ltd.

281 Hillmount Road

Markham, ON, Canada L3R 9V3

Telephone 800-868-9008

www.hadco.com

NP

ENGINEERING INC.

4115 N. 15TH AVE.

PHOENIX, AZ 85015

(602) 265-1559

PROJECT NO. 2020-184

16-ZN-2020  
2/3/2021