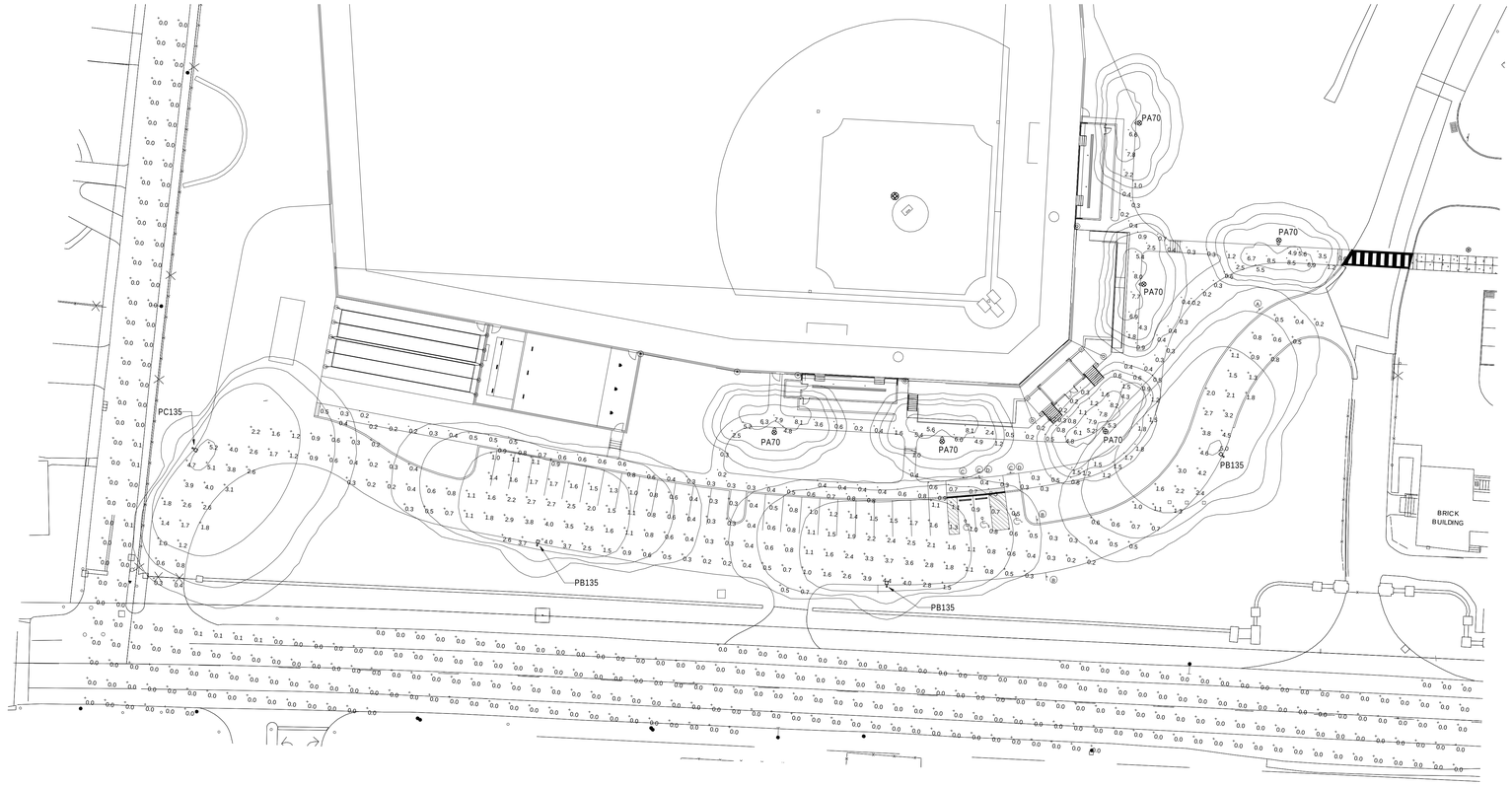
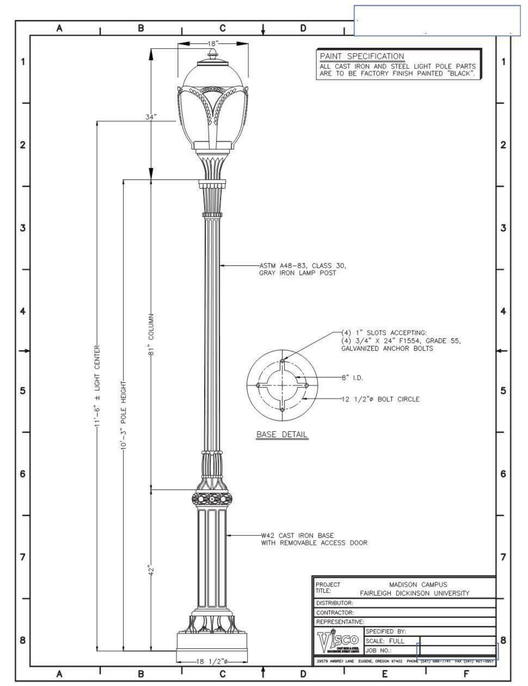


N

1 SITE PLAN - LIGHTING PHOTOMETRICS
SCALE: 1" = 30'-0"



GARDCO by Signify

Site & Area

EcoForm

ECF-S small area light

Gardco EcoForm Gen-2 combines economy with performance in an LED area luminaire. Capable of delivering up to 26,400 lumens or more in a compact, low profile LED luminaire, EcoForm offers a new level of customer value. EcoForm features an innovative retrofit arm kit, simplifying site conversions to LED by eliminating the need to drill additional holes in most existing poles. Integral control systems available for further energy savings. Includes Service Tag, our innovative way to provide assistance throughout the life of the product.

Project:
Location:
Cat.No.
Type:
Lamps: Qty:
Notes:

Ordering guide

example: ECF-S-64L-900-NW-G2-AR-S-120-HIS-MGY

Prefix	Number of LEDs	Drive Current	LED Color - Generation	Mounting	Distribution	Voltage	Options: Dimming controls	Options: Motion sensing lens	Options: Photo-sensing	Options: Electrical	Options: Luminaire	Finish
ECF-S												
ECF-S EcoForm site and area, small	**32L** 32 LEDs (2 modules)	**530** 530mA **700** 700mA **1A** 1050mA **1.2A** 1200mA	**WW-G2** Warm White 3000K, 70CRI Generation 2 **NW-G2** Neutral White 4000K, 70CRI Generation 2 **CW-G2** Cool White 5000K, 70CRI Generation 2	**AR** Arm Mount (standard)[1] *The following mounting kits must be ordered separately (See accessories):* **SF** Slip Fitter Mount[2] (fits to 2 ⅛" O.D. tenon) **WS** Wall-mount with surface conduit rear entry permitted **RAM** Retrofit arm mount kit[3]	**Type 2** 2 Type 2 **2-90** Rotated left 90° **2-270** Rotated right 270° **Type 3** 3 Type 3 **3-90** Rotated left 90° **3-270** Rotated right 270° **Type 4** 4 Type 4 **4-90** Rotated left 90° **4-270** Rotated right 270° **Type 5** 5 Type 5 **5W** Type 5W **AFR** Auto Front Row **AFR-90** Auto Front Row, Rotated left 90° **AFR-270** Auto Front Row, Rotated right 270°	**120** 120V **208** 208V **240** 240V **277** 277V **347** 347V **480** 480V **UNV** 120-277V (50/60Hz) **HVU** 347-480V (50/60Hz)	**DD** 0-10V External dimming (by others)[4] **DCC** Dual Circuit Control[5,6] **FAWS** Field Adjustable Wattage Selector[4,7] **SW** Interface module for SiteWise[8,9,11] **LLC** Integral wireless module[10,11] **BL** Bilevel functionality[12] **DynaDimmer** Automatic Profile Dimming **CS50** Safety 50% Dimming, 7 hours[13] **CM50** Median 50% Dimming, 8 hours[13] **CE50** Economy 50% Dimming, 9 hours[13] **DA50** All Night 50% Dimming[13] **CS30** Safety 30% Dimming, 7 hours[13] **CM30** Median 30% Dimming, 8 hours[13] **CE30** Economy 30% Dimming, 9 hours[13] **DA30** All Night 30% Dimming[13]	**BMR1** Integral with 9'3 lens[14] **BMR7** Integral with 18'8 lens[14] **BARO** Pole-mounted motion sensor[15] (see accessories)	**PCB** Photocontrol Button[15] **TLRDS** Twist Lock Receptacle (-Fx-)[16] **TLRD7** Twist Lock Receptacle (-7Fx-)[16] **TLRPC** Twist Lock Receptacle w/ Photocell[15,16]	**Fusing** **F1** Single (120, 277, 347VAC)[16] **F2** Double (208, 240, 480VAC)[16] **Pole Mount Fusing** **FP1** Single (120, 277, 347VAC)[16] **FP2** Double (208, 240, 480VAC)[16] **FP3** Canadian Double Pull (208, 240, 480VAC)[16] **Surge Protection** (10kA standard) **SP2** Increased 20kA[16]	Square Pole Adapter included in standard product **TB** Terminal Block[17] **RPA** Round Pole Adapter (fits to 3"– 3.9" O.D. pole)[18] **HS** Internal Housing Side Shield[19]	**Textured** **BK** Black **WH** White **BZ** Bronze **DGY** Dark Gray **MGY** Medium Gray **Customer specified** **RAL** Specify optional color or RAL (ex. RAL7024) **CC** Custom color (Must supply color chip for required factory quote)

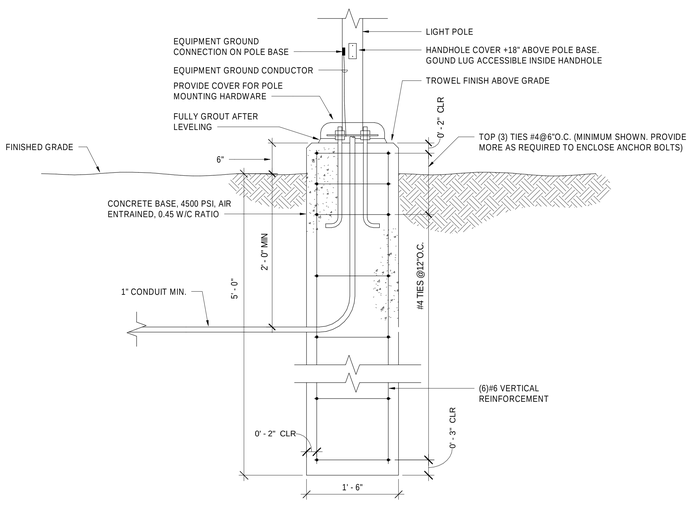
1. BL-IMR3/7 equipped with out-boarded sensor housing when voltage in HVU (347-480V)
2. Mounts to a 4" round pole with adapter included for square poles.
3. Limited to a maximum of 45 degrees aiming above horizontal.
4. Not available with other dimming control options.
5. Not available with motion sensor.
6. Not available with photocontrol.
7. Available only in 120 or 277V.
8. Not available in 347 or 480V
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 with DCC.
13. Not available with SF and WS. RPAs provided with black finish standard.
14. HIS not available with Type 5 and SW optics.
15. Available only with SW, LLC, and BL control options.
16. Available only with SW and BL control options.

ECF-S_EcoForm_area_small 04/19 page 1 of 8

LIGHTING FIXTURE SCHEDULE				
DESIGNATION	MANUFACTURER	MODEL OR SERIES	WATTS	MOUNTING
PA70	PEMCO, VISCO POLE	LEX-NL-C3-70W4K-U-3-A3-T4-NK-BK F-D-UNIV-12	70 W	POLE, 12'-0" AFG BASE 0'-6"
PB135	GARDCO	ECF-S-48L-900-NW-G2-AR-3-UNV-CS50-IMR17-HIS-BK	135 W	POLE, 12'-0" AFG BASE 2'-0"
PC135	GARDCO	ECF-S-48L-900-NW-G2-AR-4-UNV-CS50-IMR17-HIS-BK	135 W	POLE, 12'-0" AFG BASE 2'-0"

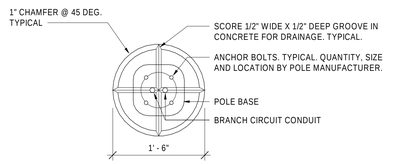
CALCULATION SUMMARY					
DESCRIPTION	AVG	MAX	MIN	AVG/MIN	MAX/MIN
ROADWAY/PARKING	1.5	5.2	0.2	7.5:1	26.0:1
WALKWAY	2.1	8.6	0.2	10.5:1	43.0:1

TOP VIEW

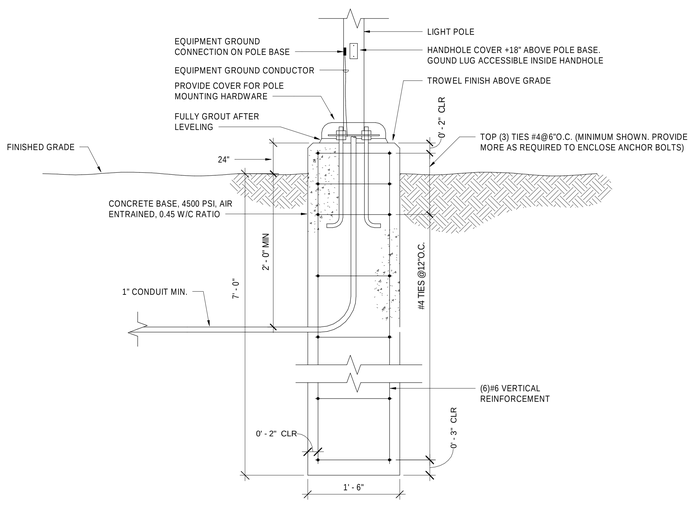


SIDE VIEW

2 TYPICAL POLE BASE DETAIL FIXTURE TYPE PA70
SCALE: 1" = 1'-0"



TOP VIEW



SIDE VIEW

3 TYPICAL POLE BASE DETAIL FIXTURE TYPES PB135 & PC135
SCALE: 1" = 1'-0"

NOT FOR CONSTRUCTION

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1275 Glenlivet Drive
York, PA 17402
717.755.1560
MarylandOffice
913 Ridgebrook Road
Sparks, MD 21152
443.552.1992
www.jdbengineering.com
jdb engineering, inc.

DERCK & EDSON EST. 1940
CAMPUSES DOWNTOWNS ATHLETICS
33 SOUTH BROAD STREET, LITITZ PA 17543
301 N SPRING STREET, SUITE 201, BELLEFONTE, PA 16823
WWW.DERCKANDEDSON.COM (717)626-2004

SITE PLAN - LIGHTING PHOTOMETRICS
AMENDED PRELIMINARY / FINAL SITE DEVELOPMENT PLAN

FAIRLEIGH DICKINSON ATHLETIC FIELDS

FAIRLEIGH DICKINSON UNIVERSITY
LOT 6 / BLOCK 101 - ZONE: UNIVERSITY
200 RIDGEDALE AVENUE, FLORHAM PARK, NJ 07940
MADISON BOROUGH, MORRIS COUNTY, NEW JERSEY

REVISIONS:

No.	DATE	DESCRIPTION OF CHANGES
1	04/15/20	ADDITIONAL LIGHTING INFORMATION

DATE: 03/05/2020
PROJECT #: 190450
DRAWN BY: JST
PM: BEP
PIC: BEP

DRAWING NO.

E002

4/16/2020 10:55:43 AM