COPYRIGHT 2024 GALLO HERBERT ARCHITECTS

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED OR REPRODUCED, OR ITS CONTENTS DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF GALLO HERBERT ARCHITECTS OR ITS CONSULTANTS. THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED OR REPRODUCED, OR ITS CONTENTS DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF GALLO HERBERT ARCHITECTS OR ITS CONSULTANTS. THE CONTRACTOR(S) SHALL VERIFY EXISTING CONDITIONS AND CORRELATE DIMENSIONS PRIOR TO PROVIDING THE WORK DETAILED IN THESE DRAWINGS, AND SHALL PROMPTLY NOTIFY THE DESIGNER OF ANY DISCREPANCIES.

Utilities Structures, Inc.
PO Box 9303
2700 Evans Ave.
Fort Myers, FL. 33901

"Your concrete pole producer since 1988"

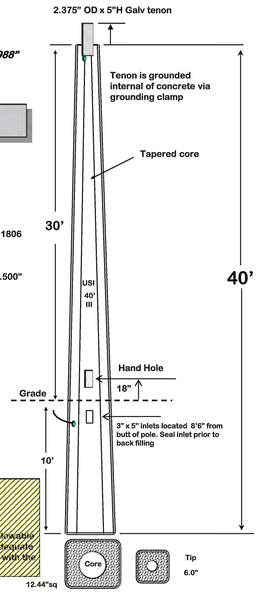
uslpoles@aol.com
www.utilitiesstructures.com

USI40TIII-11686

Prestressed Concrete Pole

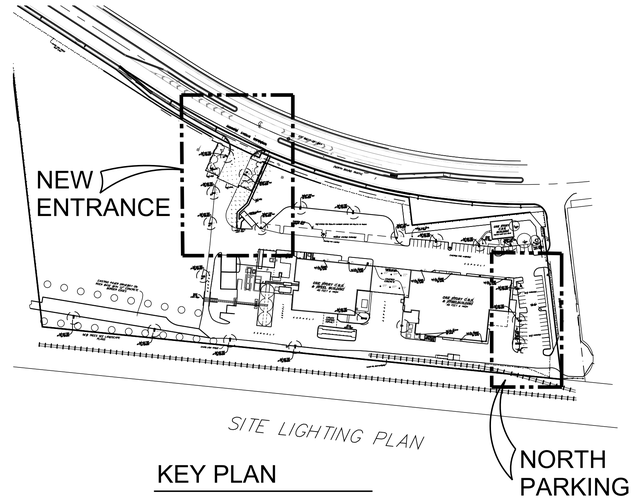
- Pole Weight= 3,280lbs
- Wind speed= 180mph Vult
- Exposure = "C"
- Risk Category II
- Wind Gust = 3 seconds
- 8th Edition 2023 FBC 1620 HVHZ, 1609, 1806
- ASCE 7-22
- Concrete= 7,500lbs @ 28 days
- Grd. Wire= #6 Copper
- Strand= (4) .500" @ 70% Ultimate + (4) .500"
- Tenon= 2.375" x 5" Galv Tenon

MP STRUCTURES
RUTH POWELL, P.E., S.E.



PROJECT:

This pole embedded 10' in to soils with an allowable passive pressure of 300pcf is structurally adequate to resist the local wind speeds Broward Co. with the 3.0sqft spa



KEY PLAN

LIGHT POLE LIGHT TYPES SA, SB & SC, SD, SE. SF.

GARDCO — Site and Area — EcoForm — ECF-L large area luminaire

Gardco EcoForm Gen-2 combines economy with performance in an LED area luminaire. Capable of delivering up to 52,500 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-L-96L-1A-CW-AR-AFR-90-120-DD-PCB-F1-SP1-TB-RPA-HIS-BK

Prefix	Number of LEDs	Drive Current	LED Color – Generation	Mounting	Distribution	Voltage
ECF-L						
ECF-L EcoForm site and area, large	80L 80 LEDs (5 modules) 96 96 LEDs (6 modules)	900 900 mA 1A 1.2A 1200 mA 800 800 mA 1A 1.2A 1200 mA 1.4A[14] 1400 mA	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[1] Arm Mount (standard) The following mounting kits must be ordered separately (See accessories): SF Slip Fitter Mount (fits to 2¹/₄" O.D. tenon) WS Wall mount with surface conduit entry (factory permitted) RAM[1] Retrofit arm mount kit	Type 2 2 2–90 2–270 Type 2 Rotated left 90° Rotated right 270° Type 3 3 3–90 3–270 Type 3 Rotated left 90° Rotated right 270° Type 4 4 4–90 4–270 Type 4 Rotated left 90° Rotated right 270° Type 5 5 5W Type 5 Type 5W AFR Auto Front Row AFR-90 Auto Front Row, Rotated left 90° AFR-270 Auto Front Row, Rotated right 270° BLC Back Light Control BLC-90 Back Light Control rotated at 90° BLC-270 Back Light Control rotated at 270° LCL LEED Corner Optic Left LCR LEED Corner Optic Right	120 120V 208 208V 240 240V 277 277V 347 347V 480 480V UNV 120-277V (50/60Hz) HVU 347-480V (50/60Hz)

Options					
Dimming controls	Motion sensing lens	Photo-sensing	Options	Luminaire	Finish
DD[2,18] 0–10V External dimming (for controls by others) DCC[4,8,9,19] Dual Circuit Control FAWS[4,9,19] Field Adjustable Wattage Selector SRDR[4,8,9,9,19] SR driver connected to Zhaga socket **DynaDimmer: Automatic Profile Dimming** CS50[4,9] Safety 50% Dimming, 7 hours CM50[4,9] Median 50% Dimming, 8 hours CS30[4,9] Safety 30% Dimming, 7 hours CM30[4,9] Median 30% Dimming, 8 hours BL[1,4,7,19] Bi-level functionality WAP[4,8,19] Wireless Interact (includes SR driver and SR receptacle - do NOT select SRDR)	IMR3[6] Integral with #3 lens IMR7[6] Integral with #7 lens LB Low (7'-15' mounting height) sensor, Black color housing Wireless Interact, Integral LW Low (7'-15' mounting height) sensor, White color housing HB High (15'-40' mounting height) sensor, Black color housing HW High (15'-40' mounting height) sensor, White color housing	PCB[8,9] Photocontrol Button TLRD5[8,17] Twist Lock Receptacle 5 Pin TLRD7[8,17] Twist Lock Receptacle 7 Pin TLRPC[4,8,16,17] Twist Lock Receptacle w/Photocell	**Fusing** F1[9] Single (120, 277, 347VAC) F2[9] Double (208, 240, 480VAC) **Pole Mount Fusing** FP1[9] Single (120, 277, 347VAC) FP2[9] Double (208, 240, 480VAC) FP3[9] Canadian Double Pull (208, 240, 480VAC) **Surge Protection** (10kA standard) SP2 Increased 20kA BAC[20,21] Meets the requirements of the Buy American Act of 1933 (BAA)	Square Pole Adapter Included in standard product TB[9] Terminal Block RPA[9] Round Pole Adapter (fits to 3"– 3.9" O.D. pole) HIS[10] Internal House Side Shield	**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 is HVU (347-480V).
2. Mounts to 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. Must specify a motion sensor lens.
8. BL must be combined with Motion sensing lens (IMR3 or IMR7).
9. Not available in 347-480V.
10. Must specify input voltage.
11. TLRD5, TLRD7 and TLRPC receptacle pins 4 & 5 are capped off when ordered with any of the Dimming controls DD or FAWS or LLC.
12. Not available in 480V. Order photocell separately with TLRD5/7.
13. Not available with DC.
14. Not available with SF and WS. RPAs provided with black finish standard.
15. Not available with SD, DCC, FAWS, SRDR, or WAP control options.
16. WAP must be combined with Motion sensing lens LB or LW or HB or HW.
17. When ordering SRDR, controller (by others) to be used on socket must be SR compatible (See specifications for more details). Consult factory for lead time. All 7 pins in NEMA receptacle are connected to SR driver. SRDR not available with TLRD5 or TLRPC.
18. 0–10V dimming driver standard.
19. 120V or 277V only, not available with SRDR or any DynaDimmer options or WAP (due to driver limitations).
20. Extended lead times apply. Contact factory for details
21. Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA-compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (1) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (2) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.

GARDCO — Site and 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 27,800 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-5-120-HIS-MGY

Prefix	Number of LEDs	Drive Current	LED Color – Generation	Mounting	Distribution	Voltage
ECF-S						
ECF-S EcoForm site and area, small	32L 32 LEDs (2 modules) 48L 48 LEDs (3 modules) 64L 64 LEDs (4 modules)	365 365 mA 530 530 mA 700 700 mA 1A 1050 mA 1.2A 1200 mA 900 900 mA 1A 1050 mA 1.2A[14] 1200 mA 900 900 mA 1A[14] 1050 mA	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[1] Arm Mount (standard) The following mounting kits must be ordered separately (See accessories): SF[1] Slip Fitter Mount (fits to 2¹/₄" O.D. tenon) WS Wall mount with surface conduit entry (factory permitted) RAM[1] Retrofit arm mount kit	Type 2 2 2–90 2–270 Type 2 Rotated left 90° Rotated right 270° Type 3 3 3–90 3–270 Type 3 Rotated left 90° Rotated right 270° Type 4 4 4–90 4–270 Type 4 Rotated left 90° Rotated right 270° Type 5 5 5W Type 5 Type 5W AFR Auto Front Row AFR-90 Auto Front Row, Rotated left 90° AFR-270 Auto Front Row, Rotated right 270° BLC Back Light Control BLC-90 Back Light Control rotated at 90° BLC-270 Back Light Control rotated at 270° LCL[18] LEED Corner Optic Left RCL[18] LEED Corner Optic Right	120 120V 208 208V 240 240V 277 277V 347 347V 480 480V UNV 120-277V (50/60Hz) HVU 347-480V (50/60Hz)

Options					
Dimming controls	Motion sensing lens	Photo-sensing	Options	Luminaire	Finish
DD[2,18] 0–10V External dimming (for controls by others) DCC[4,8,9,19] Dual Circuit Control FAWS[4,9,19] Field Adjustable Wattage Selector SRDR[4,8,9,9,19] SR driver connected to Zhaga socket **DynaDimmer: Automatic Profile Dimming** CS50[4,9] Safety 50% Dimming, 7 hours CM50[4,9] Median 50% Dimming, 8 hours CS30[4,9] Safety 30% Dimming, 7 hours CM30[4,9] Median 30% Dimming, 8 hours BL[1,4,7,19] Bi-level functionality WAP[4,8,19] Wireless Interact (includes SR driver and SR receptacle - do NOT select SRDR)	IMR3[6] Integral with #3 lens IMR7[6] Integral with #7 lens LB Low (7'-15' mounting height) sensor, Black color housing Wireless Interact, Integral LW Low (7'-15' mounting height) sensor, White color housing HB High (15'-40' mounting height) sensor, Black color housing HW High (15'-40' mounting height) sensor, White color housing	PCB[8,9] Photocontrol Button TLRD5[8,17] Twist Lock Receptacle 5 Pin TLRD7[8,17] Twist Lock Receptacle 7 Pin TLRPC[4,8,16,17] Twist Lock Receptacle w/Photocell	**Fusing** F1[9] Single (120, 277, 347VAC) F2[9] Double (208, 240, 480VAC) **Pole Mount Fusing** FP1[9] Single (120, 277, 347VAC) FP2[9] Double (208, 240, 480VAC) FP3[9] Canadian Double Pull (208, 240, 480VAC) **Surge Protection** (10kA standard) SP2 Increased 20kA BAC[20,21] Meets the requirements of the Buy American Act of 1933 (BAA)	Square Pole Adapter Included in standard product TB[9] Terminal Block RPA[9] Round Pole Adapter (fits to 3"– 3.9" O.D. pole) HIS[10] Internal House Side Shield	**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 is HVU (347-480V).
2. Mounts to 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. Must specify a motion sensor lens.
8. Not available in 347 or 480V.
9. Must specify input voltage.
10. TLRD5, TLRD7 and TLRPC receptacle pins 4 & 5 are capped off when ordered with any of the Dimming controls DD or FAWS or LLC.
11. Not available in 480V. Order photocell separately with TLRD5/7.
12. Not available with DCC.
13. Not available with SF and WS. RPAs provided with black finish standard.
14. Not available with SD, DCC, FAWS, SRDR, or WAP control options.
15. Not available with DD, DCC, FAWS, SRDR, or WAP dimming control options.
16. WAP must be combined with Motion sensing lens LB or LW or HB or HW.
17. When ordering SRDR, controller (by others) to be used on socket must be SR compatible (See specifications for more details). Consult factory for lead time. All 7 pins in NEMA receptacle are connected to SR driver. SRDR not available with TLRD5 or TLRPC.
18. 0–10V dimming driver standard.
19. LCL and RCL not available with 48L-1.2A or 64L-1A.
20. Extended lead times apply. Contact factory for details
21. Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA-compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (1) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (2) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.

GARDCO — Wall Mount — GeoForm — GWM LED wall sconce

Gardco GeoForm wedge medium LED wall sconce features a geometric wedge shape that will complement a range of architectural styles. GeoForm wedge medium features specialized, highly efficient precision plus optics which balance low glare with excellent performance. Type 2, 3 and 4 optical distributions are available. Emergency battery backup option provides path-of-egress illumination. Multiple control options, including wireless Interact Pro outdoor, further enhance energy savings. Multiple control options, including wireless Interact Pro outdoor, further enhance energy savings.

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

Ordering guide — **example:** GWM-A07-840-T3M-UNV-FAWS-DG

Luminaire	Configuration (nom. lumens)	Color Temperature	Distribution	Voltage	Dimming Controls[1]	Electrical	Options	Finish
GWM								
GWM GeoForm Wedge Medium	A08 2,500 lumens A07 4,000 lumens A08 5,000 lumens A09 6,000 lumens A10[2] 7,500 lumens A11[2] 8,500 lumens A12[2] 9,500 lumens A13[2] 11,000 lumens A14[2] 12,500 lumens	830 (80CRI) 3000K 840 (80CRI) 4000K 740 (70CRI) 4000K 750 (70CRI) 5000K	T2M Type 2 T3M Type 3 T4M Type 4	120 120V 208 208V 240 240V 277 277V UNV 120-277V (50/60Hz) 347 347V 480 480V HVU 347-480V (50/60Hz)	none Leave blank (10kV/4A dimming driver standard) DLEA[2] Dimming Leads Externally Accessible (controls by others) DUOC[1,2] Dual Circuit Control (Only available with A06-A09) FAWS[2] Field Adjustable Wattage Selector MW30[2,3] Microwave motion sensor factory set at 30% dimming DynaDimmer: Automatic Profile Dimming Only offered with A08-A13 CS50[2,4,4] Safety 50% dimming, 7 hours CM50[2,3,4] Median 50% dimming, 8 hours CS30[2,4,4] Safety 30% dimming, 7 hours CM30[2,3,4] Median 30% dimming, 8 hours	none Leave blank (10kV/4A standard) SP2 Surge protector (120, 277, or 347VAC) FS2 Double fuse (208V, 240V, or 480V) FS3 Double fuse Canadian double pull (208V, 240V, or 480V) PCB[5] Photocontrol Button	none Leave blank EC Emergency battery pack, cold rated (-20°C to 40°C), 120 or 277V only. BAC[6] Meets the requirements of the Buy American Act of 1933 (BAA)	**Textured** BK Black WH White BZ Bronze DG Dark Gray MG Medium Gray **Customer specified** RAL Specify optional color or RAL; (ex: DC-LGP or OC-RAL7024) CC Custom Color (must supply color chip, requires factory quote)

1. Emergency Battery Pack not available.
2. Only one option can be selected from Dimming Controls column.
3. Not available in 480V.
4. Only available from 120–277V, or in UNV.
5. Only available from 120-277V, must specify voltage.
6. Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA-compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (1) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (2) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.
7. Consult Signify to confirm whether specific accessories are BAA-compliant.

Luminaire Accessories (order separately)[7]

GF-WS-BK	Wall Mounted Box for surface conduit, painted black
GF-INV	Inversion Mounting kit (required with inverted mounting)

LIGHT CUT SHEETS

GHA GALLO HERBERT ARCHITECTS
5511 NORTHPORT CENTER DRIVE SHELLEY BEACH, FL 33463
954.794.0300 FAX 954.794.0301

AA26001731

SEAL
WILLIAM J. GALLO FL AR0008440
Brian Herbert Digitally signed by Brian Herbert Date: 2024.10.09 15:08:20 -04'00'
BRIAN P. HERBERT FL AR0015474

PROJECT

DRC
PZ23-12000032
12/04/2024

BONSAL TURN LANE
1201 NW 14TH ST
POMPANO BEACH FL 33069

OWNER

OLDCASTLE APG

REVISIONS

No.	Description	Date
	MINOR SITE SBMTL	07-19-2023
	MINOR SITE SBMTL	06-25-2024
	MINOR SITE SBMTL	09-30-2024

PROJECT STATUS
MINOR SITE PLAN SUBMITTAL

DATE
JUNE 25, 2024

PROJECT NUMBER
2123

SCALE
AS SHOWN

DRAWN BY JET — CHECKED BY

DRAWING TITLE
SITE LIGHTING PHOTOMETRIC PLAN

DRAWING NUMBER
SL-2