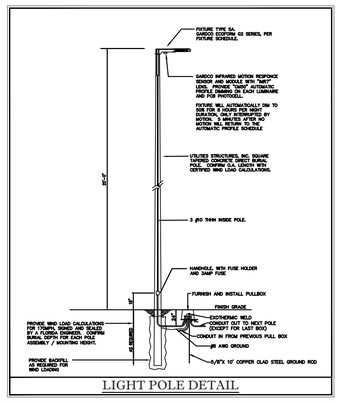
GARDCO FIXTURE



LIGHT POLE DETAIL

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-54L-9DO-NW-G2-AR-S-120-HS-WG7

Series	Number of LEDs	Drive Current	Color Temp	Generation	Mounting	Options	Finish
ECF-S EcoForm area arm small	32L 32 LEDs (2 modules)	350 350 mA 530 530 mA 700 700 mA 1.0A 1000 mA	NW-G2 Neutral White 4000K, 70 CRI Generation 2	Arm Mount (standard). Specify one of the following mounting options for use with the appropriate arm.	Type 2 A, B, C, D, E, F, G Rotated right 90°	ATR Auto Front Row ATR-RS Auto Front Row Rotated left 90° ATR-270 Auto Front Row Rotated right 270°	700 700V 208 208V 240 240V 277 277V 480 480V 347 347V HVG 120-277V (50/60Hz) 480 480V (50/60Hz)
	48L 48 LEDs (3 modules)	900 900 mA 1.0A 1000 mA	WW-G2 Warm White 3000K, 70 CR Generation 2	Pole Mount Fixtures	Type 3 A, B, C, D, E, F, G Rotated left 90° Rotated right 270°	BLC Back Light Control (Houseside Shield) BLC-RS Back Light Control Rotated left 90° BLC-270 Back Light Control Rotated right 270°	
	64L 64 LEDs (4 modules)	900 900 mA 1000 1000 mA	CW-G2 Cool White 5000K, 70 CRI Generation 2	Mast Arm Fixtures (Requires optional mast arm mount kit)	Type 4 A, B, C, D, E, F, G Rotated left 90° Rotated right 270°	VOL* Volcanic Glass Cover. LEDG Corner Optic Style*	
					Type 5 Type 5W		

Mounting controls	Motion sensing lens	Photo sensing	Options	Luminaire	Finish
SD** 0-10V External dimming (not required by ESTAR)		PCR** Photocontrol Button	Fusing FF Single (208, 240, 347VAC)	Square Pole Adapter (standard if ordered separately)	Textured TGM Gray TBK Black TBZ Bronze TSV Silver TMP Medium Gray
DOC*** Dual Circuit (Control Half Luminaire Wattage Reduction)		TLRSD** Twist Lock Receptacle Only	FFF Double (208, 240, 480VAC)	TBP* Terminal Block	
FAWS*** Wireless Enabled		TLRSDC** Twist Lock Receptacle Only & Photocontrol	FFFF Double (208, 240, 480VAC) Individually Fused	RPA* Round Pole Adapter (Fits to 4" O.D. Tenon)	
SMSR***** 3R driver connected to Ztrego receiver		TLRSPCR** Twist Lock Receptacle & Photocontrol	Pole Mount Fusing FFSF Single (208, 240, 347VAC) Fused	HSP* Internal House Side Shield	Customer specified RAL Specify powder coat color at RAL location (Add "RAL" to end of number)
DynaDimmer: Automatic Profile Dimming			FFFSF Double (208, 240, 480VAC) Individually Fused		CC Custom color (Proof supply required)
CMSD** Motion 50% Dimming, 8 hours			FFFF Double (208, 240, 480VAC) Individually Fused		Not required for factory paints)
CSSD** Safety 50% Dimming, 8 hours			**Surge Protection (SPA standard)**		
CMSH** Motion 50% Dimming, 8 hours			SPX Increased 20kA		
BL**** Bi-level functionality	WHSP* Integral with #3 lens WHSP7* Integral with #7 lens		MAS*** Meets the requirements of the Buy American Act of 1933 (BAA)		
WAP*** Wireless Interact (Includes Ztrego SMSR sensor, requires an IoT select GRDN)	LS Low (7-16' mounting height) Integral lens (standard) Wireless Interact, Integral				
	LM Low (7-16' mounting height) Wireless Interact, Integral				
	HS High (16'-40' mounting height) Integral lens (standard)				
	HM High (16'-40' mounting height) Wireless Interact, Integral				

1. BL-WHSLT equipped with out-boarded sensor housing when ordered with WAP option.
2. Mounting is 4" round pole with adapter included for square poles.
3. Not available with 347V, 480V, or HVG voltage.
4. Not available with other dimming control options.
5. Not available with fusing options.
6. Not available with photocontrols.
7. Not available with Surge Protection.
8. Not available in 64Fx or 48D.
9. Not available with Type 5 or 5W.
10. Not available with WAP, WHSP, WHSP7, SMSR, CMSD, CSSD, CMSH, BL, SD, DOC, FAWS, SMSR, TLRSD, TLRSDC, TLRSPCR, TBP, or HSP options.
11. Not available in 64L Driver enclosure separately with TLRSD.
12. Not available with SD-0-10V.
13. Not available with Type 5 or 5W. NPA provided with black finish standard.
14. Not available with Type 5W BLC-RS-S, BLC-S-RS, BLC-270-S, LSL or RSL optics.
15. Not available with SH, SVS, HWM, SWM, or MWF shielding source options.
16. When ordering WAP, luminaire must be ordered with SD-0-10V option.
17. When ordering WAP, luminaire must already to be used as a master.
18. Not available with Type 4 optics. Not available with Type 2 optics in factory for lead time. All 7 arm is HSMA receptacle is connected to the luminaire. Not available with TLRSD or TLRSDC.
19. Not available with Type 4 optics.
20. Not available in 64L Driver enclosure with 2.5A or 3.0A.
21. Not available in 64Fx Driver enclosure separately with TLRSD.
22. Not available with SD-0-10V.
23. Not available with WAP, WHSP, WHSP7, SMSR, CMSD, CSSD, CMSH, BL, SD, DOC, FAWS, SMSR, TLRSD, TLRSDC, TLRSPCR, TBP, or HSP options.
24. Extended lead times apply. Contact factory for details.
25. Buy American Act of 1933 (BAA) - Products manufactured in the United States of America and meet the Buy American Act of 1933 (BAA) requirements when sold to any entity in the United States unless (1) the application of, or exemption to, all or certain items in the Act is waived by the Federal Government, (2) the cost of the domestic components is unreasonable, or (3) the articles, materials, or supplies are not mined, produced, or manufactured in the United States in sufficient and reasonably available commercial quantities and of a satisfactory quality. Applies to projects funded by the Department of Transportation or other federal agencies.

ECF-S_EcoForm_area_small 04/24 page 1 of 9

interact

DARKSKY APPROVED

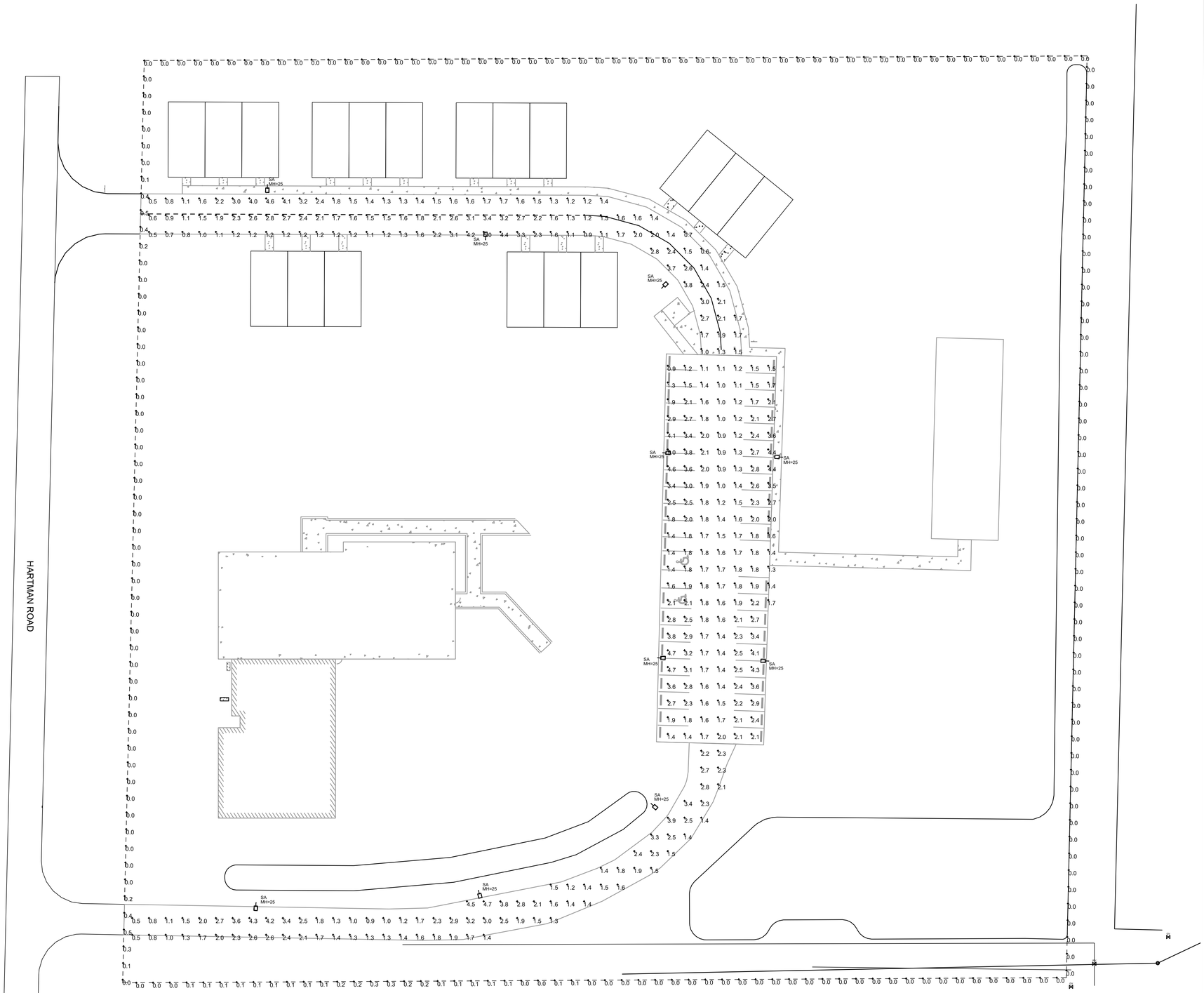
DLC LISTED

DLC PREMIUM

cULus LISTED

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PROPERTY LINE	Illuminance	Fc	0.03	0.5	0.0	N.A.	N.A.
DRIVE	Illuminance	Fc	1.85	5.0	0.5	3.70	10.00
PARKING	Illuminance	Fc	2.49	5.0	0.9	2.77	5.56

Luminaire Schedule									
Symbol	Qty	Label	[MANUFAC]	Description		Arr. Lum. Lumens	LLF	Lum. Watts	Total Watts
	10	SA	Gardco	ECF-S-32L-1_2A-NW-G2-2-HS	POLE MOUNT 20' AFG	11627	0.900	121.6	1216



SITE PHOTOMETRIC PLAN

NORTH

1"=30'-0"

revision	date
1	
2	
3	
4	

PRECISION TECHNICAL
PO BOX 12823
FORT PIERCE, FL 34979
Jeffrey Miller, PE
jeff@precisiontechnical.com
772-528-0416

project title:
GRACEWAY VILLAGE - PHASE 1
1780 Hartman Rd. Fort Pierce, FL 34947

sheet title: **SITE PHOTOMETRIC PLAN**

projt. no.:	2026-0013
project manager:	JM
scale:	AS NOTED
date:	03/20/2026

sheet

E1.1