Drawn By: ZAK
Checked By: ENB
Approved By: ENB

GARDCO

Site and Area

OptiForm

OPF-S Small

Gardco OptiForm site and area luminaires are available in three sizes: small, medium and large. Featuring the latest in LED technology, OptiForm achieves up to 192 lumens per watt. Eleven optical distributions are available, suitable for a range of outdoor lighting applications. OptForm features a unique mounting system with a two-piece housing for hassle-free installation. Mounting options include a standard arm, mast arm, and wall mount bracket. Service Tag is a standard feature with every OptiForm luminaire, providing maintenance or upgrade assistance throughout the life of the product.

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

Ordering guide

example: OPF-S-A01-840-T4M-AR1-120-BL50-L3-BZ

Luminaire	Configuration (nom. lumens)		Color Temperature	Distribution		Mounting	Voltage
OPF-S							
OPF-S OptiForm Small Area	Site and Area	Precision Plus[16] (T2M, T3M, T4M, T5M only)	827[1] 80CRI 2700K	AFR Autofront row	LCL LEED corner optic left	AR1[2,17] Arm mount (standard)	120 120V
	A01 7,000 lumens	P01 2,500 lumens	830 80CRI 3000K	T2M Type 2 medium	LCR LEED corner optic right	MAR[3] Mast arm	208 208V
	A02 9,000 lumens	P02 4,000 lumens	840 80CRI 4000K	T3M Type 3 medium	BLC Back light control	WAL Wall mount	240 240V
	A03 11,000 lumens	P03 6,500 lumens	727[1] 70CRI 2700K	T4M Type 4 medium	2RL Type 2 rotated left 90°	MOS[4] Mounting ordered separately	277 277V
	A04 15,000 lumens	P04 9,000 lumens	730 70CRI 3000K	T4W Type 4 wide	2RR Type 2 rotated right 270°		347 347V
	A05 17,000 lumens	P05 11,500 lumens	740 70CRI 4000K	T5N Type 5 narrow	3RL Type 3 rotated left 90°		480 480V
	A06 19,000 lumens	P06 14,000 lumens	750 70CRI 5000K	T5M Type 5 medium	3RR Type 3 rotated right 270°		UNV 120-277V
	A07 20,000 lumens	P07 16,500 lumens		T5W Type 5 wide	4RL[1] Type 4 rotated left 90°		HVU[15] 347-480V
		P08 19,000 lumens			4RR[1] Type 4 rotated right 270°		
		P09 22,000 lumens					

Dimming Controls		Sensing	Options (electrical, mechanical, etc)	Emergency	Finish
The following options include 0-10V Driver			None Surge protector 10kV/10kA standard	EM[12,14,15] Emergency Battery Pack (0-40 °C) Available with precision plus optics P01-P03 only	**Standard textured finish**
none	0-10V dimming driver		SP2 Surge protector 20kV/10kA (option)		BK Black
DLEA[9,10]	Dimming leads externally accessible (controls by others)		FS1[11] Single fuse (120, 277, or 347VAC)		WH White
FAWS[5,6,10]	Field adjustable wattage selector		FS2[11] Double fuse (208, 240, or 480V)		BZ Bronze
BL50[5,7]	Bi-level with motion sensor	L2 PIR sensor, #2 lens (Required if BL50 is selected)	PCB[11,12] Photocontrol button connected to 0-10V driver		DG Dark Gray
		L3 PIR sensor, #3 lens (Required if BL50 is selected)	TR5 NEMA Twist-lock 5-pin receptacle connected to 0-10V driver		MG Medium Gray
The following options include SR/DALI Driver		**WIAP sensor options**	TR7[13] 7-pin twist lock receptacle connected to D4i compliant driver		**Customer specified**
WIAP[5,8,13]	Wireless Interact (includes SR drive and SR receptacle)	LB Low (7'-15' mounting height) sensor, black color housing, wireless Interact, integral	TLP[11,13] 7-pin twist lock receptacle connected to D4i compliant driver w/ 3-pin photocell		OC Special optional color or RAL, consult factory
SRDR[5,8,13]	SR driver connected to Zhaga socket (D4i)	LW Low (7'-15' mounting height) sensor, white color housing	EHS Housing machined to accept external house side shield for field install. Must be combined with OPF-S-EHS-1 accessory.		SC Special color (must supply color chip, requires factory quote)
DynaDimmer: Automatic Profile Dimming		HB[1] High (15'-40' mounting height) sensor, black color housing	BAC[1,18] Meets the requirements of the Buy American Act of 1933 (BAA)		
CS50[5,13]	Security 50% dimming, 7 hours	HW[1] High (15'-40' mounting height) sensor, white color housing			
CM50[5,13]	Median 50% dimming, 8 hours				
CS30[5,13]	Security 30% dimming, 7 hours				
CM30[5,13]	Median 30% dimming, 8 hours				

1. Extended leadtime applies. Consult factory for details.
2. Mounts to a square pole with knockout for 4-5" OD round pole.
3. Mounts to a horizontal 2-3/8" OD x 5" Long tenon.
4. Must be ordered with mounting accessory. Photocell option (TR7) must be selected with mounting accessory. See Page 2 for options.
5. Not available with other dimming control options (mutually exclusive).
6. Not available with motion sensor (physical restriction).
7. Must be specified with a motion sensor lens (L2).
8. Not available with PCB, TR5.
9. Must be specified with a motion sensor LW, LB.
10. Not available with TR7, TLP.
11. Must specify input voltage.
12. Not available in HVU [347-480V].
13. Not available with lumen packages P01, P02 in UNV [120-277] and with lumen packages A01-A03, P01-P05 in HVU [347-480].
14. Not available for lumen packages P04-P09.
15. Not available with Dynadimmer, SRDR, FAWS, FS1, FS2, DLEA, BL50 (physical restriction).
16. Precision Plus Optics (P01-P09) available only with T2M, T3M, T4M, and T5M optical distributions and are non-rotatable.
17. OPF-RMB accessory recommended for retrofit applications.
18. 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 (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) 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.

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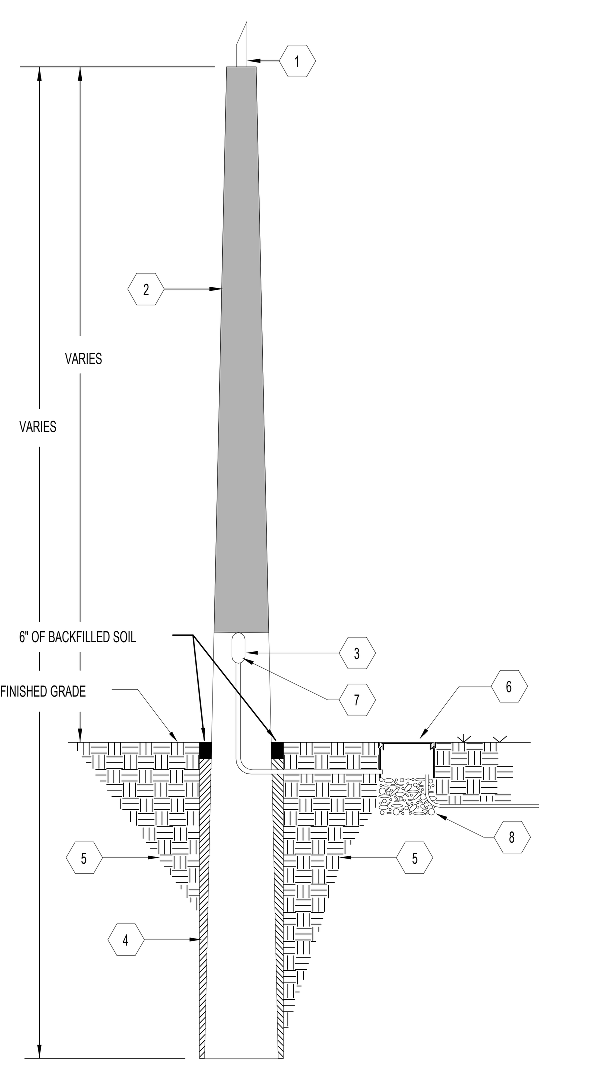
interact | DARKSKY APPROVED Reduces light pollution Certified by DarkSky.org | D4i | DLC LISTED | DLC LISTED PREMIUM | cULus



\# CONCRETE POLE NOTES

1. 2-3/8" TENON (VERIFY) WITH PROVISION FOR WIRING. TENON SHOWN FOR SITE LIGHTING POLE SHALL BE COORDINATED WITH THE FIXTURE MANUFACTURER.

2. PRECAST TAPERED CONCRETE POLE SHALL BE TYPE II WITH AN ALTERMATE BREAKING STRENGTH OF 2,400 POUNDS. POLE INSTALLATION SHALL UTILIZE A AUGERED HOLE WITH A DIAMETER AS SMALL AS POSSIBLE TO ALLOWFOR POLE INSTALLATION WITH MINIMUM DISRUPTION OF EXISTING SOIL COMPACTION.

3. WIRING HANDHOLE - MINIMUM 3" x 5" WITH STAINLESS STEEL COVER AND TAMPER PROOF SCREWS.

4. BACKFILL AUGER HOLE WITH 3200 PSI CONCRETE MIX.

5. EXISTING UNDESTRUBED SOIL CONDITION SHALL BE MAINTAINED.

6. INGROUND OPEN BOTTEM PRECAST POLYMER HANDHOLE (9"W X 11"L X 7"D) WITH TRAFFIC COVER, AS MANUFACTERED BY "STRONGWELL/QUAZITE" #94047739.

7. PROVIDE SURGE SUPPRESSER IN EACH POLE HANDHOLE; PHASE TO PHASE AND PHASE TO GROUND; SQUARE-D "SP" SERIES WITH INDICATER.

8. CRUSHED STONE (6" DEEP MIN.).

GENERAL NOTES:

1. PROVIDE SHOP DRAWINGS AND CALCULATIONS WITH A SEAL, SIGNED BY A STATE OF FLORIDA REGISTERED PROFESSIONAL ENGINEER CERTIFYING THAT THE FOUNDATION AND THE POLE/FIXTURE ASSEMBLY MEETS OR EXCEEDS FLORIDA BUILDING CODE REQUIREMENTS FOR THE LISTED WIND LOADING.

2. EXPOSED CONDUIT AND/OR JUNCTION BOXES ARE NOT ACCEPTABLE.

2 25' DIRECT BURIAL CONCRETE POLE INSTALLATION - REHAB

12" = 1'-0" 0' 4' 8' 16' 24'

Luminaire Schedule									
Symbol	Qty	Label	Arrangement	Lum. Lumens	LLF	Luminaire Watts	Total Watts	Description	[MANUFAC]
	11	LB	Single	1102	1.000	12	132	ACM-BHF-RD-40-12W-TBR-CA-DIM-30K	EVERGREEN LIGHTING
	31	PG1	Single	5589	1.000	48.4	1500.4	SVPG-6L-840-5RD	Gardco by Signify
	1	SL1	Single	9420	1.000	63.59	63.59	OPF-S-A03-840-T4W	SIGNIFY CANADA LTD
	4	SL1 EXISTING	Single	12690	0.750	90.68	362.72	OPF-S-A04-830-T5W	SIGNIFY CANADA LTD
	5	SL1 EXISTING (2)	Back-Back	12690	0.750	90.68	906.8	OPF-S-A04-830-T5W	SIGNIFY CANADA LTD
	2	SPL1 EXISTING	Single	4933	0.750	51	102	PPT-196L-1150-WW-G2-2-UNV	GARDCO

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Grid Z
DRIVE	Illuminance	Fc	2.27	3.5	1.2	1.89	2.92	0
PARKING	Illuminance	Fc	4.69	8.3	1.1	4.26	7.55	0
WALKWAY	Illuminance	Fc	1.98	29.1	0.0	N.A.	N.A.	0
COVERED PARKING	Illuminance	Fc	5.61	8.3	1.4	4.01	5.93	

TARGETING:
IESNA STANDARDS
OPEN PARKING 0.2 FC MIN, 20:1 MAX:MIN
COVERED PARKING GARAGE 0.9 FC MIN, 10:1 MAX:MIN

NOTES:
- WHEN THE LLF IS NOT .9 OR 1.0 THE WATTAGE INFORMATION WILL NOT BE CORRECT
- MOUNTING DETAILS TO BE PROVIDED BY OTHERS
- LUMINAIRES PLACED IN SPECIFIED LOCATIONS AT SPECIFIED MOUNTING HEIGHTS
- LUMINAIRE OUTPUTS PROPOSED (LB/PG1/SL1) AND SPECIFIED (SL1 EXISTING / SPL1 EXISTING)
- TYPE LB DEFINED AS SPECIFIED (REP PROVIDED IES FILE)
- EXISTING LOCATIONS WITH ADJUSTED LLF (ALL VALUES APPROXIMATE)

1 REHAB PARKING LOT - PHOTOMETRICS

1" = 20'-0" 0' 4' 8' 16' 24'

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TLC Project No. : 925857
THINK. LISTEN. CREATE.

SARASOTA MEMORIAL HEALTH CARE SYSTEM

Venice Hospital Rehab Pavilion

2600 Laurel Rd. E., North Venice, FL 34275

Emory Neal Boothe, P.E.
Florida License #54603

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EMORY NEAL BOOTHE LICENSE No 54603 STATE OF FLORIDA PROFESSIONAL ENGINEER

Emory N Boothe

Revision		
No.	Date	Description

SITE PHOTOMETRICS - REHAB PARKING

E007

Site Photometrics
02/20/26

This Line is 3 Inches When Printed Full Size

Autodesk Docs://SMH Venice R25/925857-SMHV-Inpatient Rehab MEPFP R25.rvt

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