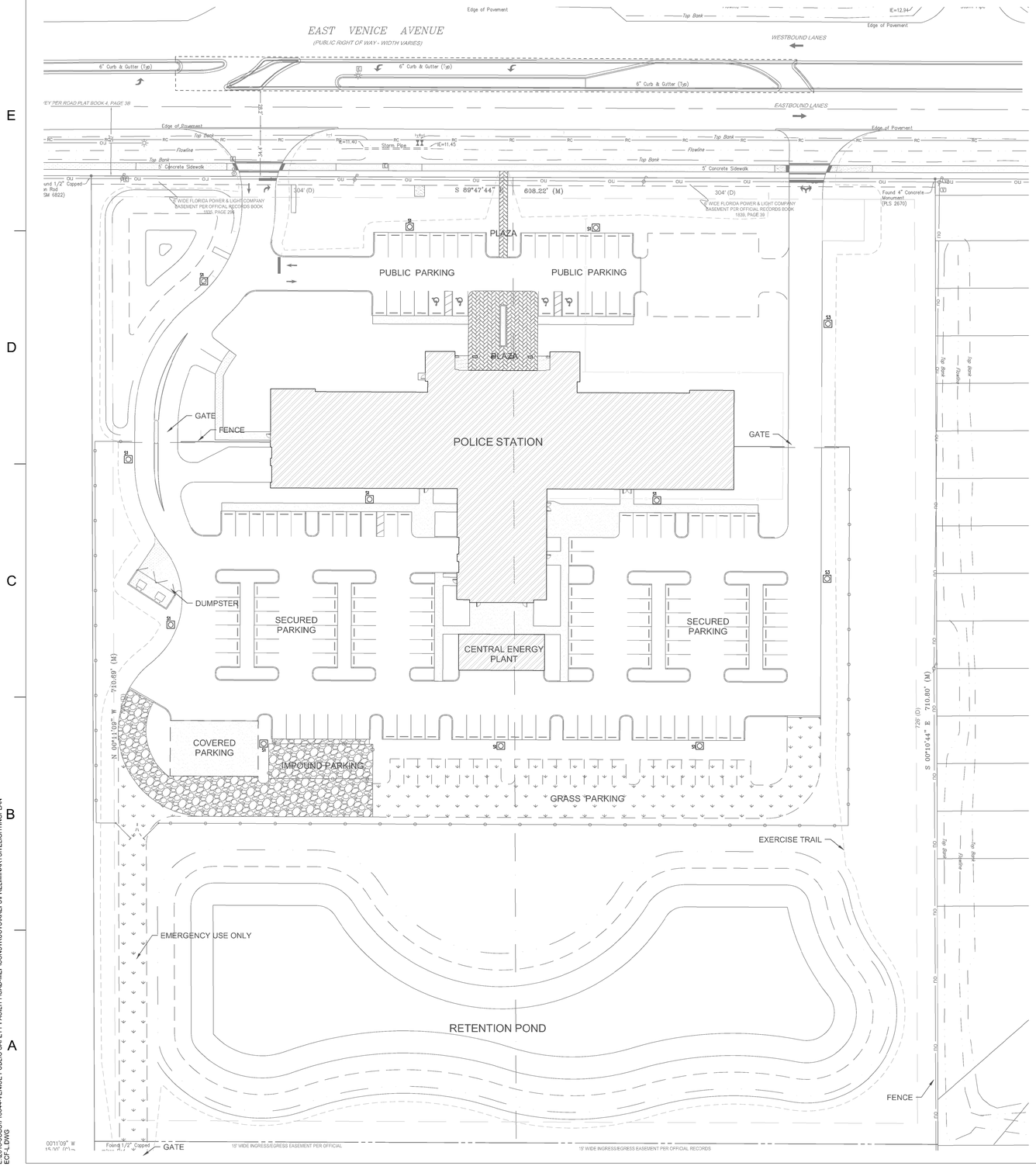

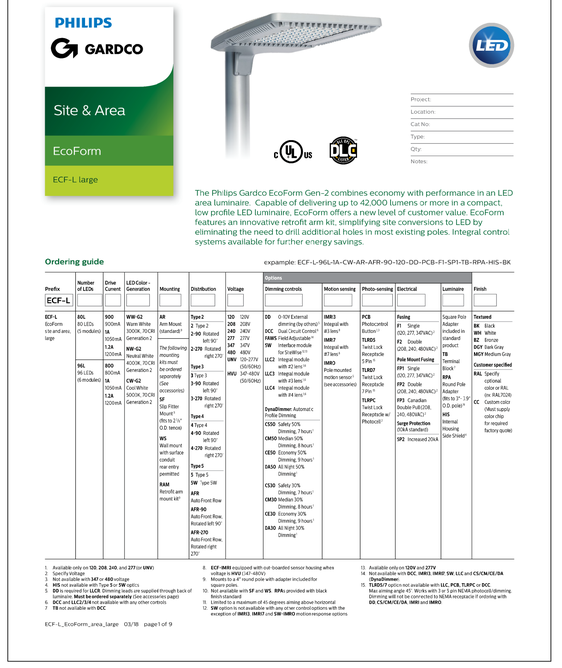

The Philips Gardco EcoForm Gen-2 combines economy with performance in an LED area luminaire. Capable of delivering up to 42,000 lumens or more in a compact, low profile LED luminaire, EcoForm offers a new level of customer value. EcoForm features an innovative retrofit arm kit, simplifying site conversions to LED by eliminating the need to drill additional holes in most existing poles. Integral control systems available for further energy savings.

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	Options: Dimming controls	Motion sensing	Photo-sensing	Electrical	Luminaire	Finish
ECF-L												
ECF-L EcoForm s to and area, large	80L 80 LEDs (5 modules)	500 500mA 1A 1050mA 1.2A 1250mA	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)[4] *The following mounting kits must be ordered separately (See accessories)* SF Slip Fitter Mount[4] (fits to 2 ⅛" O.D. tenon) WS Wall mount with surface conduit entry rear entry permitted RAM Retrofit arm mount kit[4]	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 SW Type SW 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)[5] DCC Dual Circuit Control[6] FAWS Field Adjustable[7] SW Interface module for SiteWise[11] LLC2 Integral module with 42 lens[11] LLC3 Integral module with 63 lens[11] LLC4 Integral module with 84 lens[11] DynaDimmer Automatic Profile Dimming CS50 Safety 50% Dimming, 7 hours[7] CM50 Median 50% Dimming, 8 hours[7] CE50 Economy 50% Dimming, 9 hours[7] DA50 All Night 50% Dimming[7] CS30 Safety 30% Dimming, 7 hours[7] CM30 Median 30% Dimming, 8 hours[7] CE30 Economy 30% Dimming, 9 hours[7] DA30 All Night 30% Dimming[7]	IMR3 Integral with 3 lens[11] IMR7 Integral with 7 lens[11] IMR3 Pole-mounted motion sensor[11] (see accessories)	PCB Photocontrol Button[12] TLRDS Twist-Lock Receptacle 5 Pin[13] TLR07 Twist-Lock Receptacle 7 Pin[13] TLRPC Twist-Lock Receptacle w/ Photocell[13]	Fusing F1 Single (120, 277, 347VAC)[7] F2 Double (208, 240, 480VAC)[7] F3 Double (208, 240, 480VAC)[7] F93 Canadian Double Pull (208, 240, 480VAC)[7] Surge Protection (CSA standard) SP2 Increased 20kA	Square Pole Adapter included in standard product TB Terminal Block[7] RPA Round Pole Adapter (fits to 3"- 12" O.D. pole)[7] HIS Internal Housing Side Shield[8]	Textured BK Black WH White BZ Bronze DGY Dark Gray MGY Medium Gray Customer-specified RAL Specify optional color or RAL (ex: RAL7035) CC Custom color (Must supply color chip for required factory quote)

1. Available only on **120**, **208**, **240**, and **277** (or **UNV**).
2. Specify Voltage
3. Not available with **347** or **480** voltage.
4. **SF** not available for **ECF-L** graphics
5. **DD** not available for **LLC3**. Dimming leads are supplied through back of luminaire. **Must be ordered separately** (See accessories page)
6. **DCC** and **LLC2/3/4** not available with any other controls
7. **TB** not available with **DCC**
8. **ECF-IMR3** equipped with out-boarded sensor housing when voltage is **HVU** (347-480V)
9. Mounts to a 4" round pole with adapter included for tenon mounting
10. Not available with **SF** and **WS**. **RPA** provided with black finish standard
11. Limited to a maximum of 45 degrees aiming above horizontal
12. **SW** option is not available with any other control options with the exception of **IMR3**, **IMR7** and **SW**-**IMR3** motion response options.
13. Available only on **120V** and **277V**
14. Not available with **DCC**, **IMR3**, **IMR7**, **SW**, **LLC** and **CS/CM/CE/DA** (**DynaDimmer**)
15. **TLRDS** option not available with **LLC**, **PCB**, **TLRPC** or **DCC**

ECF-L_EcoForm_area_large 03/18 page1 of 9

Luminaire Schedule

Symbol	Qty	Arrangement	Mounting Ht	LLF	Description	Lum Lumens	Lum Watts
S1	9	SINGLE	25'-0"	0.900	ECF-L-80L-1_2A-NW-G2-4	33814	289.0416
S2	1	SINGLE	25'-0"	0.900	ECF-L-80L-1_2A-NW-G2-5	35733	289.0416
S3	2	SINGLE	25'-0"	0.900	ECF-L-80L-1_2A-NW-G2-3	33202	289.0416

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Parking	Illuminance	Fc	2.14	7.2	0.6	3.57	12.00

NOTE:
ALL SITE LIGHTING FIXTURES SHALL BE FULL CUT-OFF AND AIMED IN A DOWNWARD DIRECTION.

Dewberry

Dewberry Engineers Inc.
2201 Cantu Court
Suite 107
Sarasota, FL 34232
941.702.9670
FL. C.A. 00008794

TLC ENGINEERING FOR ARCHITECTURE
6371 Business Blvd.
Suite 108
Sarasota, Florida 34240
Phone: 941-217-5200
Fax: 239-275-3511
www.tlc-engineers.com

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EB #0000015 TLC NO. 718001

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

CITY OF VENICE
CITY OF VENICE
PUBLIC SAFETY
FACILITY

CITY OF VENICE
FLORIDA

SITE & DEVELOPMENT PLAN

SEAL

This item has been electronically signed and sealed by Brett Sands, PE on 09-10-2018 ,using a Digital Signature.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

BRETT L. SANDS LICENSE No. 48477 STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE

0' 20' 40' 80'

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY DRJ
APPROVED BY
CHECKED BY TM
DATE 9-10-18

TITLE
SITE LIGHTING PLAN

PROJECT NO. 50102099

E-1.0

SHEET NO. OF 1

8/15/2018 4:21:23 PM
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