LIGHTOLIER

Downlighting

LytePro file 4"

P4S Square Downlight & Wall Wash



LytePro file downlights and wall washers provide a perfect balance of functionality with glare control. The robust and versatile UniFrame frame-in kit makes changes and updates easy to manage and install. High optical efficiency reinforced with Accurender technology provides an optimum balance of performance and quality of light. Ideal for use in a variety of applications including open office, institutional, healthcare, and retail.

Standard luminaire: Complete luminaire = Frame + Engine + Trim + Accessories (optional)

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

Frame

Standard example: 4SN

Series	Aperture	Installation	Options	
4 Uniframe 4" Non-IC	S Square	N New construction (Non-IC)	– Universal 120/277/347V EM6 Emergency, 6W Self-Test/Self-Diagnostic (not available for BAC)[1]	LC Chicago Plenum[2] BAC Meets the requirements of the Buy American Act of 1933 (BAA)[4]
		R Remodeler (Non-IC)	– Universal 120/277/347V	
		A AirSeal (IC)	– Universal 120/277/347V	

Engine / Trim

Standard example: P4SDL20935CD210U

Series	Style	Lumen	CRI/CCT	Beam	Reflector	Flange	Dimming / Options	Voltage	Options
P4S LytePro file 4" square downlight	DL Downlight LW Lensed Wall Wash[1]	05 500 lm 10 1000 lm 15 1500 lm 20 2000 lm[3] 25 2500 lm[3] 30 3000 lm[3] 35 3500 lm[3] 40 4000 lm[3]	927 90 CRI/2700K 930 90 CRI/3000K 935 90 CRI/3500K 940 90 CRI/4000K	M Medium W Wide[1]	CL Specular clear CC Comfort clear CD Comfort clear diffuse WH White (matte) BK Black (matte)	– White (matte) B Black (matte)[6] A Aluminum (painted) – White (matte) B Black (matte)[6]	Z10 0-10V 1% Z10D20 0-10V 1% (dim to Off) (up to 2500lm) L1 Lutron LDE1 EcoSystem 1% (500lm not available) RA Integral Interact Pro RF sensor (up to 2500lm)[4] E Forward & Reverse Phase (up to 2500lm)	U 120/277V 3 347V (210 only) (up to 3000lm)[1] U 120/277V 1 120V	– None R Retrofit[4] (not compatible with IEM6) F Flex install (consult factory for ETO)[5] IEM6 Trim mounted EM test switch (for DL style only)

Accessories (Not currently BAA-compliant - learn more on page 2)

SBA	Interact Ready System Bridge Accessory with integral occupancy and daylight sensor (compatible with all 0-10V options, see SBA spec sheet)[11]
CAEM6	Field installable Bodine BSL6 6W battery pack with self-test/self-diagnostic for use with new construction frames, 120-277V
4RNSR	4" round/square non-IC frame with Flex (F) light engine (provides mechanical support for rough-in construction only, no junction box)
LCEM6	Field installable Bodine BSL06 emergency battery pack (for Flex (F) light engine only, includes switch mounting plate)
T347-7SVA	347-120V step-down transformer for non-IC (N) frame only (see page 2 for details)

1. Emergency (EM6) frame is compatible with reflector mounted test switch when light engine is ordered with IEM6 (not compatible w/347V).
2. Chicago Plenum (LC) is not available for Buy American Compliant (BAC) configs.
3. Lensed wall wash (LW) style only available with Wide (W) beam (2500lm max).
4. Not available with AirSeal (A) frame.
5. Not available with AirSeal (A) frame. Available with CL, CC, and CD reflector finishes only.
6. Consult factory with ETO request for black (B) flange for all styles.
7. The 5001m (05) option is not available.
8. Linear driver profile. See dimensional data following. Specify only with non-IC (N) frame, not for use with LC or EM6 options.
9. Retrofits select legacy Lightolier luminaires. See pages 2 and 6 for details.
10. Flex install requires light engine in trim only (up to 4000lm only). Accessory frames available. Not compatible with standard frames and associated options. Not available with Interact (RA) dimming and EM6 trim.
11. Requires IRT3M05-IR remote and Interact Pro App for commissioning (requires above ceiling access).

3 LIGHT FIXTURE DATA - TYPE A & AE

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-S-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)	365 365 mA 530 530 mA 700 700 mA 1A 1050 mA 1.2A 1200 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) SP[1] Slip Fitter Mount (fits to 2¼" O.D. tenon) WS Wall mount with surface conduit entry permitted RAM[1] Retrofit arm mount kit	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° BLC Back Light Control BLC-90 Back Light Control rotated at 90° BLC-270 Back Light Control rotated at 270° LCL[4] LEED Corner Optic Left RCL[4] 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)
	48L 48 LEDs (3 modules)	900 900 mA 1A 1050 mA 1.2A[2] 1200 mA						
	64L 64 LEDs (4 modules)	900 900 mA 1A[3] 1050 mA						

Options:					
Dimming controls	Motion sensing lens	Photo-sensing	Options	Luminaire	Finish
DD[1,18] 0-10V External dimming (for controls by others) DCC[1,4,5,6,9] Dual Circuits Control FAWD[1,4,5,6] Field Adjustable Wattage Selector SRDR[1,4,5,6,7] SR driver connected to Zhega socket **DynaDimmer:** Automatic Profile Dimming CS50[1,4] Safety 50% Dimming, 7 hours CM50[1,4] Median 50% Dimming, 8 hours CS30[1,4] Safety 30% Dimming, 7 hours CM30[1,4] Median 30% Dimming, 8 hours BL[1,4,7,18] Bi-level functionality WIAP[1,4,5,9] Wireless Interact (includes SR driver and SR receptacle - do NOT select SRDR)	IMR3[11] Integral with #3 lens IMR7[11] Integral with #7 lens LB Low (7-15' mounting height) sensor, Black color housing 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 TLRDS[10,17] Twist Lock Receptacle 6 Pin TLRD7[10,17] Twist Lock Receptacle 7 Pin TLRPC[4,9,10,17] Twist Lock Receptacle w/Photocell	**Fusing** F1[1] Single (120, 277, 347VAC) F2[1] Double (208, 240, 480VAC) **Pole Mount Fusing** FP1[1] Single (120, 277, 347VAC) FP2[1] Double (208, 240, 480VAC) FP3[1] Canadian Double Pull (208, 240, 480VAC) **Surge Protection** (10kA, standard) SP2 Increased 20kA BAC[19,21] Meets the requirements of the Buy American Act of 1933 (BAA)	Square Pole Adapter Included in standard product TB[1] Terminal Block RPA[1] Round Pole Adapter (Fits to 3"- 3.9" O.D. pole) HIS[20] Internal House Side Shield	**Textured** BK Black WH White BZ Bronze DGY Dark Gray MGY Medium Gray **Customer specified** RAL Specify optional color (Not RAL 7024) (Must supply color chip for required factory quote) 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 a 4" round pole with adapter included for square poles.
3. Limited to a maximum of 43 degrees aiming above horizontal.
4. Not available with other dimming control options.
5. Not available with photocontrol.
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. TLRDS, TLRD7 and TLRPC receptacle pins 4 & 5 are capped off when ordered with any of the Dimming controls DD or FAWD or LLC.
11. Not available in 480V. Order photocell separately with TLRDS/7.
12. Not available with DCC.
13. Not available with SF and WS. RPA is provided with black finish standard.
14. HIS not available with Type 5, SW, BLC, BLC-90, BLC-270, LCL or RCL optics.
15. Not available with DD, DCC, FAWD, SRDR, or WAP dimming control options.
16. Not available with motion sensing lens options IMR3 and IMR7.
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 T pins in NEMA receptacle are connected to SR driver. SRDR not available with TLRDS 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" tariffs 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 Buy American Act of 1933 (BAA), or (ii) any Buy American 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.

2 LIGHT FIXTURE DATA - TYPE SA WITH POLE

Utilities Structures Inc.

1.800.798.POLE

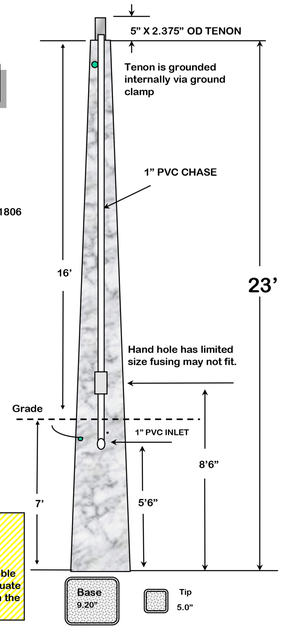
USI23TII-8656

Prestressed Concrete Pole

- Pole Weight = 1,320 lbs
- Wind speed = 170mph Vult
- Risk Category II
- Exposure = "C"
- Wind Gust = 3 seconds
- Load factor = 1.3
- 8th Edition 2023 FBC 1609, 1620 HVHZ & 1806
- ASCE 7-22
- Min. Brk. Strength = 2,200#
- Concrete = 6,500lbs @ 28 days
- Grd. Wire = #6 str. copper
- Strand = 1/2" @ 70% Ultimate
- Tenon = 2 3/8" OD x 5" Hgt.

MP STRUCTURES

RUTH POWELL, P.E., S.E.



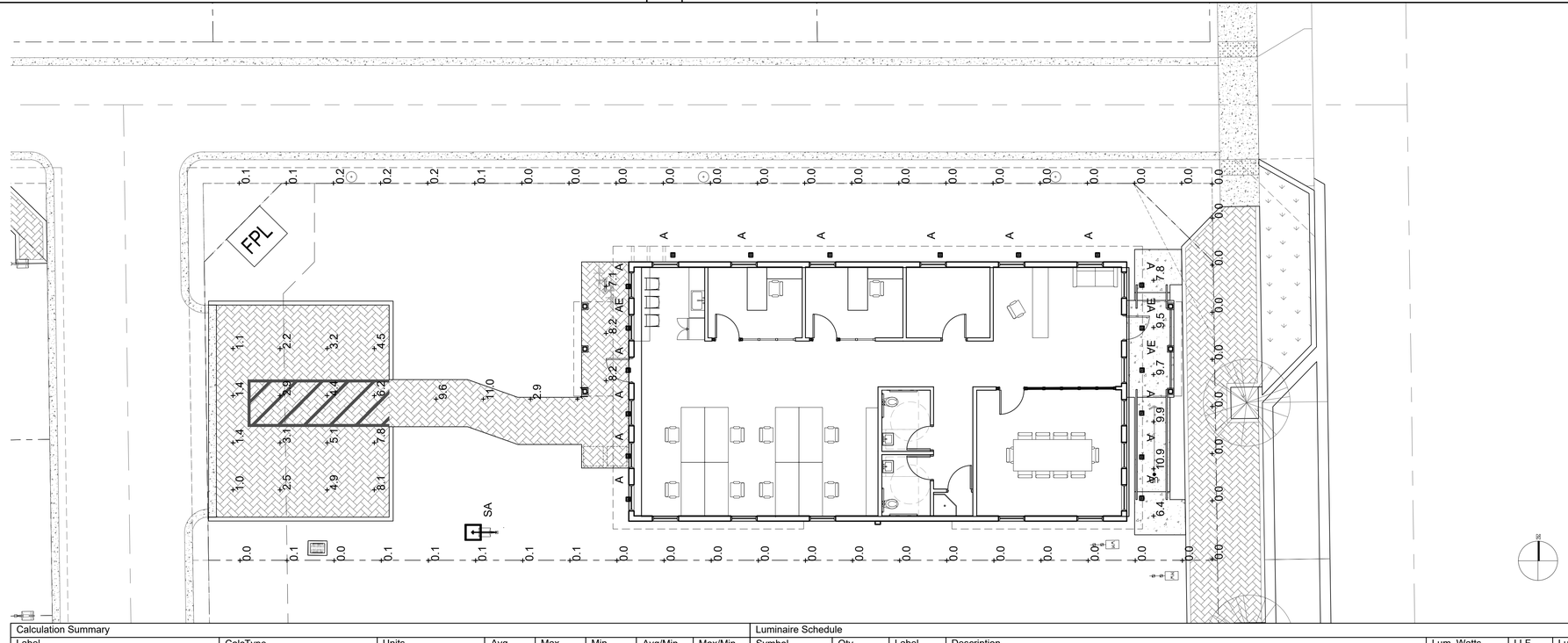
PROJECT:

This pole embedded 7' in to soils with an allowable passive pressure of 300pcf is structurally adequate to resist the local wind speed of Co. with the 2.0 sqft epa attached

LIGHTING NOTES:

ALL LIGHTING TO OPERATE FROM DUSK TO DAWN - TIME CLOCK CONTROLED

FULL CUTOFF LUMINARIES SHALL BE USED FOR ALL SECURITY LIGHTING AND DUSK-TO-DAWN AREA LIGHTING



Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
BACK WALKWAY	Illuminance	Fc	9.03	10.9	6.4	1.41	1.70
PARKING AREA	Illuminance	Fc	3.74	8.1	1.0	3.74	8.10
PROPERTY LINES	Illuminance	Fc	0.03	0.2	0.0	N.A.	N.A.
WALKWAY AREA	Illuminance	Fc	6.87	11.0	1.1	6.25	10.00

Luminaire Schedule							
Symbol	Qty	Label	Description	Lum. Watts	LLF	Lum. Lumens
	16	A	LIGHTOLIER #: 4SN-PS4-DL-05-940-M-WH / MTD AT 9' AFF	6	0.900	545
	3	AE	LIGHTOLIER #: 4SN-PS4-DL-05-940-M-WH-EM/ MTD AT 9' AFF	6	0.900	545
	1	SA	GARDCO#: ECF-S-48L-1A-NW-G2-RCL / MTD AT 16' AFG	156.3	0.900	9284

1 PHOTOMETRIC SITE PLAN AND LUMINAR SCHEDULE
1/8" = 1' - 0"

CITY APPROVAL STAMP

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A Zyscovich Company
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DN: c=US, o=Florida, ou=Architect, cn=Merrill Romanik, dn=Merrill Romanik, o=SYNALOVSKI ROMANIK SAYE, ou=Florida, c=US
Date: 2026.08.12 15:40:04-04'00'

NW 600 BLOCK NEW OFFICE SHELL

34 NW 6TH AVE
DELRAY BEACH, FL 33444

CLIENT: DELRAY BEACH CRA

REV	DATE	DESCRIPTION
1	07/15/26	TAC REVIEW COMMENTS 1

DESIGN DELIVERABLE: **DESIGN DEVELOPMENT**

ISSUE DATE: **05-14-2026**

PROJECT NUMBER: **1552-210401**

DRAWN BY: **ML**

CHECKED BY: **MR**

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SHEET TITLE:

PHOTOMETRIC SITE PLAN

SHEET NUMBER:

PH-101

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