

Notes:

Job:

Type:

FORM 10

LPS - LOW PRESSURE SODIUM

GENERAL DESCRIPTION: The Form 10 low pressure sodium luminaire combines one of the most efficient light sources available with advanced optical technology. Through Gardco's leadership in cutoff reflector systems with wide, uniform and glare-free light distribution, a lamp and luminaire package unequaled in performance and efficiency is available. Two distribution patterns are offered; a rectangular pattern for area applications (A) and an asymmetric distribution for perimeter lighting (P).

CUTOFF PERFORMANCE: Form 10 low pressure sodium luminaires provide full cutoff performance.

ORDERING

PREFIX	CONFIGURATION	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS

Enter the order code into the appropriate box above. Note: Gardco reserves the right to refuse a configuration. Not all combinations and configurations are valid. Refer to notes below for exclusions and limitations. For questions or concerns, please consult the factory.

PREFIX

- LA14⁷** End Arm Mount, Pole
LSA14⁵ Side Arm Mount, Pole
LP14^{2,5,7} End Direct Mount, Pole
LSP14^{2,5} Side Direct Mount, Pole
LJ14^{1,3,4} Post Top Mount
LW14^{1,6} Side Wall Mount

1. Single configuration only.
2. LP and LSP luminaires mount to square or cruciform poles only.
3. LJ Style luminaires furnished with Gardco Poles are supplied with a square fitter for cruciform, SSA and SSS poles. A round fitter is supplied for round poles.
4. LJ Style luminaires furnished for poles by others are supplied with a 5" O.D. fitter for a 4" x 6" tenon or a 3.5" O.D. fitter for a 2 3/8" x 4" tenon.
5. LP, LSP and LSA luminaires may not be ordered in 2-way @ 90°, 3-way or 4-way configurations.
6. LW luminaires are available with Type P-Perimeter optics only.
7. LA and LP with Type P, Perimeter optics permit 180° optical system rotation to provide light in the desired direction.

CONFIGURATION

- 1** Single Assembly
2 Twin Assembly
3 Triple at 90°
 (LA14 only)
4 Quad Assembly
 (LA14 only)

DISTRIBUTION

- A** Area Distribution, Type V
P Perimeter Distribution, Type IV

WATTAGE

- 55LPS**
90LPS
135LPS
180LPS

VOLTAGE

- 120**
208
240
277
480

FINISH

- | | | | |
|------------|---------------------------|-----------|--|
| BRP | Bronze Paint | OC | Optional Color Paint
Specify RAL designation
ex: OC-RAL7024. |
| BLP | Black Paint | | |
| WP | White Paint | SC | Special Color Paint
Specify Color. Must supply
color chip. |
| NP | Natural Aluminum Paint | | |
| BLA | Black Anodized | | |
| BRA | Bronze Anodized | | |
| NA | Natural Aluminum Anodized | | |

OPTIONS

- F** Fusing (In Head)
LF In-Line/In-Pole Fusing
PC Photocontrol and Receptacle
 (N/A with 480V)
PCR Photocontrol Receptacle only
POLY Polycarbonate Lens (In lieu of Acrylic)

- PTF2** Pole Top Fitter - 2 3/8" - 3" Dia. Tenon
PTF3 Pole Top Fitter - 3" - 3 1/2" Dia. Tenon
PTF4 Pole Top Fitter - 3 1/2" - 4" Dia. Tenon
MF Mast Arm Fitter

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A Genlyte Company

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FORM 10

LPS - LOW PRESSURE SODIUM

SPECIFICATIONS

GENERAL DESCRIPTION: Each Gardco Form 10 LPS unit is a rectilinear luminaire that provides full cutoff performance.

HOUSING: Housing side sections are composed of precisely mitered and welded aluminum extrusions. Tops are press-formed and internally welded to the housing sides. Pressure injected silicone provides a continuous weather-tight seal at all miters and points of material transition.

DOOR/LENS ASSEMBLY: The door frame is constructed of mitered and welded anodized aluminum sections. The optically clear, non-yellowing, impact-resistant acrylic lens is secured in the door frame. Corrosion resistant, hollow core, memory retentive silicone gaskets seal both the lens to the door frame and the door frame to the housing.

REFLECTOR ASSEMBLY: The Form 10 reflector systems are constructed of homogeneous sheet aluminum that is electrochemically brightened, anodized and sealed. The highly specular reflector segments are precisely positioned to produce either an area distribution pattern

(A) that conforms to an IES Type V or a perimeter distribution pattern (P) that conforms to an IES Type IV. Luminaires have lamp stabilizers positioned to secure LPS lamps irrespective of lamp length that may vary by manufacturer.

ELECTRICAL: All luminaires utilize magnetic ballasts that are high power factor and designed for reliable lamp starting to -20°F/-29°C. The electrical components are mounted on a unitized tray and prewired with quick electrical disconnects.

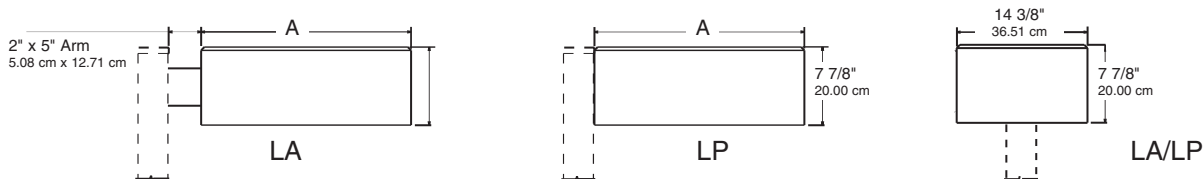
FINISH: Housings are finished with an Architectural Class 1 anodizing or TGIC polyester powdercoat.

LABELS: All luminaires bear UL or CUL (where applicable) Wet Location labels.

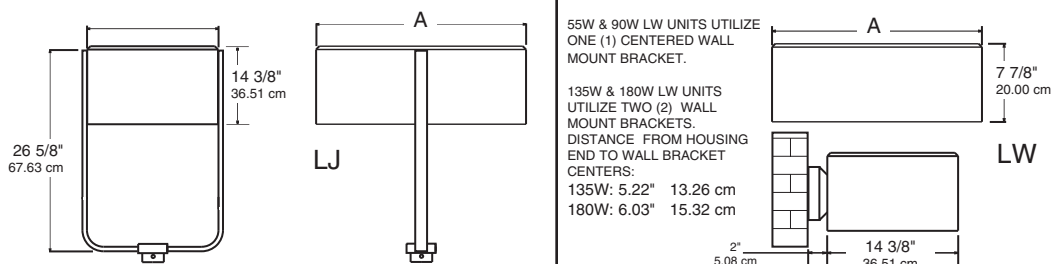
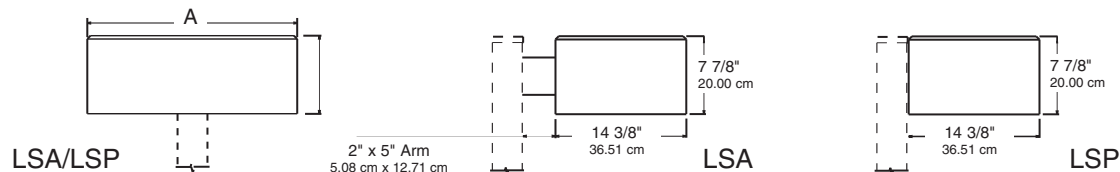
FULL CUTOFF PERFORMANCE: Full cutoff performance means a luminaire distribution where zero candela intensity occurs at an angle of 90° above nadir. Additionally, the candela per 1000 lamp lumens does not numerically exceed 100 (10 percent) at a vertical angle of 80° above nadir. This applies to all lateral angles around the luminaire.

LUMINAIRE DIMENSIONS AND EPAs

Wattage	Dimension "A"	LP14		LA14		LJ14	LSA14, LSP 1-Way and 2-Way
		1-Way	2-Way	1-Way	2-Way		
180	48" 121.92cm	2.90 ft ² .27 m ²	5.80 ft ² .54 m ²	2.97 ft ² .28 m ²	5.94 ft ² .55 m ²	3.03 ft ² .28 m ²	2.90 ft ² .27 m ²
135	34 3/8" 87.31cm	2.08 ft ² .19 m ²	4.16 ft ² .38 m ²	2.15 ft ² .20 m ²	4.30 ft ² .40 m ²	2.21 ft ² .21 m ²	2.08 ft ² .19 m ²
90	24 5/8" 62.55cm	1.49 ft ² .14 m ²	2.98 ft ² .28 m ²	1.56 ft ² .15 m ²	3.12 ft ² .29 m ²	1.62 ft ² .15 m ²	1.49 ft ² .14 m ²
55	24 5/8" 62.55cm	1.49 ft ² .14 m ²	2.98 ft ² .28 m ²	1.56 ft ² .15 m ²	3.12 ft ² .29 m ²	1.62 ft ² .15 m ²	1.49 ft ² .14 m ²



LA and LSA 1 and 2 way @ 180° use 4" (10.16 cm) length arms. LA 3, 4 and 2 way @ 90° use 6" (15.24 cm) length arms



55W & 90W LW UNITS UTILIZE ONE (1) CENTERED WALL MOUNT BRACKET.

135W & 180W LW UNITS UTILIZE TWO (2) WALL MOUNT BRACKETS. DISTANCE FROM HOUSING END TO WALL BRACKET CENTERS:
135W: 5.22" 13.26 cm
180W: 6.03" 15.32 cm

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