

Job:
Type:
Notes:

Form 10

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Low Pressure Sodium

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).

Form 10 low pressure sodium luminaires provide full cutoff performance.

PREFIX	MOUNTING	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

LA I 4⁷ End Arm Mount, Pole
LSA I 4⁵ Side Arm Mount, Pole
LP I 4^{2,5,7} End Direct Mount, Pole
LSP I 4^{2,5} Side Direct Mount, Pole
LJ I 4^{1,3,4} Post Top Mount
LW I 4^{1,6} Side Wall Mount

MOUNTING

1 Single Assembly
2 Twin Assembly
3 Triple at 90°
(LA I 4 only)
4 Quad Assembly
(LA I 4 only)

DISTRIBUTION

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

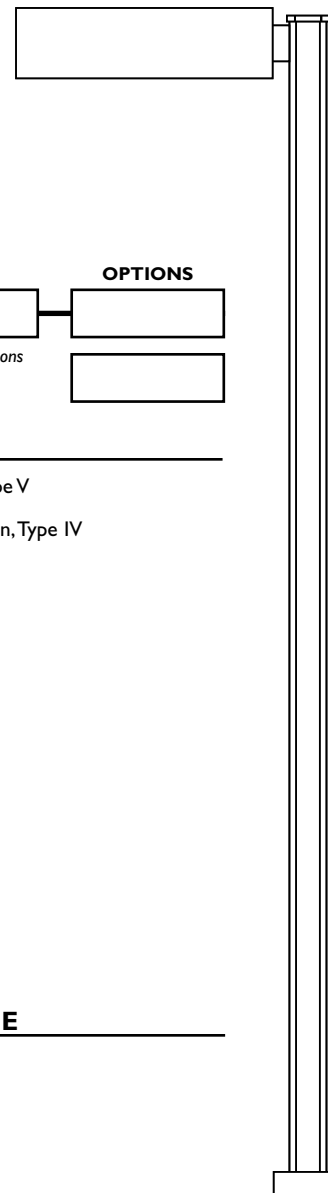
1. Single assembly only.
2. LP and LSP luminaires mount to square or cruciform poles only.
3. LJ Style luminaires furnished with Gardco Poles are supplied with a square fitter for cruciform, SSA and SSS poles. A round fitter is supplied for round poles.
4. LJ Style luminaires furnished for poles by others 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.

WATTAGE

35LPS
55LPS
90LPS
135LPS
180LPS

VOLTAGE

120
208
240
277
480



1611 Clovis Barker Road, San Marcos, TX 78666

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FINISH

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

OPTIONS

F	Fusing
LF	In-Line/In-Pole Fusing
PC⁸	Photocontrol and Receptacle
PCR	Photocontrol Receptacle only
POLY⁹	Polycarbonate Lens
PTF2¹⁰	Pole Top Fitter - 2 3/8" - 3" Dia. Tenon
PTF3¹⁰	Pole Top Fitter - 3" - 3 1/2" Dia. Tenon
PTF4¹⁰	Pole Top Fitter - 3 1/2" - 4" Dia. Tenon
MF¹¹	Mast Arm Fitter

8. Not available in 480V.

9. In lieu of standard acrylic lens.

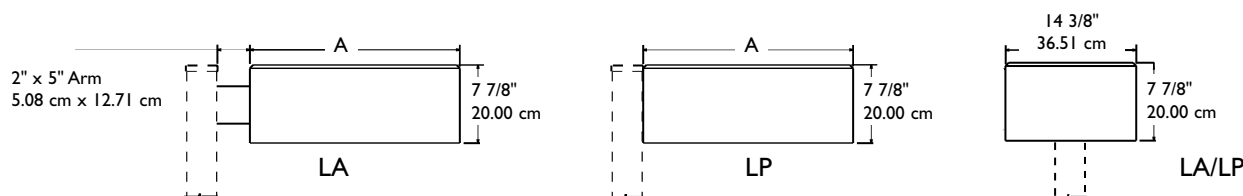
Polycarbonate lenses carry a 1 year warranty only.

10. For use with LA14 or LSA14 luminaires only.

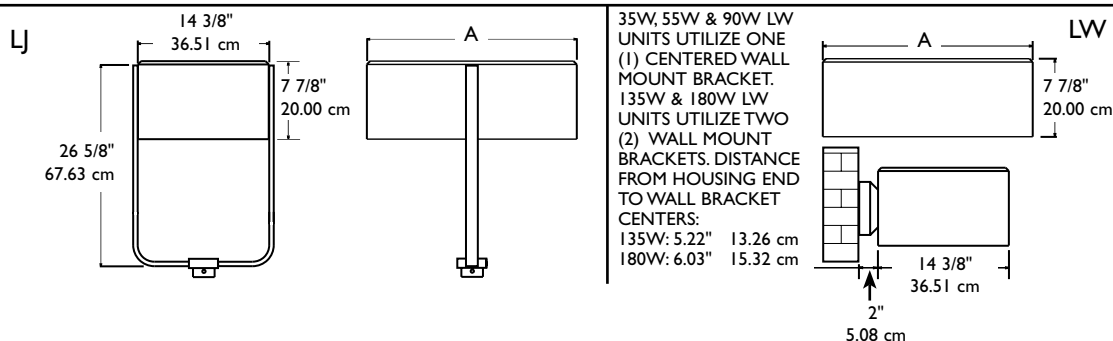
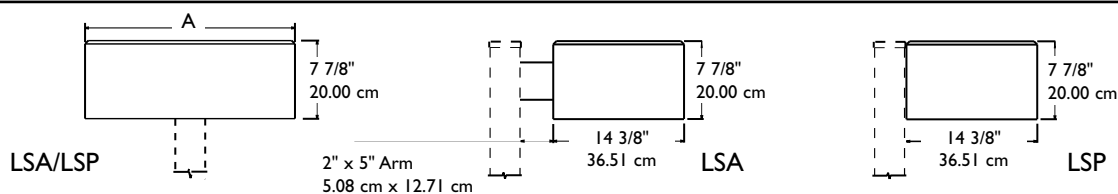
11. Requires a 2 3/8" mast arm. Order LPI4 or LSP14 with this option for mast arm mounting.

DIMENSIONS AND EPA

Wattage	Dimension "A"	LPI4		LA14			LJ14	LSA14, LSP 1-Way and 2-Way
		1-Way	2-Way	1-Way	2-Way	3/4-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	6.74 ft ² .63 m ²	3.03 ft ² .28 m ²	2.90 ft ² .27 m ²
135	34 3/8" 87.31 cm	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	5.10 ft ² .48 m ²	2.21 ft ² .21 m ²	2.08 ft ² .19 m ²
35/55/90	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	3.92 ft ² .37 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



35W, 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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PHILIPS**GARDCO**

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 I anodizing or TGIC polyester powdercoat.

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

WARRANTY: Gardco luminaires feature a 5 year limited warranty. See Warranty Information on www.sitelighting.com for details and exclusions. Polycarbonate lenses carry a 1 year warranty only.

FULL CUTOFF PERFORMANCE: Full cutoff performance means a luminaire distribution where zero candela intensity occurs at an angle at or above 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.

CUTOFF PERFORMANCE: Cutoff performance means a luminaire distribution where the candela per 1000 lamp lumens does not numerically exceed 25 (2.5 percent) at an angle at or above 90° above nadir, and 100 (10 percent) at a vertical angle of 80° above nadir. This applies to all lateral angles around the luminaire.

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