

Notes:

Job:

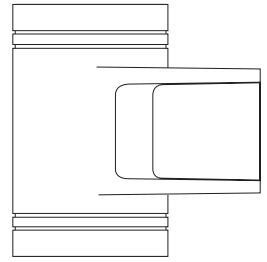
Type:

CYLINDERS

301 LINE UP/DOWN

GENERAL DESCRIPTION: The Gardco 301 LINE is a series of high performance up/down wall mounted cylinders. Each luminaire utilizes a single high intensity discharge lamp and provides illumination above and below. Housings are diecast aluminum with twin architectural reveals at both the lower and upper apertures. Six (6) downlight and two (2) uplight optical systems are available. The unique optional "Spike" downlight and/or uplight distribution creates a dramatic narrow stripe of illumination on the wall or column. Luminaires are finished with a fade and abrasion resistant polyester powder coat offered in 5 standard colors. 301D luminaires provide downlight only.

CUTOFF PERFORMANCE: 301D luminaires provide full cutoff performance.



ORDERING

PREFIX	MODEL	MOUNTING	TRIMS	WATTAGE	VOLTAGE	FINISH	OPTIONS
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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

301 Uplight and
Downlight

301D Downlight
Only

MODEL

E Fully Enclosed

O Open Downlight

MOUNTING

W Wall Mount

TRIMS

Fully Enclosed "E" Units Only

L Obscuring lens on uplight and downlight (300.)
Obscuring lens on downlight (301D.)
Soft symmetrical distributions.

LL Egg crate louvers and obscuring lens on
downlight (301,301D.) Obscuring lens on
uplight (301.)

SD Spike downlight distribution (301, 301D.)
Obscuring lens on uplight (301.)

SU Spike uplight distribution, with obscuring lens
on downlight (301.) Not Available in 301D.

SB Spike uplight and downlight distributions (301.)
Not available in 301D.

FT Forward throw downlight distributions (301,
301D.) Soft uplight glow (301.) FT Trims
utilize T6 lamps. Lamps are supplied with the
luminaire.

Open Downlight "O" Units Only

R Reflector produces medium downlight
distribution with sharp cutoff to lamp and
images(301, 301D.) Obscuring lens on
uplight (301.)

B Black baffled downlight (301, 301D.)
Obscuring lens on uplight (301.)

WATTAGE

Fully Enclosed "E" Units **Open Downlight "O" Units**
(N/A with FT Trims)

50MH¹	50MH¹
70MH	70MH
100MH	100MH
150MH	150MH
50HPS	50HPS
70HPS	70HPS
100HPS	100HPS
150HPS²	150HPS

FT Trims Only

T70MH
T150MH

MH Metal Halide
HPS High Pressure Sodium

1. N/A with 347V.
2. Contact factory for availability of
150HPS with SD, SU or SB Trims.

VOLTAGE

120
208
240
277
347

FINISH

BRP	Bronze Paint		
BLP	Black Paint		
WP	White Paint	OC	Optional Color Paint <i>Specify RAL designation ex: OC-RAL7024.</i>
NP	Natural Aluminum Paint		
BGP	Beige Paint		
VP	Verde Green Paint	SC	Special Color Paint <i>Specify. Must supply color chip.</i>

OPTIONS

F	Fusing
RCA	Round Column Mounting Adapter
WS	Wall Mounted J-Box for Surface Conduit

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79115-112/0607

CYLINDERS

301 LINE UP/DOWN

SPECIFICATIONS

HOUSINGS:

Housings are single-piece diecast aluminum cylindrical forms with integral side wall mounting canopy / ballast chambers. Provided mounting brackets are galvanized steel.

OPTICAL SYSTEMS: 301, 301D

Lens (L): The uplight and downlight components both utilize twin (four total per luminaire) spun specular Alzak reflectors which provide the symmetrical distributions. The uplight-obscuring lens (301) is flush mounted and the downlight-obscuring lens is regressed. The lenses soften the distribution and conceal the optical system and internal hardware. 301D luminaires provide downlight only with the uplight lens replaced with an aluminum insert.

Louvers (LL): Diecast aluminum egg crate louvers are installed over the downlight-obscuring lens. All other optical elements are as described in the Lens (L) option. 301D luminaires provide downlight only with the uplight lens replaced with an aluminum insert.

Spike Downlight (SD): Inner and outer spun specular Alzak reflectors provide a very narrow spot beam at nadir. Uplight optical system (301) is as described in the Lens (L) option. 301D luminaires provide downlight only with the uplight lens replaced with an aluminum insert.

Spike Uplight (SU): Inner and outer spun specular Alzak reflectors provide a very narrow spot at zenith. Downlight optical system is as described in the Lens (L) option. Not available in the 301D.

Spike Both Uplight and Downlight (SB): Two sets of inner and outer spun specular Alzak reflectors provide very narrow spot beams at nadir and zenith. Not available in the 301D.

Reflector (R): Spun specular Alzak reflector produces a medium symmetrical downlight distribution with sharp cutoff to lamp and lamp images. Uplight

optical system (301) is as described in the Lens (L) option. 301D luminaires provide downlight only with the uplight lens replaced with an aluminum insert.

Baffle (B): Upper spun specular Alzak reflector and lower black baffle produce a medium symmetrical downlight distribution with exceptional control of high angle brightness. Uplight optical system (301) is as described in the Lens (L) option. 301D luminaires provide downlight only with the uplight lens replaced with an aluminum insert.

Forward Throw (FT) Faceted specular Alzak reflector system produces an asymmetric forward projecting distribution. Secondary optical system (301) with obscuring lens produces a soft uplight glow. 301D luminaires provide downlight only with the uplight lens replaced with an aluminum insert.

ELECTRICAL:

All luminaires utilize magnetic HID ballasts that are high power factor and designed for reliable lamp starting to -20° F. Pulse rated sockets are glazed porcelain with nickel plated screw shells.

FINISH:

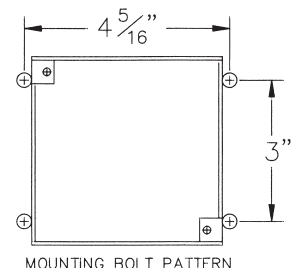
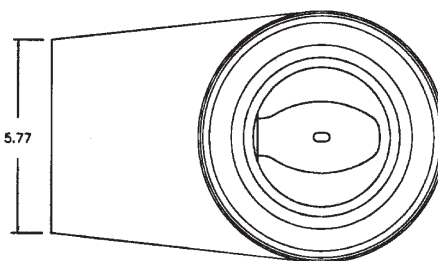
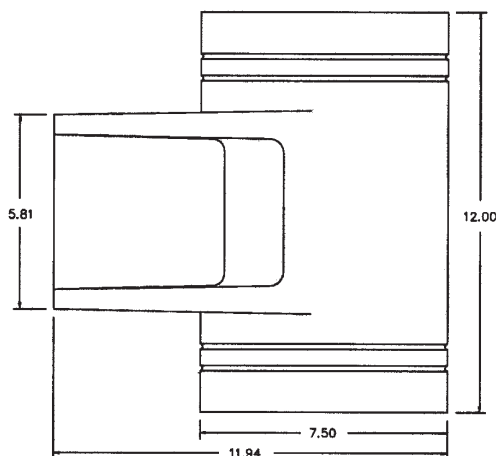
Each luminaire receives a fade and abrasion resistant electrostatically applied, thermally cured, (TGIC) polyester powder coat finish. Standard finishes are textured.

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.

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.

DIMENSIONS AND MOUNTING DETAIL



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