

# DESIGNER CANOPY LUMINAIRE

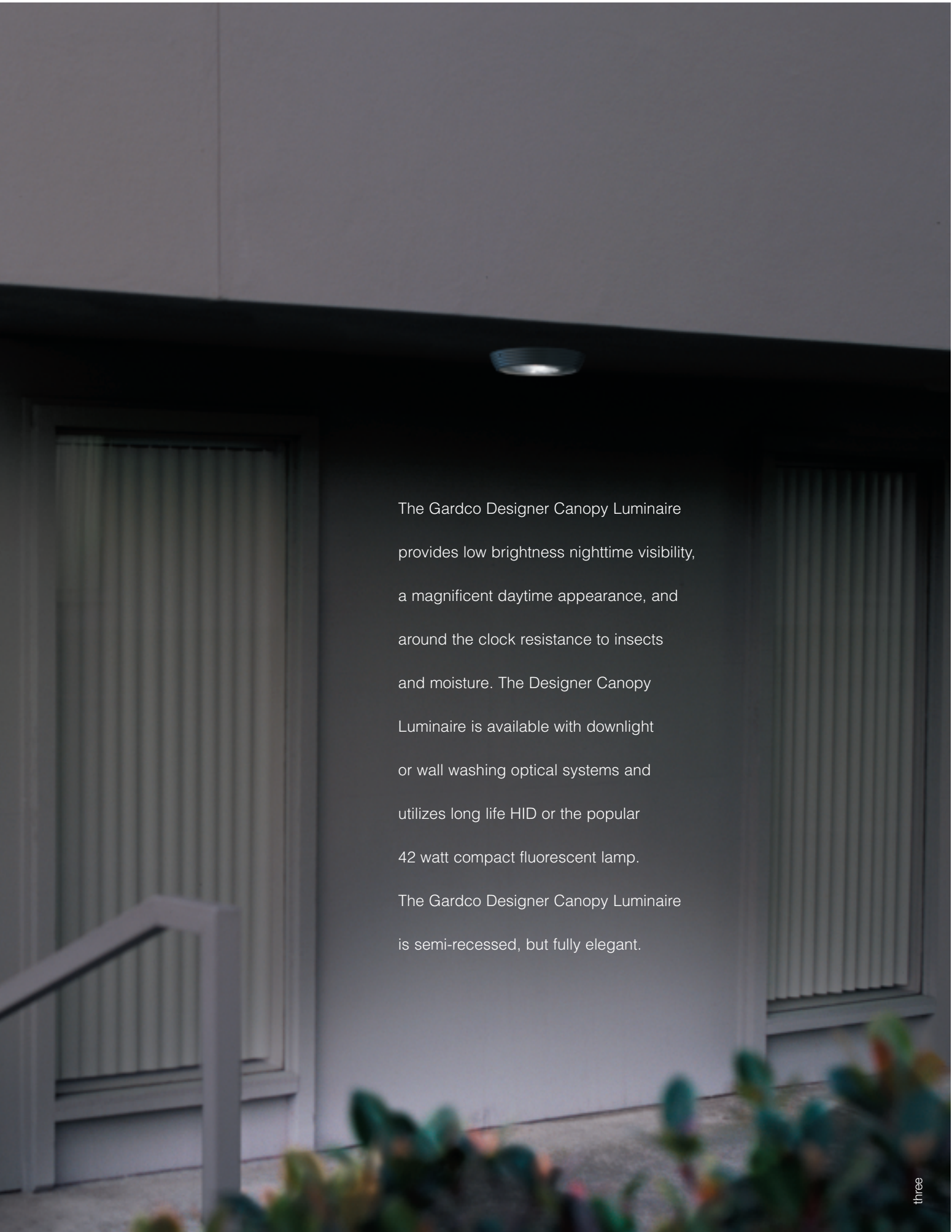
B U I L D I N G   M O U N T E D



GARDCO  
LIGHTING







The Gardco Designer Canopy Luminaire provides low brightness nighttime visibility, a magnificent daytime appearance, and around the clock resistance to insects and moisture. The Designer Canopy Luminaire is available with downlight or wall washing optical systems and utilizes long life HID or the popular 42 watt compact fluorescent lamp. The Gardco Designer Canopy Luminaire is semi-recessed, but fully elegant.

# FEATURES

The Designer Canopy Luminaire can bring exquisite style to otherwise ordinary spaces. Moreover the low brightness illumination will help to create a safer and more secure environment.

## Three Low Brightness Distributions

All (3) optical systems feature deeply recessed lamp positioning to provide sharp visual cutoff to the lamp and lamp images at normal viewing angles.



The fresnel lens provides an even, symmetrical downlight distribution. This is an ideal distribution for theatre entrances, lobbies and other covered wide area lighting applications.

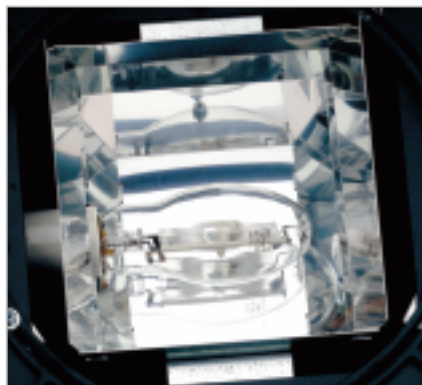


The prismatic downlight lens creates an elongated lighting pattern that uniformly illuminates covered pathways and walkways adjacent to buildings.

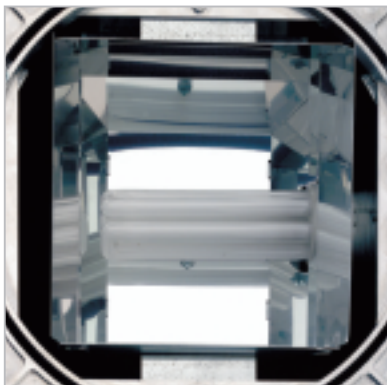


The prismatic lens wall washer optical system uniformly illuminates adjacent vertical surfaces - free of streaks and striations. The downlight component concurrently provides high light levels on the pathway below.

## High Performance Lamps



HID is the preferred outdoor lighting source for long lamp life, energy efficiency and low temperature starting. The Designer Canopy Luminaire utilizes High Intensity Discharge lamps up to 150W HPS and 175W MH.



Where instant starting and a less intense source of illumination is desired, the Designer Canopy Luminaire is also available for use with the popular 42W compact fluorescent lamp.

## Rugged Fixture Construction



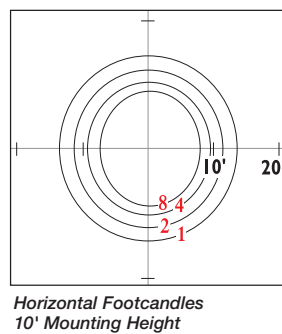
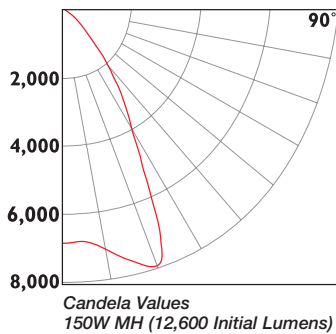
Hollow core silicone gaskets exclude insects, moisture, dust, and pollutants from luminaire. Rugged die cast trim and tempered glass lenses deter casual vandalism. Tamper resistant hardware is optional. Polyester powdercoat finishes are fade and abrasion resistant.

# PHOTOMETRICS

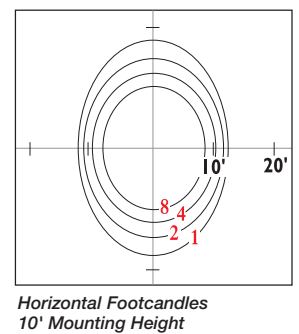
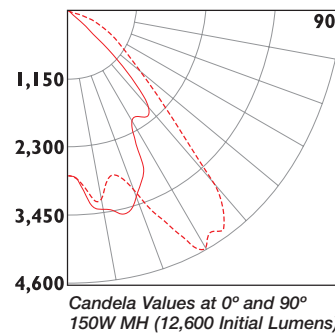
## 220 DOWNLIGHT



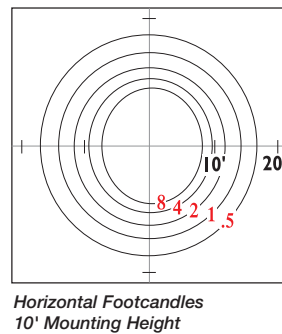
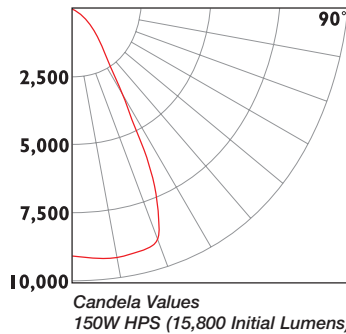
**150W Metal Halide  
Fresnel Lens**



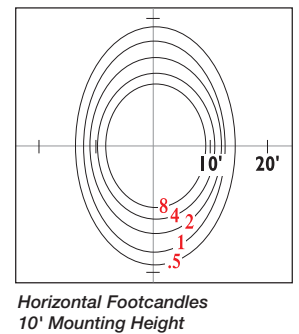
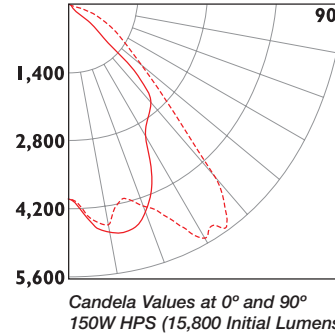
**150W Metal Halide  
Elongated Beam**



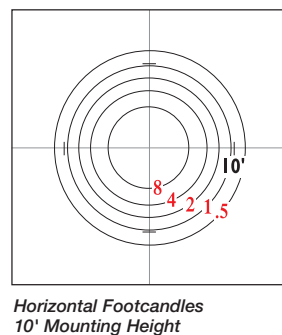
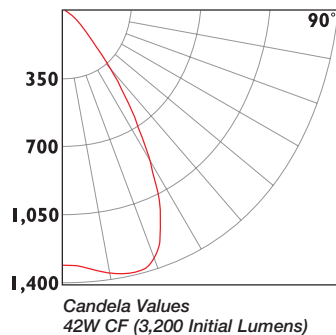
**150W High Pressure Sodium  
Fresnel Lens**



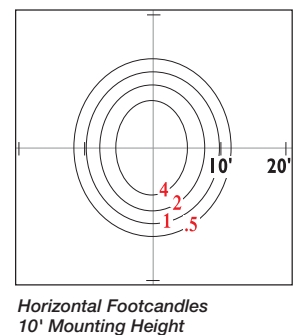
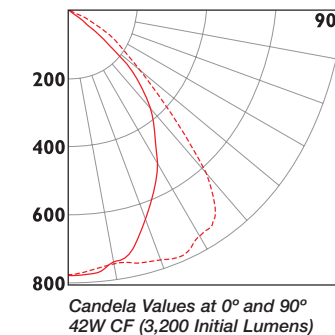
**150W High Pressure Sodium  
Elongated Beam**



**42W Compact Fluorescent  
Fresnel Lens**



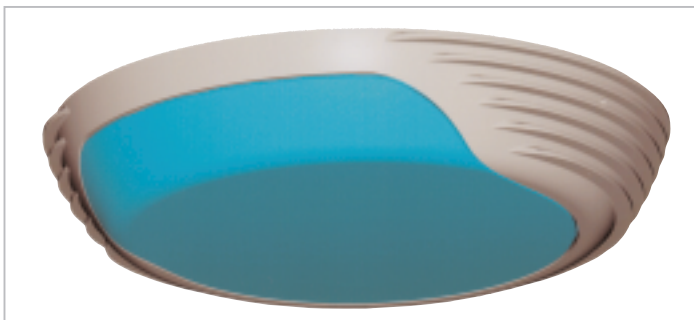
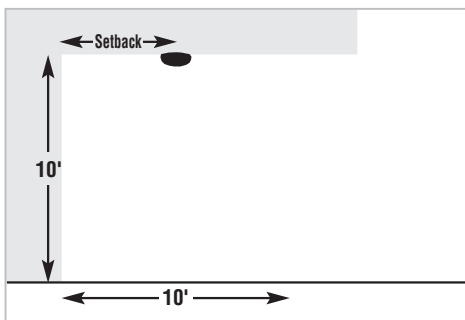
**42W Compact Fluorescent  
Elongated Beam**



# PHOTOMETRICS

## 221 DOWNLIGHT/WALL WASHER

### Canopy Applications - Multiple Luminaires



#### 150W Metal Halide Lamp 12,600 Initial Lumens 10' Mounting Height

	Setback	Illuminance on Pathway			Illuminance on Wall		
		MAX. f.c.	MIN. f.c.	AVG. f.c.	MAX. f.c.	MIN. f.c.	AVG. f.c.
10' Spacing	3'	102	8.77	59.9	54.3	15.8	33.0
	4'	102	15.2	63.2	33.6	14.1	25.2
	5'	102	25.3	65.2	23.8	11.3	19.6
15' Spacing	3'	85.2	5.33	39.7	53.0	2.28	21.0
	4'	85.2	9.66	42.0	31.8	3.50	16.4
	5'	85.2	16.3	43.2	20.3	4.39	12.9
20' Spacing	3'	83.8	2.55	30.6	52.9	.57	17.1
	4'	83.8	4.14	32.3	31.5	.87	13.0
	5'	83.8	6.46	33.3	19.8	1.20	10.0

#### 150W High Pressure Sodium Lamp 15,800 Initial Lumens 10' Mounting Height

	Setback	Illuminance on Pathway			Illuminance on Wall		
		MAX. f.c.	MIN. f.c.	AVG. f.c.	MAX. f.c.	MIN. f.c.	AVG. f.c.
10' Spacing	3'	97.3	11.7	63.9	117	20.7	53.1
	4'	97.3	32.8	71.9	49.0	17.0	34.4
	5'	97.3	20.2	68.7	78.0	20.8	42.8
15' Spacing	3'	71.1	6.97	42.5	115	2.59	33.5
	4'	71.1	12.1	45.7	76.0	3.98	27.5
	5'	71.1	19.2	47.8	45.0	5.26	22.3
20' Spacing	3'	68.9	3.48	32.5	115	.64	27.5
	4'	68.9	5.38	35.0	75.7	1.00	22.1
	5'	68.9	7.98	36.6	44.3	1.46	17.7

#### 42W Fluorescent Lamp 3,200 Initial Lumens 10' Mounting Height

	Setback	Illuminance on Pathway			Illuminance on Wall		
		MAX. f.c.	MIN. f.c.	AVG. f.c.	MAX. f.c.	MIN. f.c.	AVG. f.c.
10' Spacing	3'	11.9	4.50	9.25	21.2	3.96	8.01
	4'	11.9	5.81	9.62	12.0	3.88	6.75
	5'	11.9	7.27	9.76	8.71	3.46	5.75
15' Spacing	3'	9.19	2.65	6.13	21.1	.70	5.09
	4'	9.19	3.36	6.38	11.5	.87	4.36
	5'	9.19	4.11	6.47	8.09	1.03	3.73
20' Spacing	3'	8.53	1.58	4.71	21.0	.22	4.15
	4'	8.53	1.90	4.89	11.4	.27	3.48
	5'	8.53	2.24	4.96	7.99	.32	2.95



# SPECIFICATIONS

## General:

The Gardco Designer Canopy Luminaire utilizes compact fluorescent and high intensity discharge lamps. Housing is recessed in ceiling cavity and shallow trim assembly is surface mounted on canopy. Two downlight and one wall wash optical systems are available.

## Housings:

Housing assembly features die cast aluminum plaster flange, formed steel ballast tray, adjustable mounting brackets, and steel housing cover.

## Trims:

Die cast aluminum trim mechanically secures glass lens. Hollow core, extruded silicone gaskets seal trim assembly to both housing and lens to permanently exclude insects, moisture, dust, and pollutants from luminaire.

## Optical Systems:

Fresnel lens provides an even, symmetrical downlight distribution. Prismatic downlight lens creates an elongated lighting pattern.

Prismatic wall wash distribution provides uniform illumination on adjacent vertical surfaces. Cutout side trim on the wallwash model allows light pattern on the wall to reach the ceiling line.

## Electrical:

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

All fluorescent luminaires utilize electronic ballasts that are high power factor and designed for reliable lamp starting to 0°F. Sockets are high temperature PBT with brass contacts.

## Finish:

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

## Labels:

All luminaires have UL and CSA (or CUL) Damp Location labels.

# ORDERING

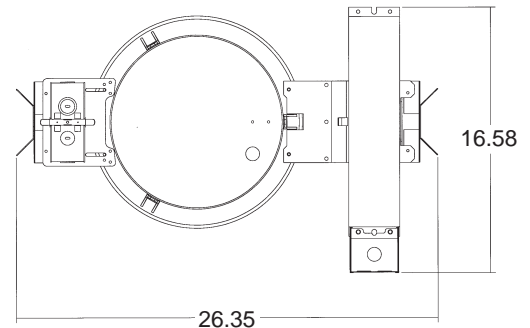
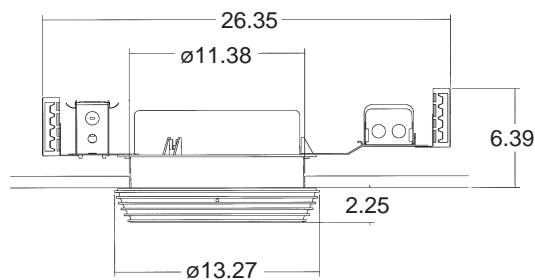
PREFIX	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS
<b>220</b>	Downlight	<b>P</b> Prismatic Lens (Elongated Beam) <b>F</b> Fresnel Lens	<b>50MH</b> <b>70MH</b> <b>100MH</b> <b>150MH</b> <sup>1</sup> <b>175MH</b> <b>50HPS</b> <b>70HPS</b> <b>100HPS</b> <b>150HPS</b> <sup>2</sup> <b>42W TRF</b>	<b>120</b> <b>277</b> <b>347</b>	<b>BRP</b> Bronze Paint <b>BLP</b> Black Paint <b>BGP</b> Beige Paint <b>WP</b> White Paint <b>NP</b> Natural Paint <b>OC</b> Optional Color (See Color Selection Guide) <b>SC</b> Special Color (Provide Color Chip)
<b>221</b>	Wall Wash	<b>P</b> Prismatic Lens			<b>F</b> Fusing <b>RS</b> Tamper Resistant Hardware

Example: **220 P 100MH 277 WP F**

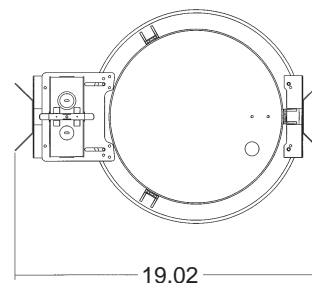
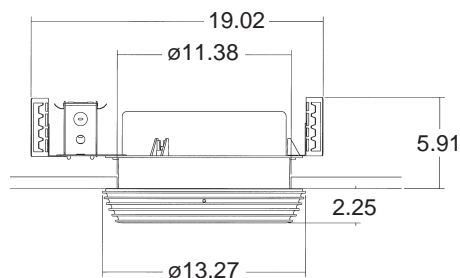
<sup>1</sup> ANSI#M201 <sup>2</sup> ANSI#S55

# DIMENSIONS

HID Units



Compact Fluorescent Units



For information on other new Gardco luminaires:

Fascia Wash



Fascia Forms



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San Leandro, CA 94577  
800/227-0758  
510/357-6900 in California  
Fax: 510/357-3088  
[sitelighting.com](http://sitelighting.com)

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