

EVLP Low Profile Hazard•Gard® (H.I.D.) Luminaires

Medium and Mogul Base

Cl. I, Div. 1, Groups B (GB suffix), C, D
Cl. I, Zone 1, Groups IIB + H₂ (with suffix – GB), IIB, IIA
Cl. II, Div. 1, Groups E, F, G;
Class III

Marine & Wet Locations
3, 3R, 4, 4X; IP66

4L

Applications:

- Eaton's Crouse-Hinds Low Profile Hazard•Gard® luminaires are used in:
- Areas where flammable or explosive vapors or gases are present
 - Hazardous areas, both indoors and outdoors, where long life and low maintenance costs are desired
 - Petroleum refineries, chemical, petrochemical and pharmaceutical plants, oil terminals, gas plants and other heavy process industry facilities
 - Waste treatment facilities
 - Drilling platforms and other coastal and offshore hazardous areas

Features and Benefits:

- Small, compact size is perfect where low mounting restrictions are a concern.
- Two start Acme threaded construction allows for easier assembly, installation and maintenance.
- Lightweight copper-free aluminum housing with powdered epoxy finish for superior corrosion resistance.
- All exterior hardware is corrosion-resistant stainless steel.
- Four mounting arrangements: pendant, ceiling, wall bracket and stanchion suit any lighting layout.
- Wide range of light sources and wattages to meet specific lighting needs.
- Marine and NEMA 4X construction suitable for outdoor, hose down, marine and corrosive environments.
- Integral ballast for lowest installed cost.
- High power factor (90%+) ballasts allows more fixtures per circuit.
- Uses same mounting modules as the standard Hazard•Gard® for easy retrofitting when the EVLP is the preferred choice.
- Internally fluted glass globe reduces glare and distributes light evenly – ideal for adverse environments typical of industrial facilities.
- Krydon® construction dome and angle reflectors – won't rust, corrode, dent, chip or peel
- Now available in components – luminaire body, mounting module, guard, reflectors – allowing for easy stocking for Quick Ship requirements.



Certifications and Compliances:

- NEC and CEC:
Class I, Division 1, Groups B (with suffix GB), C, D – All Wattages
Class I, Zone 1, Groups IIB + H₂ (with suffix GB), IIB, IIA – All Wattages
Class II and Class III
- UL Standards:
844, Hazardous (Classified) Locations
1598 Luminaires
1598A Marine Locations
- CSA Standards
C22.2 No. 137

Options:

Description	Suffix
• Group B suitability	GB
• Ballast-Gard™ (HPS only)	BG
• Instant restrike (Mogul Base only)	IR
70–150W LX HPS Cannot use with BG Option	
• Fused (not suitable for marine applications).....	S658*
• Quartz auxiliary lighting (Mogul Base only)	QTZ
Cannot use with IR option Uses 100W single ended double contract lamp Quartz lamp not included	
• Factory assembled with lamps	FA

*When ordering fuses for luminaires, option S658, you must specify the operating voltage. S658 cannot be ordered with /MT in the catalog number.

Accessories:

Description	Cat. #
Dome reflector	RD739
Angle reflector	RA739

Standard Materials:

- Mounting modules, cover, ballast housing, globe holder – copper-free aluminum
- Globe – heat and impact resistant glass
- Exterior hardware – stainless steel
- Reflectors (dome & angle) – Krydon® fiberglass-reinforced polyester

Standard Finishes:

- Copper-free aluminum – Corro-free™ powdered epoxy
- Krydon – white
- Stainless steel guard

Ratings (Electrical/Size):

Sources/Wattage:

- Medium Base 70–150W HPS, 70–175W MH
- Mogul Base 70–150W HPS, 70–250W MH

Voltages:

- Medium & Mogul H.I.D.
120V 60Hz
Multi-tap (120, 208, 240, 277V 60Hz)
Tri-tap (120, 277, 347V 60Hz)
480V 60Hz
Other voltages – consult Eaton's Crouse-Hinds

Conduit Entries:

- 3/4", 1" NPT – pendant, wall bracket, ceiling
- 1 1/4" NPT – stanchion

4L

4L

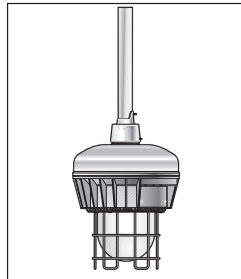
EVLP Low Profile Hazard•Gard®

Medium Base

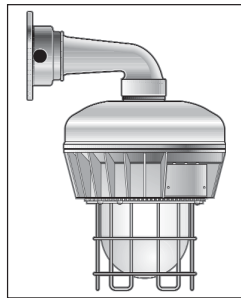
Cl. I, Div. 1, Groups B
(GB suffix), C, D
Cl. I, Zone 1, Groups IIB + H₂
(with GB suffix), IIB, IIA
Cl. II, Div. 1, Groups E, F, G;
Class III

Marine & Wet Locations
3, 3R, 4, 4X; IP66

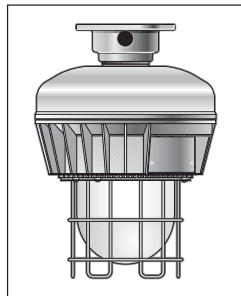
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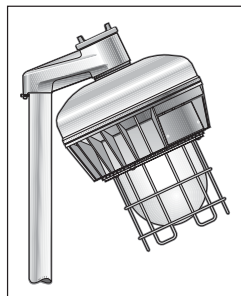
Pendant Mount



†Wall Bracket Mount



†Ceiling Mount



Stanchion Mount

		Pendant	Wall Bracket	Ceiling	Stanchion	Luminaire Body Less Mounting Module & Guard
Watt	Hub Size (In.)	With Guard Cat. #	With Guard Cat. #	With Guard Cat. #	With Guard Cat. #	Cat. #
High Pressure Sodium						
70W	3/4	EVLP142071	EVLPBX142071	EVLP142071		EVLP14070
	1	EVLP143071	EVLPBX143071	EVLP143071		
	1 1/4				EVLPJ144071	
100W	3/4	EVLP142101	EVLPBX142101	EVLP142101		EVLP14100
	1	EVLP143101	EVLPBX143101	EVLP143101		
	1 1/4				EVLPJ144101	
150W	3/4	EVLP142151	EVLPBX142151	EVLP142151		EVLP14151
	1	EVLP143151	EVLPBX143151	EVLP143151		
	1 1/4				EVLPJ144151	
Pulse Start Metal Halide						
150W	3/4	EVLP192151 S828	EVLPBX192151 S828	EVLP192151 S828		EVLP19150 S828
	1	EVLP193151 S828	EVLPBX193151 S828	EVLP193151 S828		
	1 1/4				EVLPJ194151 S828	
175W	3/4	EVLP192171 S828	EVLPBX192171 S828	EVLP192171 S828		EVLP19175 S828
	1	EVLP193171 S828	EVLPBX193171 S828	EVLP193171 S828		
	1 1/4				EVLPJ194171 S828	
Metal Halide						
70W	3/4	EVLP192071	EVLPBX192071	EVLP192071		EVLP19070
	1	EVLP193071	EVLPBX193071	EVLP193071		
	1 1/4				EVLPJ194071	
100W	3/4	EVLP192101	EVLPBX192101	EVLP192101		EVLP19100
	1	EVLP193101	EVLPBX193101	EVLP193101		
	1 1/4				EVLPJ194101	
175W	3/4	EVLP192171	EVLPBX192171	EVLP192171		EVLP19175
	1	EVLP193171	EVLPBX193171	EVLP193171		
	1 1/4				EVLPJ194171	

Complete Catalog Number as follows:

Standard Voltage Ballasts – 60Hz						
1. NEC/UL			CEC/CSA (cUL)			
Voltage Suffix	Multi Tap /MT	120V /120	480V /480	Tri Tap /TT	120V /120	
Optional Voltage Ballasts – 50 or 60Hz						
*CEC/CSA (cUL)– CWI Isolated Ballasts				EXPORT		
Voltage Suffix	208V CWI /208CWI	240V CWI /240CWI	600V CWI /600CWI	220V 60Hz /220	220V 50Hz /220 50	230V 50Hz /230 50 240V 50Hz /240 50
2. 150W HPS Luminaires only						
• 55V lamps – add suffix "LX"						
• 100V lamps – add suffix "CE"						

†Ceiling and bracket mounts have 4 hubs: 3 are plugged.

*CWI Isolated Ballasts are only available for high pressure sodium and 175W metal halide (non pulse start) luminaires.

EVLP Low Profile Hazard•Gard®

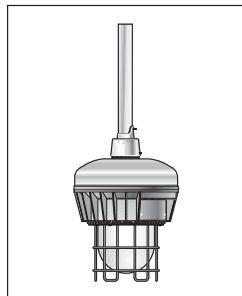
Mogul Base

Cl. I, Div. 1, Groups B (GB suffix), C, D
Cl. I, Zone 1, Groups IIB + H₂
(with GB suffix), IIB, IIA
Cl. II, Div. 1, Groups E, F, G; Class III

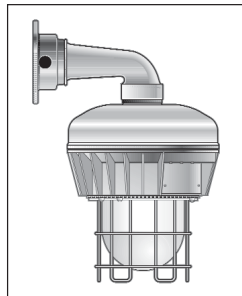
Marine & Wet Locations
3, 3R, 4, 4X; IP66

4L

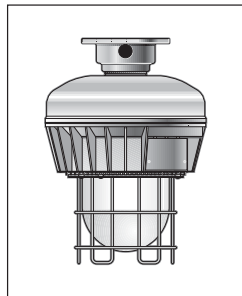
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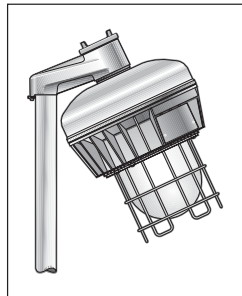
Pendant Mount



†Wall Bracket Mount



†Ceiling Mount



Stanchion Mount

		Pendant	Wall Bracket	Ceiling	Stanchion	Luminaire Body Less Mounting Module & Guard
Watt	Hub Size (In.)	With Guard Cat. #	With Guard Cat. #	With Guard Cat. #	With Guard Cat. #	Cat. #
High Pressure Sodium						
70W	3/4 1 1 1/4	EVLPA042071 EVLPA043071	EVL PBX042071 EVL PBX043071	EVL PCX042071 EVL PCX043071	EVLPJ044071	EVLP04070
100W	3/4 1 1 1/4	EVLPA042101 EVLPA043101	EVL PBX042101 EVL PBX043101	EVL PCX042101 EVL PCX043101	EVLPJ044101	EVLP04100
150W	3/4 1 1 1/4	EVLPA042151 EVLPA043151	EVL PBX042151 EVL PBX043151	EVL PCX042151 EVL PCX043151	EVLPJ044151	EVLP04150
Pulse Start Metal Halide						
150W	3/4 1 1 1/4	EVLPA092151S828 EVLPA093151S828	EVL PBX092151S828 EVL PBX093151S828	EVL PCX092151S828 EVL PCX093151S828	EVLPJ094151S828	EVLP09150S828
175W	3/4 1 1 1/4	EVLPA092171S828 EVLPA093171S828	EVL PBX092171S828 EVL PBX093171S828	EVL PCX092171S828 EVL PCX093171S828	EVLPJ094171S828	EVLP09170S828
200W	3/4 1 1 1/4	EVLPA092201S828 EVLPA093201S828	EVL PBX092201S828 EVL PBX093201S828	EVL PCX092201S828 EVL PCX093201S828	EVLPJ094201S828	EVLP09201S828
250W	3/4 1 1 1/4	EVLPA092251S828 EVLPA093251S828	EVL PBX092251S828 EVL PBX093251S828	EVL PCX092251S828 EVL PCX093251S828	EVLPJ094251S828	EVLP09250S828
Metal Halide						
70W	3/4 1 1 1/4	EVLPA092071 EVLPA093071	EVL PBX092071 EVL PBX093071	EVL PCX092071 EVL PCX093071	EVLPJ094071	EVLP09070
100W	3/4 1 1 1/4	EVLPA092101 EVLPA093101	EVL PBX092101 EVL PBX093101	EVL PCX092101 EVL PCX093101	EVLPJ094101	EVLP09100
175W	3/4 1 1 1/4	EVLPA092171 EVLPA093171	EVL PBX092171 EVL PBX093171	EVL PCX092171 EVL PCX093171	EVLPJ094171	EVLP09170
250W	3/4 1 1 1/4	EVLPA092251 EVLPA093251	EVL PBX092251 EVL PBX093251	EVL PCX092251 EVL PCX093251	EVLPJ094251	EVLP09250

Complete Catalog Number as follows:

Standard Voltage Ballasts – 60Hz

		NEC/UL		CEC/CSA (cUL)	
1.	Voltage Suffix	Multi Tap /MT	120V /120	Tri Tap /TT	120V /120

Optional Voltage Ballasts – 50 or 60Hz

*CEC/CSA (cUL)– CWI Isolated Ballasts				EXPORT			
Voltage Suffix	208V CWI /208CWI	240V CWI /240CWI	600V CWI /600CWI	220V 60Hz /220	220V 50Hz /220 50	230V 50Hz /230 50	240V 50Hz /240 50

2. 150W HPS Luminaires only

- 55V lamps – add suffix "LX"
- 100V lamps – add suffix "CE"

Example: EVLPA043151/MT-LX

†Ceiling and wall bracket mounts have 4 hubs: 3 are plugged.

*CWI Isolated Ballasts are only available for high pressure sodium and 175W–250W metal halide (non pulse start) luminaires.

4L

EVLP Low Profile Hazard•Gard®

Ordering by Components

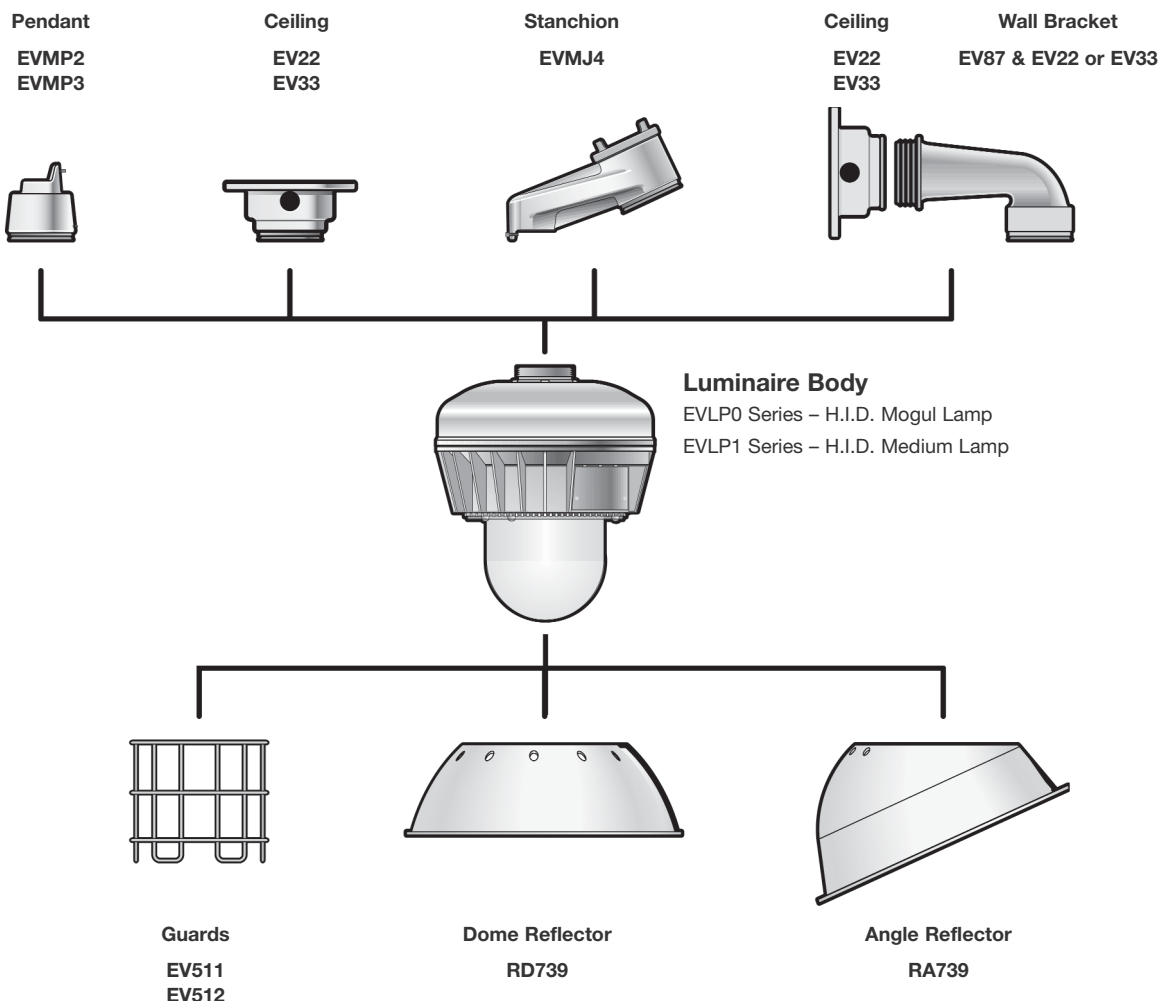
EVLP Luminaires are available in components.

A complete luminaire consists of:

- Mounting Module
- Luminaire Body
- Guard, Dome Reflector or Angle Reflector

Mounting Modules:

Type	Conduit	Cat. #
Pendant	3/4" 1"	EVMP2 EVMP3
Ceiling & Wall Box	3/4" 1"	EV22 EV33
Wall Bracket Arm	Use EV22 or EV33 box with EV87	EV87
Stanchion	1 1/4"	EVMJ4
Guards		
Medium		EV511
Mogul		EV512
Reflectors		
Dome		RD739
Angle		RA739



Medium Base Lamp Luminaires:

Maximum Ambient	Watts	Class I, Group B (w/GB suffix) Groups C, D			Class II, Groups E, F, G Class III Simultaneous Presence	
		40°C	55°C	65°C	40°C	Supply Wire °C
High Pressure Sodium	70W	T5	T4A	T4A	T4A	90°C
	100W	T4A	T4A	T4	T4	90°C
	150W	T4	T3C	—	—	90°C
Metal Halide (including pulse start)	70W	T5	T4A	T4A	T4	85°C
	100W	T3C	T3C	—	—	90°C
	150W	T3C	T3B	—	—	90°C
	175W	T3C	T3B	—	—	90°C

Mogul Base Lamp Luminaires:

Maximum Ambient	Watts	Class I, Group B (w/GB suffix) Groups C, D			Class II, Groups E, F, G Class III Simultaneous Presence	
		40°C	55°C	65°C	40°C	Supply Wire °C
High Pressure Sodium	70W	T6	T5	T5	T5	90°C
	100W	T5	T4A	—	T4A	90°C
	150W	T4A	T4	—	T4	90°C
Metal Halide (including pulse start)	70W	T6	T5	T5	T5	85°C
	100W	T5	T4A	T4A	T4A	90°C
	150W	T4	T3C	—	T3C	90°C
	175W	T4	T3C	—	T3C	90°C
	200W	T3C	—	—	—	90°C
	250W	T3C	—	—	—	90°C

4L

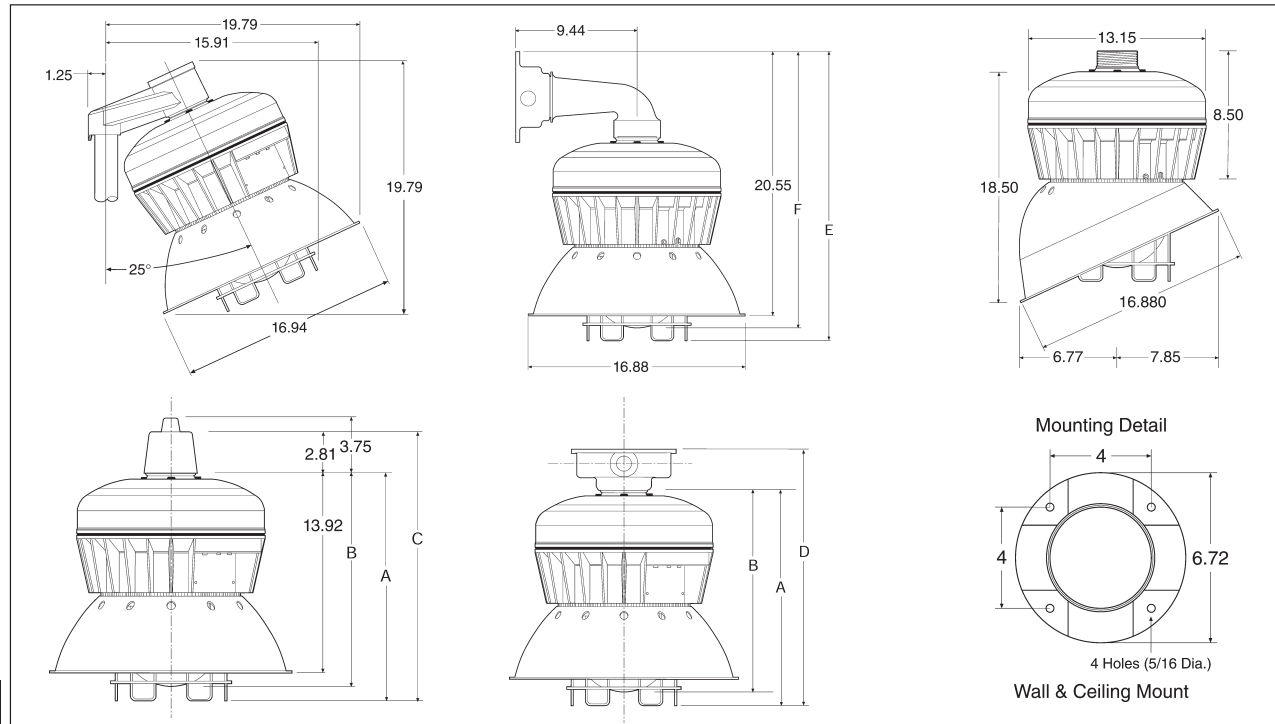
EVLP Low Profile Hazard•Gard®

Dimensions and Weights

Dimensions

In Inches:

	A	B	C	D	E	F
Medium Base	13.92	12.73	16.50	16.71	20.59	19.36
Mogul Base	15.69	14.69	18.25	18.46	22.34	21.30



Weights (lbs.):

		Luminaire w/guard	
Source	Watts	Medium	Mogul
High Pressure Sodium	70	34	36.5
	100	36	38.5
	150	36.5	39
Metal Halide	70	33.5	36
	100	34.5	37
	150	36	38.5
	175	36	38.5
	200	—	40.5
	250	—	40.5
		Medium	Mogul
Add Mounting Modules:			
Pendant		1	1
Ceiling		2	2
Bracket		4.5	4.5
Stanchion		2.5	2.5
Add For Reflectors:			
RA739		1	1
RD739		1	1
Deduct for Wire Guard		0.5	0.5

EVLP Low Profile
Hazard•Gard®

Medium Base

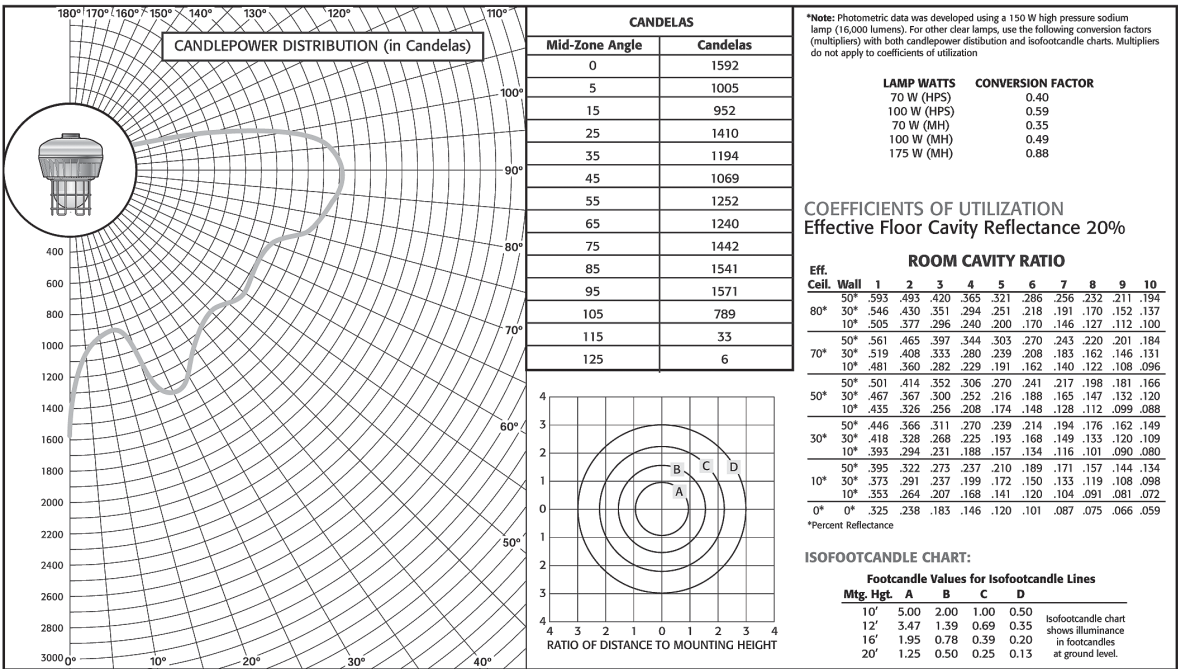
Photometric Data

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Medium Base

Luminaire with Globe and Guard

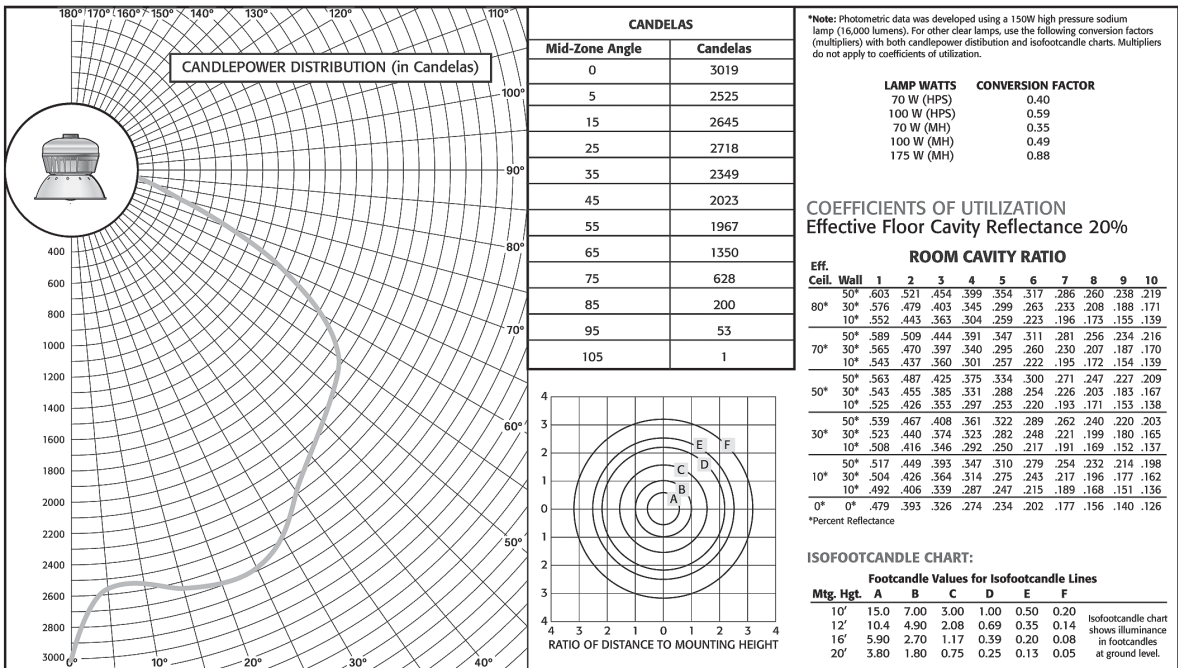
EVLP143151 Lamp: 150W/B17 High Pressure Sodium (HPS)



Medium Base

Luminaire with Globe and Dome Reflector (Less Guard)

EVLP143150RD Lamp: 150W/B17 High Pressure Sodium (HPS)



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EVLP Low Profile Hazard•Gard®

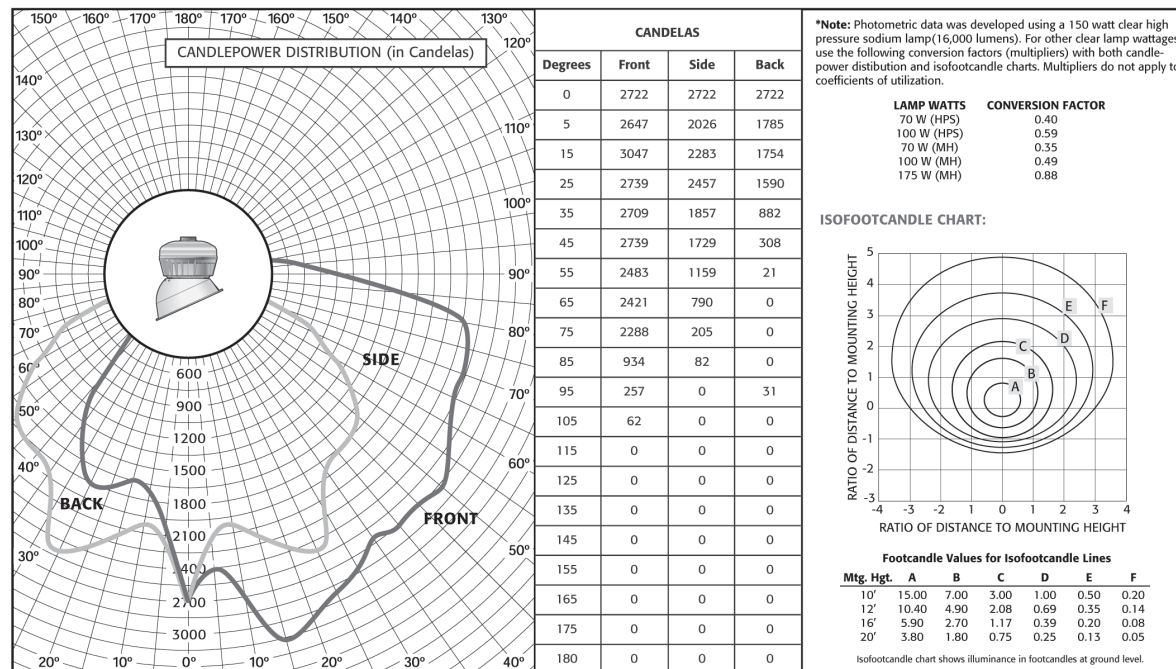
Photometric Data

Medium and Mogul Base

Medium Base

Luminaire with Globe and 30° Angle Reflector (Less Guard)

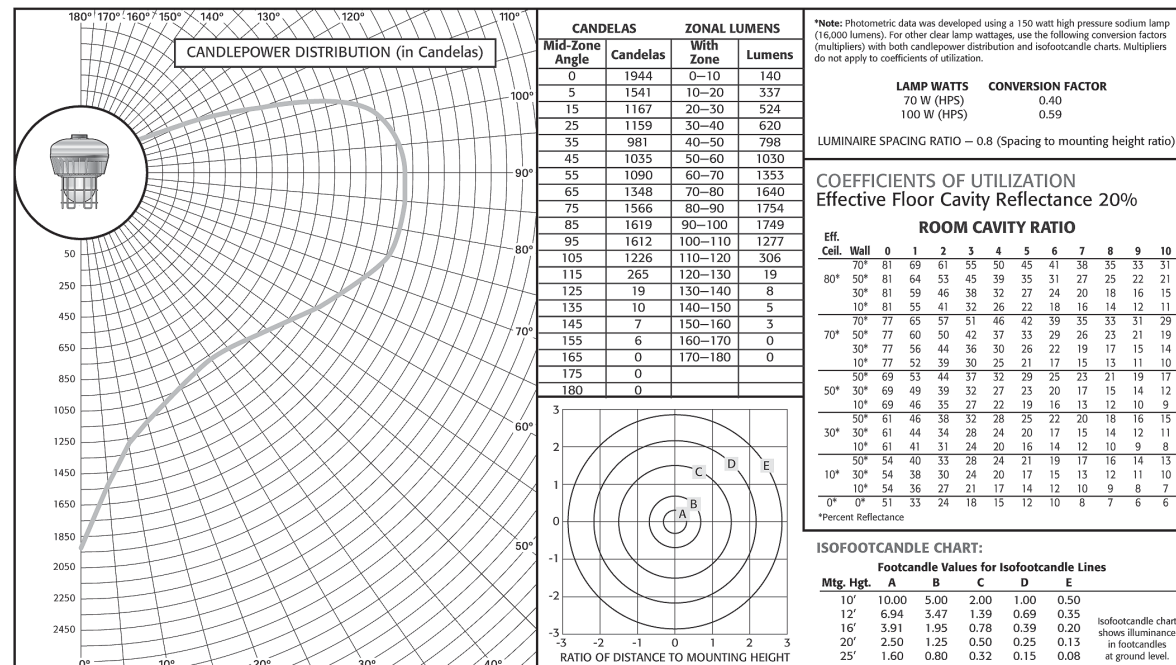
EVLP143150RA Lamp: 150W/B17 High Pressure Sodium (HPS)



Mogul Base

Luminaire with Globe and Guard

EVLP143151 Lamp: 150W/E23-1/2 High Pressure Sodium (HPS)



EVLP Low Profile
Hazard•Gard®

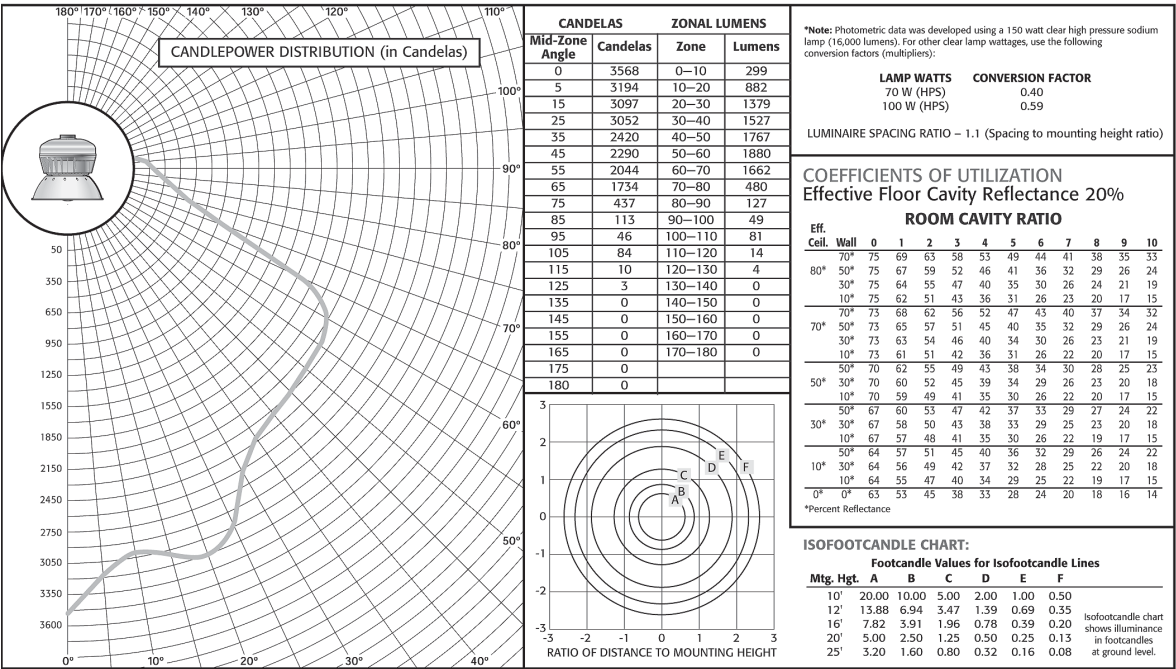
Mogul Base

Photometric Data

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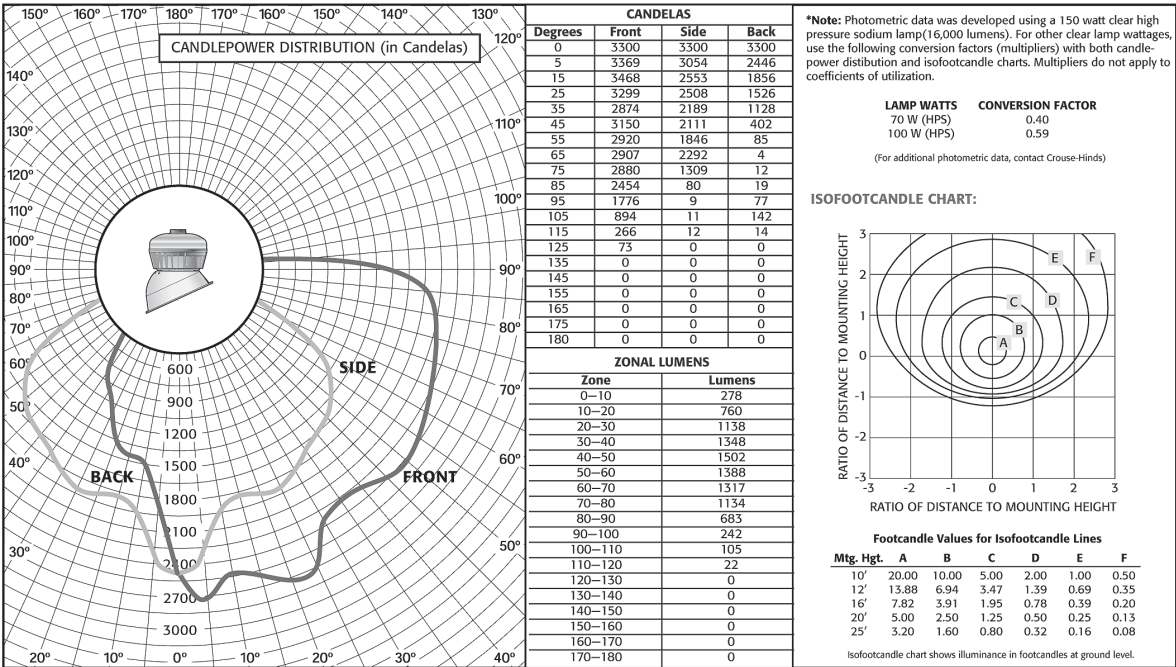
Mogul Base

Luminaire with Globe and Dome Reflector (Less Guard)
EVLP043150RD Lamp: 150W/E23-1/2 High Pressure Sodium (HPS)



Mogul Base

Luminaire with Globe and 30° Angle Reflector (Less Guard)
EVLP043150RA Lamp: 150W/E23-1/2 High Pressure Sodium (HPS)



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EVLP Low Profile Hazard®Gard®

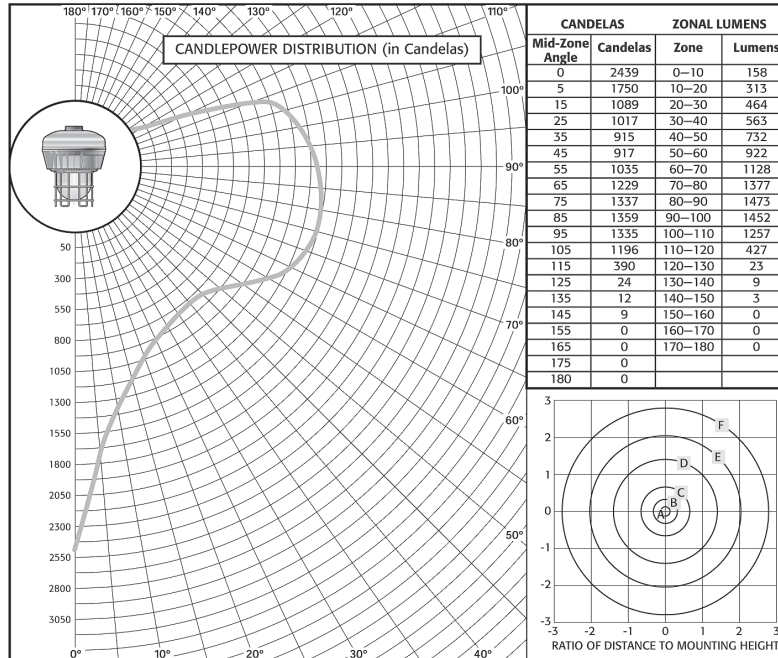
Mogul Base

Photometric Data

Mogul Base

Luminaire with Globe and Guard

EVLPA093171 Lamp: 175W/ED28 Metal Halide (MH)



*Note: Photometric data was developed using a 175 watt clear metal halide lamp (14,000 lumens). For other clear lamp wattages, use the following conversion factors (multipliers) with both candlepower distribution and isocandela charts. Multipliers do not apply to coefficients of utilization.

LAMP WATTS	CONVERSION FACTOR
70 W (MH)	0.40
100 W (MH)	0.56
250 W (MH)	1.46

LUMINAIRE SPACING RATIO – 0.4 (Spacing to mounting height ratio)
(For additional photometric data, contact Crouse-Hinds)

COEFFICIENTS OF UTILIZATION
Effective Floor Cavity Reflectance 20%

		ROOM CAVITY RATIO										
Eff. Ceil.	Wall	0	1	2	3	4	5	6	7	8	9	10
80*	70	82	70	62	56	51	46	43	39	36	34	31
	50	82	65	54	46	41	36	32	28	26	23	21
	30	82	60	48	39	33	28	25	21	19	17	15
	10	82	56	42	33	28	23	19	17	14	13	11
70*	70	78	66	58	52	47	43	40	36	34	31	29
	50	78	61	51	44	38	34	30	27	24	22	20
	30	78	57	45	37	31	27	23	20	18	16	14
	10	78	53	40	32	26	22	18	16	14	12	11
50*	50	69	54	45	38	33	29	26	23	21	19	18
	30	69	50	40	33	28	24	21	18	16	14	13
	10	69	47	36	28	23	19	16	14	12	11	10
	0	61	47	39	33	29	26	23	20	19	17	16
30*	30	61	44	35	28	24	21	18	16	14	13	11
	10	61	42	31	25	21	17	15	12	11	10	9
	0	54	41	33	28	25	22	20	18	16	15	14
	0	54	37	27	22	18	15	13	11	10	8	7
10*	10	54	37	27	22	18	15	13	11	9	8	7
	0	51	33	24	19	15	13	11	9	8	7	6

*Percent Reflectance

ISOFOOTCANDLE CHART:
Footcandle Values for Isofootcandle Lines

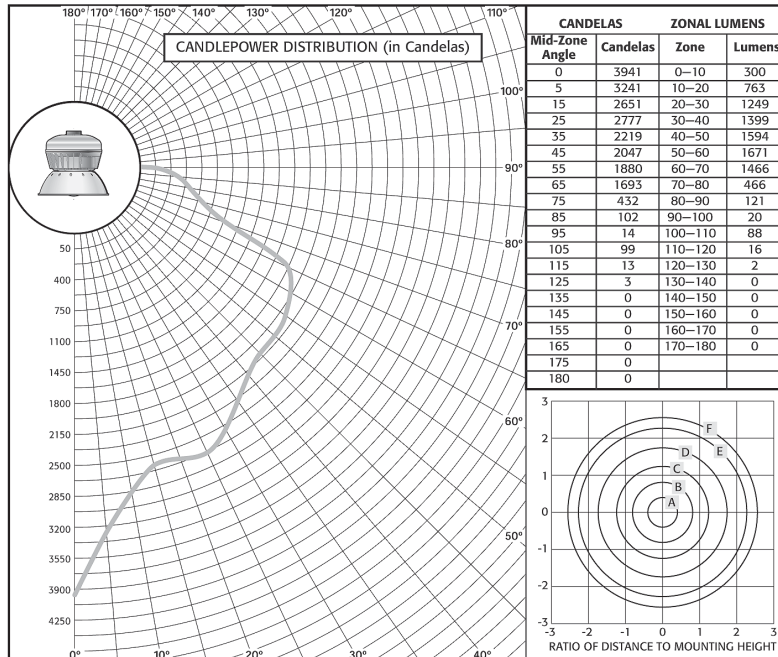
Mtg. Hgt.	A	B	C	D	E	F
10'	20.00	10.00	5.00	2.00	1.00	0.50
12'	13.88	6.94	3.47	1.39	0.69	0.35
16'	7.82	3.91	1.96	0.78	0.39	0.20
20'	5.00	2.50	1.25	0.50	0.25	0.13
25'	3.20	1.60	0.80	0.32	0.16	0.08

Isofootcandle chart shows illuminance in footcandles at ground level.

Mogul Base

Luminaire with Globe and Dome Reflector (Less Guard)

EVLPA093170RD Lamp: 175W/ED28 Metal Halide (MH)



*Note: Photometric data was developed using a 175 watt clear metal halide lamp (14,000 lumens). For other clear lamp wattages, use the following conversion factors (multipliers) with both candlepower distribution and isocandela charts. Multipliers do not apply to coefficients of utilization.

LAMP WATTS	CONVERSION FACTOR
70 W (MH)	0.40
100 W (MH)	0.56
250 W (MH)	1.46

LUMINAIRE SPACING RATIO – 1.0 (Spacing to mounting height ratio)

COEFFICIENTS OF UTILIZATION
Effective Floor Cavity Reflectance 20%

		ROOM CAVITY RATIO										
Eff. Ceil.	Wall	0	1	2	3	4	5	6	7	8	9	10
80*	70	78	71	65	60	55	50	46	42	39	36	34
	50	78	69	60	53	47	42	37	33	30	27	25
	30	78	66	56	48	42	36	31	27	24	22	20
	10	78	64	53	44	37	32	27	23	21	18	16
70*	70	76	70	64	58	53	49	45	41	38	35	33
	50	76	67	59	52	46	41	37	33	30	27	24
	30	76	65	55	47	41	36	31	27	24	22	19
	10	76	62	52	44	37	32	27	23	20	18	16
50*	50	72	64	57	50	45	40	35	31	29	26	24
	30	72	62	53	46	40	35	30	27	24	21	19
	10	72	60	51	43	37	31	27	23	20	18	16
	0	69	61	54	48	43	38	34	30	28	25	23
30*	30	69	60	52	45	39	34	30	26	23	21	19
	10	69	58	49	42	36	31	26	23	20	18	16
	0	66	58	52	46	41	37	33	30	27	24	22
	0	66	58	50	43	38	33	29	26	23	20	18
10*	10	66	56	48	41	35	30	26	23	20	18	16
	0	65	55	47	40	34	29	25	21	19	16	14

*Percent Reflectance

ISOFOOTCANDLE CHART:
Footcandle Values for Isofootcandle Lines

Mtg. Hgt.	A	B	C	D	E	F
10'	20.00	10.00	5.00	2.00	1.00	0.50
12'	13.88	6.94	3.47	1.39	0.69	0.35
16'	7.82	3.91	1.96	0.78	0.39	0.20
20'	5.00	2.50	1.25	0.50	0.25	0.13
25'	3.20	1.60	0.80	0.32	0.16	0.08

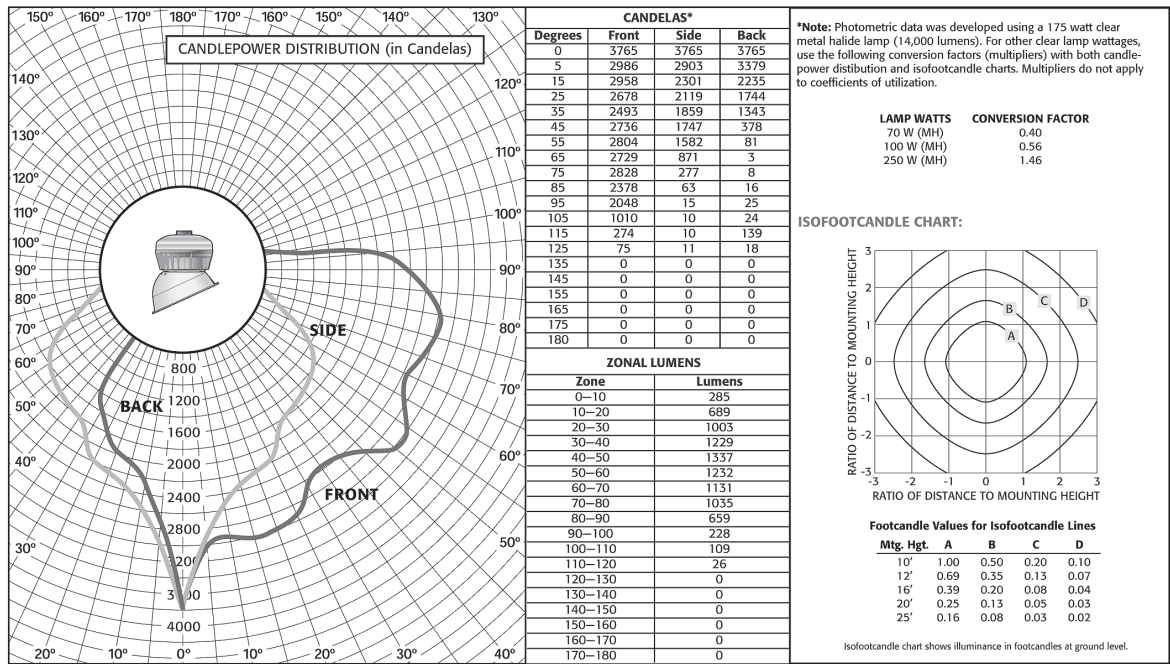
Isofootcandle chart shows illuminance in footcandles at ground level.

Mogul Base

Mogul Base

Luminaire with Globe and 30° Angle Reflector (Less Guard)

EVLP A093170RA Lamp: 175W/ED28 Metal Halide (MH)



EVLP Low Profile Hazard•Gard® (H.I.D.) Luminaires

Medium and Mogul Base

Cl. I, Div. 1, Groups B
(GB suffix), C, D
Cl. I, Zone 1, Groups IIB + H₂
(with suffix – GB), IIB, IIA
Cl. II, Div. 1, Groups E, F, G;
Class III

Marine & Wet
Locations
3, 3R, 4, 4X; IP66

4L

Applications:

- Eaton's Crouse-Hinds Low Profile Hazard•Gard® luminaires are used in:
- Areas where flammable or explosive vapors or gases are present
 - Hazardous areas, both indoors and outdoors, where long life and low maintenance costs are desired
 - Petroleum refineries, chemical, petrochemical and pharmaceutical plants, oil terminals, gas plants and other heavy process industry facilities
 - Waste treatment facilities
 - Drilling platforms and other coastal and offshore hazardous areas

Features and Benefits:

- Small, compact size is perfect where low mounting restrictions are a concern.
- Two start Acme threaded construction allows for easier assembly, installation and maintenance.
- Lightweight copper-free aluminum housing with powdered epoxy finish for superior corrosion resistance.
- All exterior hardware is corrosion-resistant stainless steel.
- Four mounting arrangements: pendant, ceiling, wall bracket and stanchion suit any lighting layout.
- Wide range of light sources and wattages to meet specific lighting needs.
- Marine and NEMA 4X construction suitable for outdoor, hose down, marine and corrosive environments.
- Integral ballast for lowest installed cost.
- High power factor (90%+) ballasts allows more fixtures per circuit.
- Uses same mounting modules as the standard Hazard•Gard® for easy retrofitting when the EVLP is the preferred choice.
- Internally fluted glass globe reduces glare and distributes light evenly – ideal for adverse environments typical of industrial facilities.
- Krydon® construction dome and angle reflectors – won't rust, corrode, dent, chip or peel
- Now available in components – luminaire body, mounting module, guard, reflectors – allowing for easy stocking for Quick Ship requirements.



Certifications and Compliances:

- NEC and CEC:
Class I, Division 1, Groups B
(with suffix GB), C, D – All Wattages
Class I, Zone 1, Groups IIB + H₂
(with suffix GB), IIB, IIA – All Wattages
Class II and Class III
- UL Standards:
844, Hazardous (Classified) Locations
1598 Luminaires
1598A Marine Locations
- CSA Standards
C22.2 No. 137

Options:

Description	Suffix
• Group B suitability	GB
• Ballast-Gard™ (HPS only)	BG
• Instant restrike (Mogul Base only)	IR
70–150W LX HPS	
• Cannot use with BG Option	
• Fused (not suitable for marine applications).....	S658*
• Quartz auxiliary lighting	
(Mogul Base only)	QTZ
• Cannot use with IR option	
• Uses 100W single ended double contract lamp	
• Quartz lamp not included	
• Factory assembled with lamps	FA

*When ordering fuses for luminaires, option S658, you must specify the operating voltage.
S658 cannot be ordered with /MT in the catalog number.

Accessories:

Description	Cat. #
Dome reflector	RD739
Angle reflector	RA739

Standard Materials:

- Mounting modules, cover, ballast housing, globe holder – copper-free aluminum
- Globe – heat and impact resistant glass
- Exterior hardware – stainless steel
- Reflectors (dome & angle) – Krydon® fiberglass-reinforced polyester

Standard Finishes:

- Copper-free aluminum – Corro-free™ powdered epoxy
- Krydon – white
- Stainless steel guard

Ratings (Electrical/Size):

Sources/Wattage:

- Medium Base 70–150W HPS, 70–175W MH
- Mogul Base 70–150W HPS, 70–250W MH

Voltages:

- Medium & Mogul H.I.D.
120V 60Hz
Multi-tap (120, 208, 240, 277V 60Hz)
Tri-tap (120, 277, 347V 60Hz)
480V 60Hz
Other voltages – consult Eaton's Crouse-Hinds

Conduit Entries:

- ¾", 1" NPT – pendant, wall bracket, ceiling
- 1¼" NPT – stanchion

4L

4L

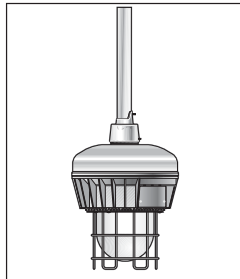
EVLP Low Profile Hazard•Gard®

Medium Base

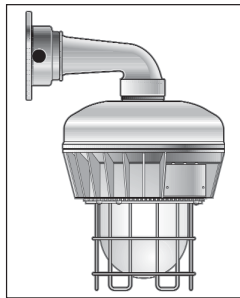
Cl. I, Div. 1, Groups B
(GB suffix), C, D
Cl. I, Zone 1, Groups IIB + H₂
(with GB suffix), IIB, IIA
Cl. II, Div. 1, Groups E, F, G;
Class III

Marine & Wet Locations
3, 3R, 4, 4X; IP66

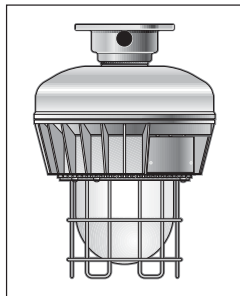
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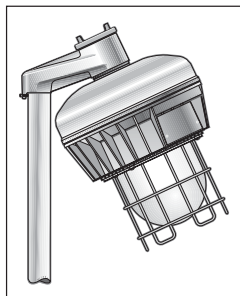
Pendant Mount



†Wall Bracket Mount



†Ceiling Mount



Stanchion Mount

		Pendant	Wall Bracket	Ceiling	Stanchion	Luminaire Body Less Mounting Module & Guard
Watt	Hub Size (In.)	With Guard Cat. #	With Guard Cat. #	With Guard Cat. #	With Guard Cat. #	Cat. #
High Pressure Sodium						
70W	3/4	EVLP142071	EVLPBX142071	EVLP142071		EVLP14070
	1	EVLP143071	EVLPBX143071	EVLP143071		
	1 1/4				EVLPJ144071	
100W	3/4	EVLP142101	EVLPBX142101	EVLP142101		EVLP14100
	1	EVLP143101	EVLPBX143101	EVLP143101		
	1 1/4				EVLPJ144101	
150W	3/4	EVLP142151	EVLPBX142151	EVLP142151		EVLP14151
	1	EVLP143151	EVLPBX143151	EVLP143151		
	1 1/4				EVLPJ144151	
Pulse Start Metal Halide						
150W	3/4	EVLP192151 S828	EVLPBX192151 S828	EVLP192151 S828		EVLP19150 S828
	1	EVLP193151 S828	EVLPBX193151 S828	EVLP193151 S828		
	1 1/4				EVLPJ194151 S828	
175W	3/4	EVLP192171 S828	EVLPBX192171 S828	EVLP192171 S828		EVLP19175 S828
	1	EVLP193171 S828	EVLPBX193171 S828	EVLP193171 S828		
	1 1/4				EVLPJ194171 S828	
Metal Halide						
70W	3/4	EVLP192071	EVLPBX192071	EVLP192071		EVLP19070
	1	EVLP193071	EVLPBX193071	EVLP193071		
	1 1/4				EVLPJ194071	
100W	3/4	EVLP192101	EVLPBX192101	EVLP192101		EVLP19100
	1	EVLP193101	EVLPBX193101	EVLP193101		
	1 1/4				EVLPJ194101	
175W	3/4	EVLP192171	EVLPBX192171	EVLP192171		EVLP19175
	1	EVLP193171	EVLPBX193171	EVLP193171		
	1 1/4				EVLPJ194171	

Complete Catalog Number as follows:

Standard Voltage Ballasts – 60Hz						
1. NEC/UL			CEC/CSA (cUL)			
Voltage Suffix	Multi Tap /MT	120V /120	480V /480	Tri Tap /TT	120V /120	
Optional Voltage Ballasts – 50 or 60Hz						
*CEC/CSA (cUL)– CWI Isolated Ballasts				EXPORT		
Voltage Suffix	208V CWI /208CWI	240V CWI /240CWI	600V CWI /600CWI	220V 60Hz /220	220V 50Hz /220 50	230V 50Hz /230 50 240V 50Hz /240 50
2. 150W HPS Luminaires only						
• 55V lamps – add suffix "LX"						
• 100V lamps – add suffix "CE"						

†Ceiling and bracket mounts have 4 hubs: 3 are plugged.

*CWI Isolated Ballasts are only available for high pressure sodium and 175W metal halide (non pulse start) luminaires.

EVLP Low Profile Hazard•Gard®

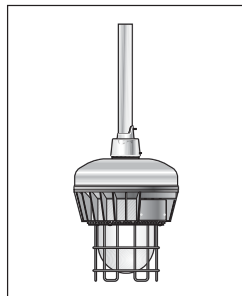
Mogul Base

Cl. I, Div. 1, Groups B (GB suffix), C, D
Cl. I, Zone 1, Groups IIB + H₂
(with GB suffix), IIB, IIA
Cl. II, Div. 1, Groups E, F, G; Class III

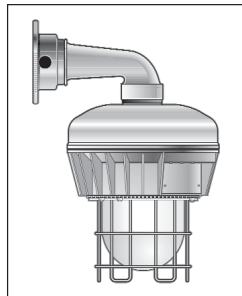
Marine & Wet Locations
3, 3R, 4, 4X; IP66

4L

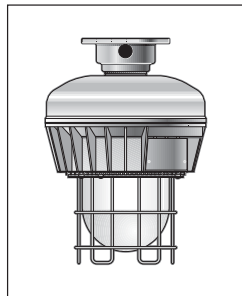
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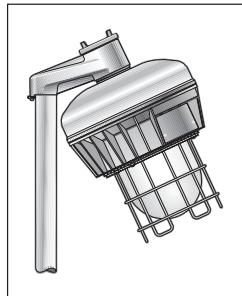
Pendant Mount



†Wall Bracket Mount



†Ceiling Mount



Stanchion Mount

		Pendant	Wall Bracket	Ceiling	Stanchion	Luminaire Body Less Mounting Module & Guard
Watt	Hub Size (In.)	With Guard Cat. #	With Guard Cat. #	With Guard Cat. #	With Guard Cat. #	Cat. #
High Pressure Sodium						
70W	3/4 1 1 1/4	EVLP0402071 EVLP0403071	EVLPBX0402071 EVLPBX0403071	EVLP0402071 EVLP0403071	EVLPJ044071	EVLP04070
100W	3/4 1 1 1/4	EVLP0402101 EVLP0403101	EVLPBX0402101 EVLPBX0403101	EVLP0402101 EVLP0403101	EVLPJ044101	EVLP04100
150W	3/4 1 1 1/4	EVLP0402151 EVLP0403151	EVLPBX0402151 EVLPBX0403151	EVLP0402151 EVLP0403151	EVLPJ044151	EVLP04150
Pulse Start Metal Halide						
150W	3/4 1 1 1/4	EVLP092151S828 EVLP093151S828	EVLPBX092151S828 EVLPBX093151S828	EVLP092151S828 EVLP093151S828	EVLPJ094151S828	EVLP09150S828
175W	3/4 1 1 1/4	EVLP092171S828 EVLP093171S828	EVLPBX092171S828 EVLPBX093171S828	EVLP092171S828 EVLP093171S828	EVLPJ094171S828	EVLP09170S828
200W	3/4 1 1 1/4	EVLP092201S828 EVLP093201S828	EVLPBX092201S828 EVLPBX093201S828	EVLP092201S828 EVLP093201S828	EVLPJ094201S828	EVLP09201S828
250W	3/4 1 1 1/4	EVLP092251S828 EVLP093251S828	EVLPBX092251S828 EVLPBX093251S828	EVLP092251S828 EVLP093251S828	EVLPJ094251S828	EVLP09250S828
Metal Halide						
70W	3/4 1 1 1/4	EVLP0902071 EVLP0903071	EVLPBX0902071 EVLPBX0903071	EVLP0902071 EVLP0903071	EVLPJ094071	EVLP09070
100W	3/4 1 1 1/4	EVLP0902101 EVLP0903101	EVLPBX0902101 EVLPBX0903101	EVLP0902101 EVLP0903101	EVLPJ094101	EVLP09100
175W	3/4 1 1 1/4	EVLP0902171 EVLP0903171	EVLPBX0902171 EVLPBX0903171	EVLP0902171 EVLP0903171	EVLPJ094171	EVLP09170
250W	3/4 1 1 1/4	EVLP0902251 EVLP0903251	EVLPBX0902251 EVLPBX0903251	EVLP0902251 EVLP0903251	EVLPJ094251	EVLP09250

Complete Catalog Number as follows:

Standard Voltage Ballasts – 60Hz							
1.	NEC/UL				CEC/CSA (cUL)		
Voltage Suffix	Multi Tap /MT	120V /120	480V /480	Tri Tap /TT	120V /120		
Optional Voltage Ballasts – 50 or 60Hz							
	*CEC/CSA (cUL)– CWI Isolated Ballasts				EXPORT		
Voltage Suffix	208V CWI /208CWI	240V CWI /240CWI	600V CWI /600CWI	220V 60Hz /220	220V 50Hz /220 50	230V 50Hz /230 50	240V 50Hz /240 50
2. 150W HPS Luminaires only							
• 55V lamps – add suffix "LX"							
• 100V lamps – add suffix "CE"							
Example: EVLP0403151/MT-LX							

†Ceiling and wall bracket mounts have 4 hubs: 3 are plugged.

*CWI Isolated Ballasts are only available for high pressure sodium and 175W–250W metal halide (non pulse start) luminaires.

4L

EVLP Low Profile Hazard•Gard®

Ordering by Components

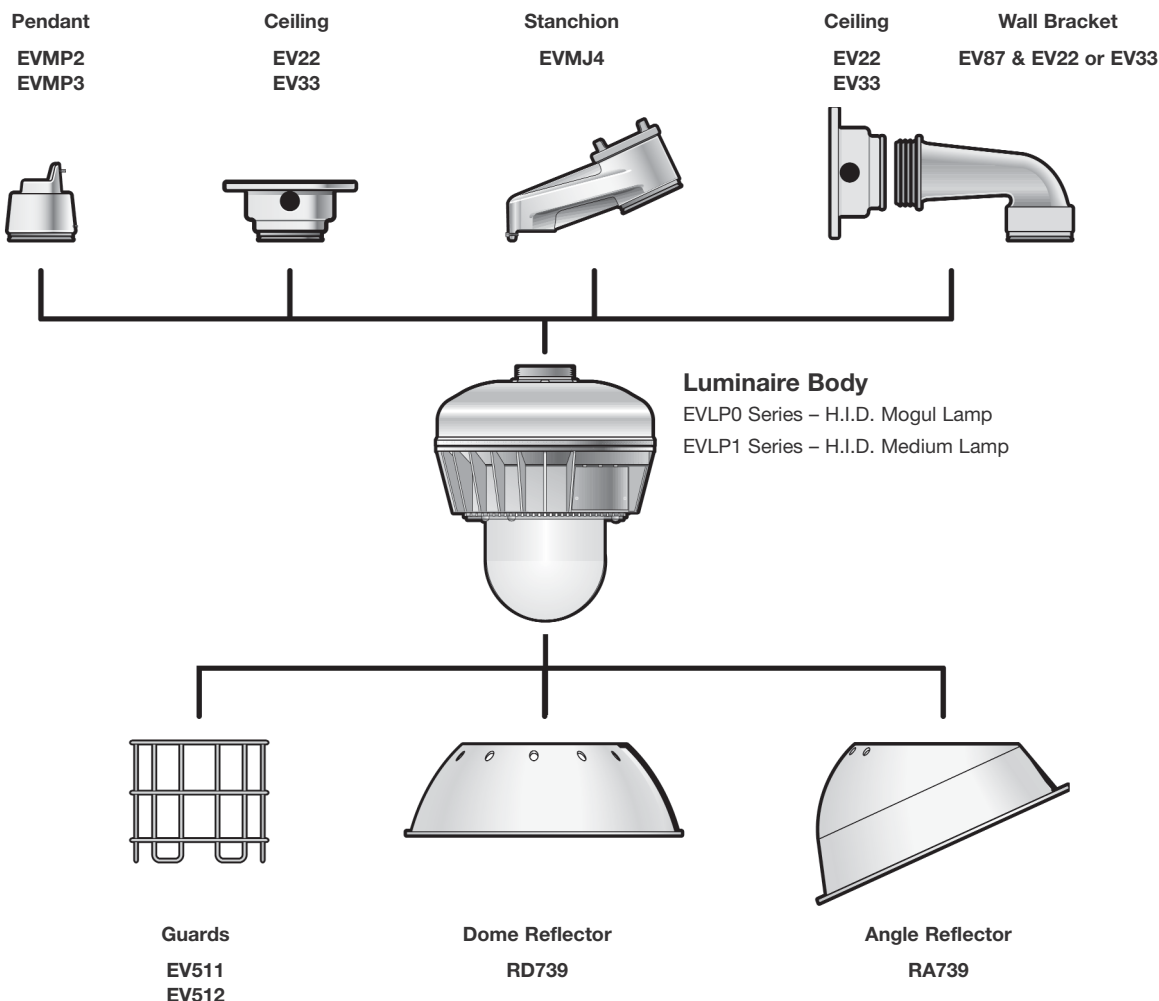
EVLP Luminaires are available in components.

A complete luminaire consists of:

- Mounting Module
- Luminaire Body
- Guard, Dome Reflector or Angle Reflector

Mounting Modules:

Type	Conduit	Cat. #
Pendant	3/4" 1"	EVMP2 EVMP3
Ceiling & Wall Box	3/4" 1"	EV22 EV33
Wall Bracket Arm	Use EV22 or EV33 box with EV87	EV87
Stanchion	1 1/4"	EVMJ4
Guards		
Medium		EV511
Mogul		EV512
Reflectors		
Dome		RD739
Angle		RA739



Medium Base Lamp Luminaires:

Maximum Ambient	Watts	Class I, Group B (w/GB suffix) Groups C, D			Class II, Groups E, F, G Class III Simultaneous Presence	
		40°C	55°C	65°C	40°C	Supply Wire °C
High Pressure Sodium	70W	T5	T4A	T4A	T4A	90°C
	100W	T4A	T4A	T4	T4	90°C
	150W	T4	T3C	—	—	90°C
Metal Halide (including pulse start)	70W	T5	T4A	T4A	T4	85°C
	100W	T3C	T3C	—	—	90°C
	150W	T3C	T3B	—	—	90°C
	175W	T3C	T3B	—	—	90°C

Mogul Base Lamp Luminaires:

Maximum Ambient	Watts	Class I, Group B (w/GB suffix) Groups C, D			Class II, Groups E, F, G Class III Simultaneous Presence	
		40°C	55°C	65°C	40°C	Supply Wire °C
High Pressure Sodium	70W	T6	T5	T5	T5	90°C
	100W	T5	T4A	—	T4A	90°C
	150W	T4A	T4	—	T4	90°C
Metal Halide (including pulse start)	70W	T6	T5	T5	T5	85°C
	100W	T5	T4A	T4A	T4A	90°C
	150W	T4	T3C	—	T3C	90°C
	175W	T4	T3C	—	T3C	90°C
	200W	T3C	—	—	—	90°C
	250W	T3C	—	—	—	90°C

4L

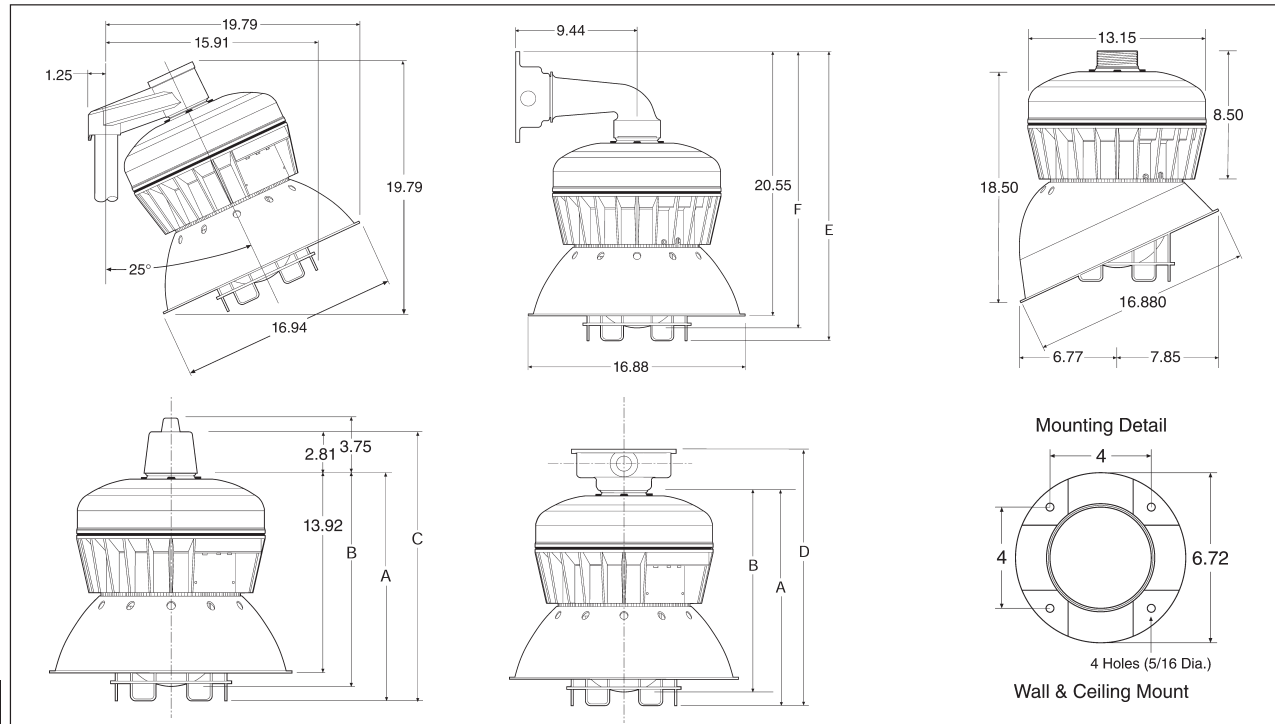
EVLP Low Profile Hazard•Gard®

Dimensions and Weights

Dimensions

In Inches:

	A	B	C	D	E	F
Medium Base	13.92	12.73	16.50	16.71	20.59	19.36
Mogul Base	15.69	14.69	18.25	18.46	22.34	21.30



4L

Weights (lbs.):

		Luminaire w/guard	
Source	Watts	Medium	Mogul
High Pressure Sodium	70	34	36.5
	100	36	38.5
	150	36.5	39
Metal Halide	70	33.5	36
	100	34.5	37
	150	36	38.5
	175	36	38.5
	200	—	40.5
	250	—	40.5
		Medium	Mogul
Add Mounting Modules:			
Pendant		1	1
Ceiling		2	2
Bracket		4.5	4.5
Stanchion		2.5	2.5
Add For Reflectors:			
RA739		1	1
RD739		1	1
Deduct for Wire Guard		0.5	0.5

EVLP Low Profile
Hazard•Gard®

Medium Base

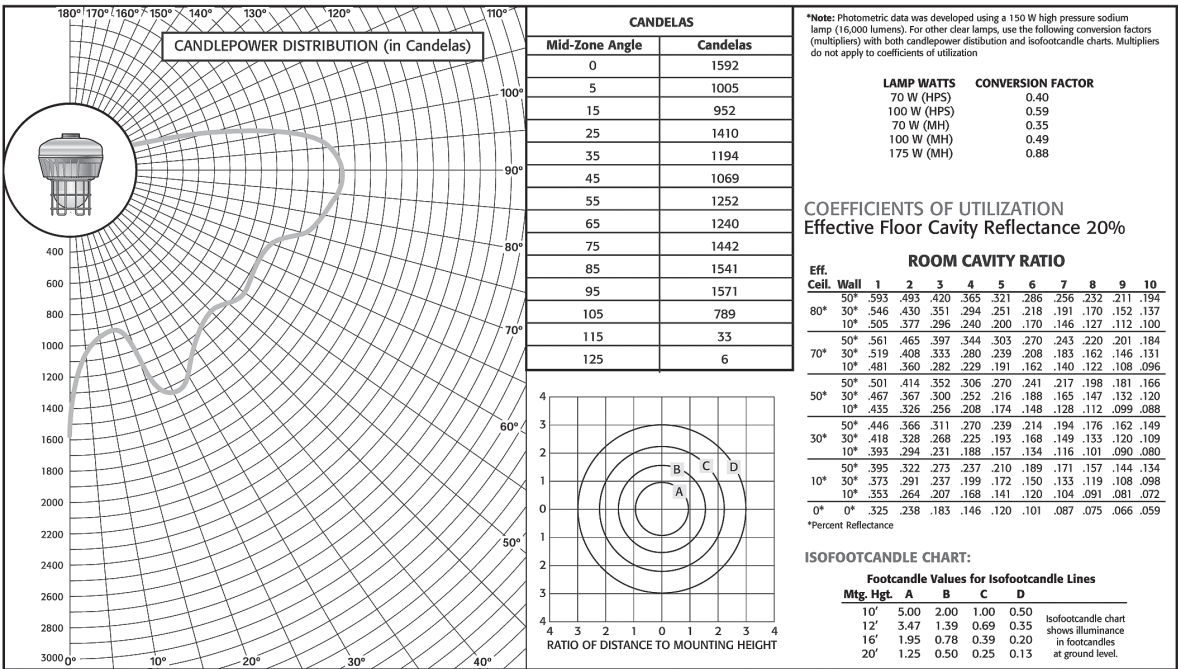
Photometric Data

4L

Medium Base

Luminaire with Globe and Guard

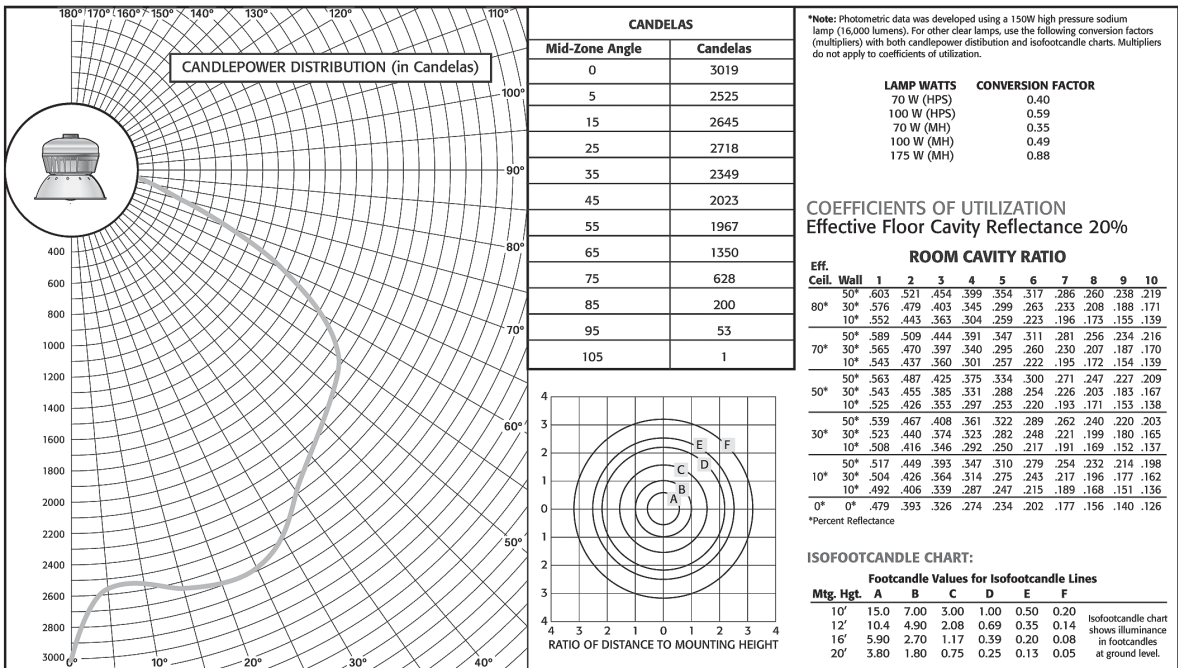
EVLP143151 Lamp: 150W/B17 High Pressure Sodium (HPS)



Medium Base

Luminaire with Globe and Dome Reflector (Less Guard)

EVLP143150RD Lamp: 150W/B17 High Pressure Sodium (HPS)



4L

4L

EVLP Low Profile Hazard•Gard®

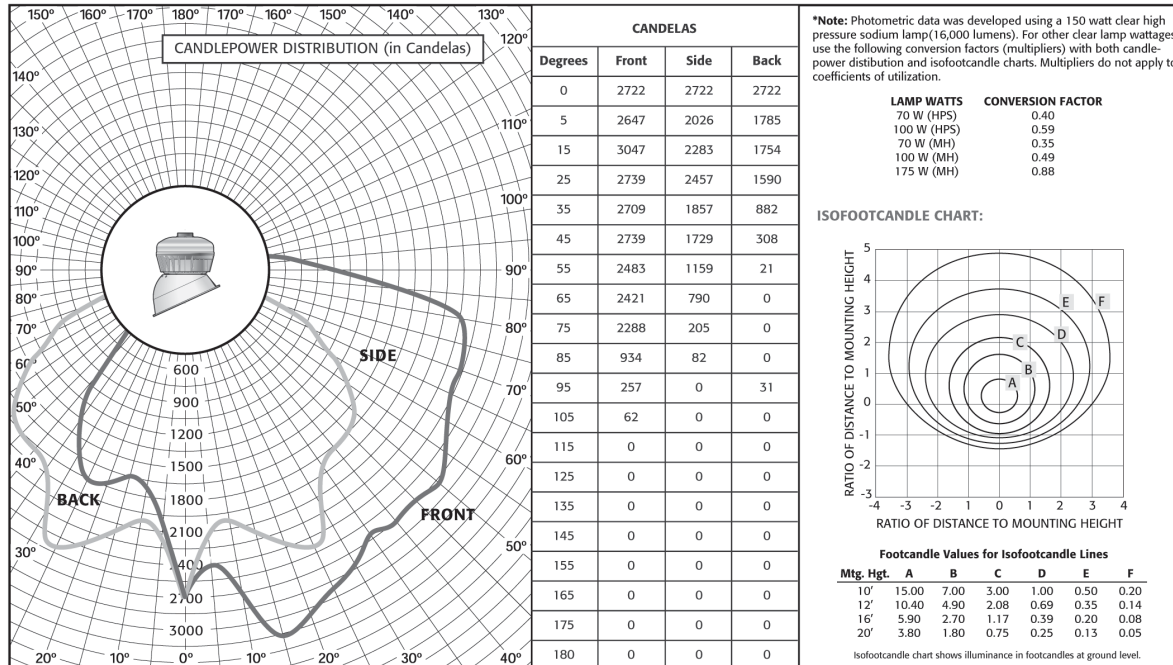
Photometric Data

Medium and Mogul Base

Medium Base

Luminaire with Globe and 30° Angle Reflector (Less Guard)

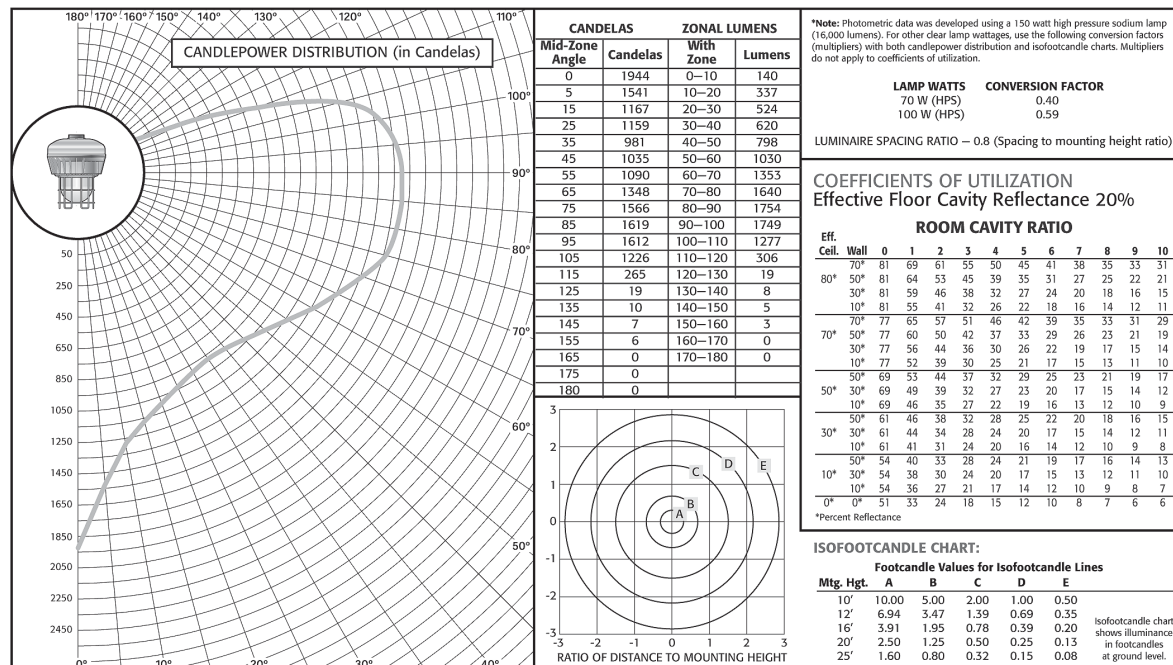
EVLPA143150RA Lamp: 150W/B17 High Pressure Sodium (HPS)



Mogul Base

Luminaire with Globe and Guard

EVLPA043151 Lamp: 150W/E23-1/2 High Pressure Sodium (HPS)



EVLP Low Profile
Hazard•Gard®

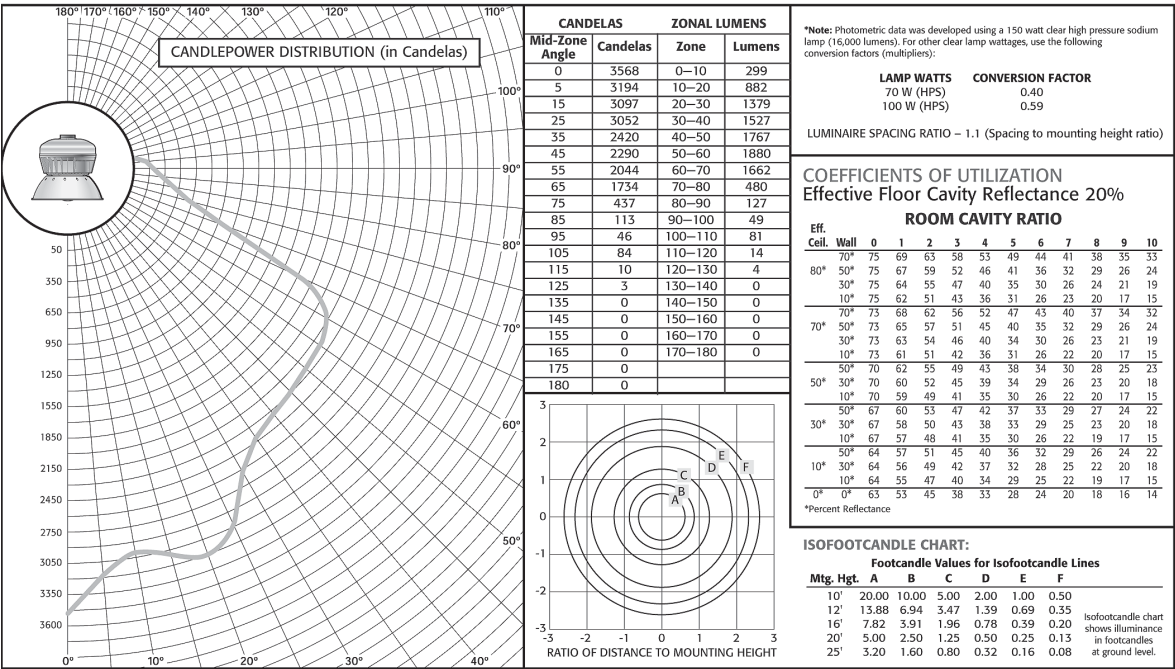
Mogul Base

Photometric Data

4L

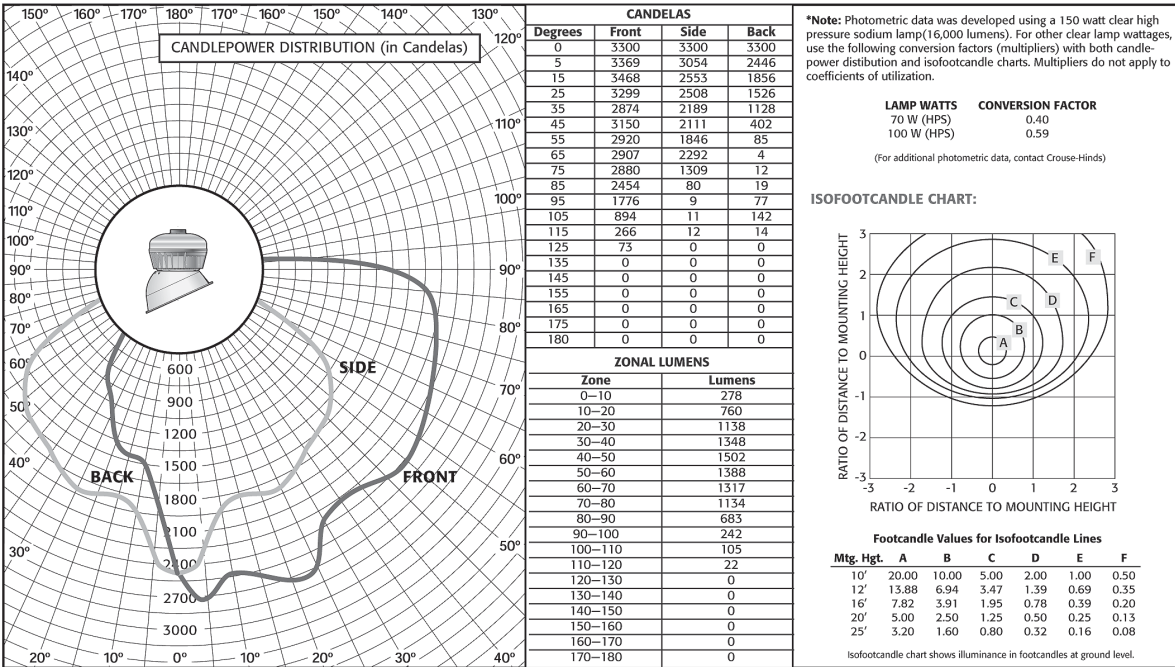
Mogul Base

Luminaire with Globe and Dome Reflector (Less Guard)
EVLP043150RD Lamp: 150W/E23-1/2 High Pressure Sodium (HPS)



Mogul Base

Luminaire with Globe and 30° Angle Reflector (Less Guard)
EVLP043150RA Lamp: 150W/E23-1/2 High Pressure Sodium (HPS)



4L

EVLP Low Profile Hazard•Gard®

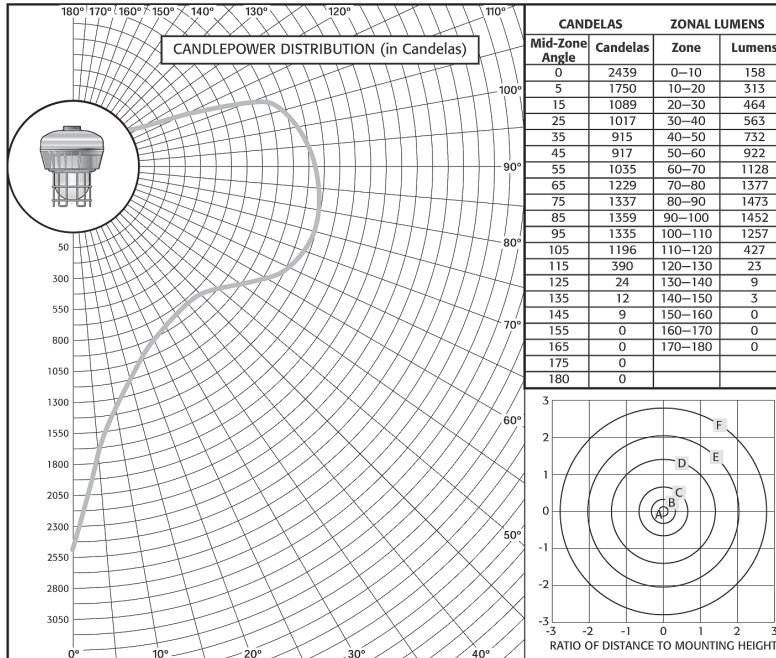
Mogul Base

Photometric Data

Mogul Base

Luminaire with Globe and Guard

EVLPA093171 Lamp: 175W/ED28 Metal Halide (MH)



*Note: Photometric data was developed using a 175 watt clear metal halide lamp (14,000 lumens). For other clear lamp wattages, use the following conversion factors (multipliers) with both candlepower distribution and isocandela charts. Multipliers do not apply to coefficients of utilization.

LAMP WATTS	CONVERSION FACTOR
70 W (MH)	0.40
100 W (MH)	0.56
250 W (MH)	1.46

LUMINAIRE SPACING RATIO – 0.4 (Spacing to mounting height ratio)
(For additional photometric data, contact Crouse-Hinds)

COEFFICIENTS OF UTILIZATION
Effective Floor Cavity Reflectance 20%

		ROOM CAVITY RATIO										
Eff. Ceil.	Wall	0	1	2	3	4	5	6	7	8	9	10
80°	70	82	70	62	56	51	46	43	39	36	34	31
	50	82	65	54	46	41	36	32	28	26	23	21
	30	82	60	48	39	33	28	25	21	19	17	15
	10	82	56	42	33	28	23	19	17	14	13	11
70°	70	78	66	58	52	47	43	40	36	34	31	29
	50	78	61	51	44	38	34	30	27	24	22	20
	30	78	57	45	37	31	27	23	20	18	16	14
	10	78	53	40	32	26	22	18	16	14	12	11
50°	50	69	54	45	38	33	29	26	23	21	19	18
	30	69	50	40	33	28	24	21	18	16	14	13
	10	69	47	36	28	23	19	16	14	12	11	10
	0	61	47	39	33	29	26	23	20	19	17	16
30°	50	61	44	35	28	24	21	18	16	14	13	11
	30	61	42	31	25	21	17	15	12	11	10	9
	10	54	41	33	28	25	22	20	18	16	15	14
	0	54	37	27	22	18	15	13	11	10	8	7
0°	50	51	33	24	19	15	13	11	9	8	7	6
	30	51	33	24	19	15	13	11	9	8	7	6
	10	54	37	27	22	18	15	13	11	10	8	7
	0	51	33	24	19	15	13	11	9	8	7	6

*Percent Reflectance

ISOFOOTCANDLE CHART:
Footcandle Values for Isofootcandle Lines

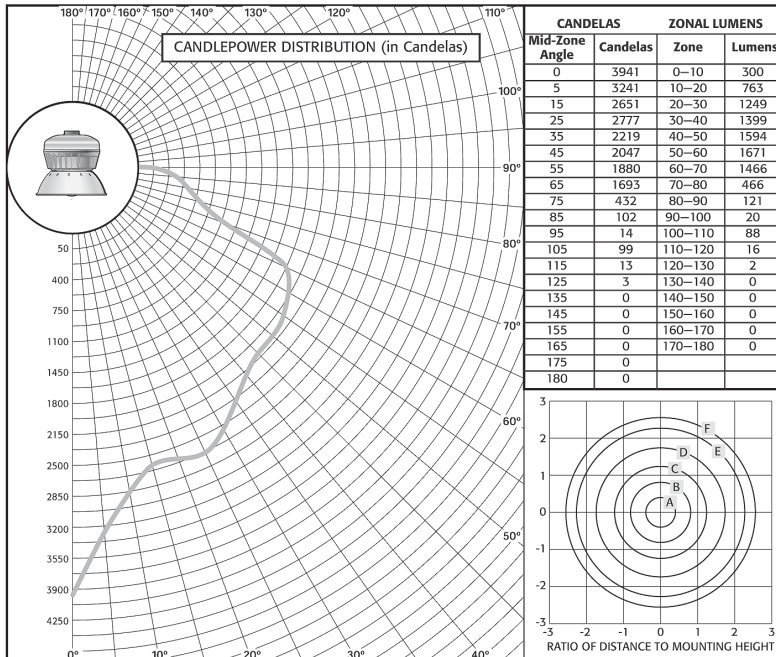
Mtg. Hgt.	A	B	C	D	E	F
10'	20.00	10.00	5.00	2.00	1.00	0.50
12'	13.88	6.94	3.47	1.39	0.69	0.35
16'	7.82	3.91	1.96	0.78	0.39	0.20
20'	5.00	2.50	1.25	0.50	0.25	0.13
25'	3.20	1.60	0.80	0.32	0.16	0.08

Isofootcandle chart shows illuminance in footcandles at ground level.

Mogul Base

Luminaire with Globe and Dome Reflector (Less Guard)

EVLPA093170RD Lamp: 175W/ED28 Metal Halide (MH)



*Note: Photometric data was developed using a 175 watt clear metal halide lamp (14,000 lumens). For other clear lamp wattages, use the following conversion factors (multipliers) with both candlepower distribution and isocandela charts. Multipliers do not apply to coefficients of utilization.

LAMP WATTS	CONVERSION FACTOR
70 W (MH)	0.40
100 W (MH)	0.56
250 W (MH)	1.46

LUMINAIRE SPACING RATIO – 1.0 (Spacing to mounting height ratio)

COEFFICIENTS OF UTILIZATION
Effective Floor Cavity Reflectance 20%

		ROOM CAVITY RATIO										
Eff. Ceil.	Wall	0	1	2	3	4	5	6	7	8	9	10
80°	70	78	71	65	60	55	50	46	42	39	36	34
	50	78	69	60	53	47	42	37	33	30	27	25
	30	78	66	56	48	42	36	31	27	24	22	20
	10	78	64	53	44	37	32	27	23	21	18	16
70°	70	76	70	64	58	53	49	45	41	38	35	33
	50	76	67	59	52	46	41	37	33	30	27	24
	30	76	65	55	47	41	36	31	27	24	22	19
	10	76	62	52	44	37	32	27	23	20	18	16
50°	50	72	64	57	50	45	40	35	31	29	26	24
	30	72	62	53	46	40	35	30	27	24	21	19
	10	72	60	51	43	37	31	27	23	20	18	16
	0	69	61	54	48	43	38	34	30	28	25	23
30°	50	69	60	52	45	39	34	30	26	23	21	19
	30	69	58	49	42	36	31	26	23	20	18	16
	10	66	58	52	46	41	37	33	30	27	24	22
	0	66	58	50	43	38	33	29	26	23	20	18
0°	50	66	56	48	41	35	30	26	23	20	18	16
	30	66	56	48	41	35	30	26	23	20	18	16
	10	66	56	48	41	35	30	26	23	20	18	16
	0	66	56	48	41	35	30	26	23	20	18	16

*Percent Reflectance

ISOFOOTCANDLE CHART:
Footcandle Values for Isofootcandle Lines

Mtg. Hgt.	A	B	C	D	E	F
10'	20.00	10.00	5.00	2.00	1.00	0.50
12'	13.88	6.94	3.47	1.39	0.69	0.35
16'	7.82	3.91	1.96	0.78	0.39	0.20
20'	5.00	2.50	1.25	0.50	0.25	0.13
25'	3.20	1.60	0.80	0.32	0.16	0.08

Isofootcandle chart shows illuminance in footcandles at ground level.

Mogul Base

Mogul Base

Luminaire with Globe and 30° Angle Reflector (Less Guard)

EVLP A093170RA Lamp: 175W/ED28 Metal Halide (MH)

