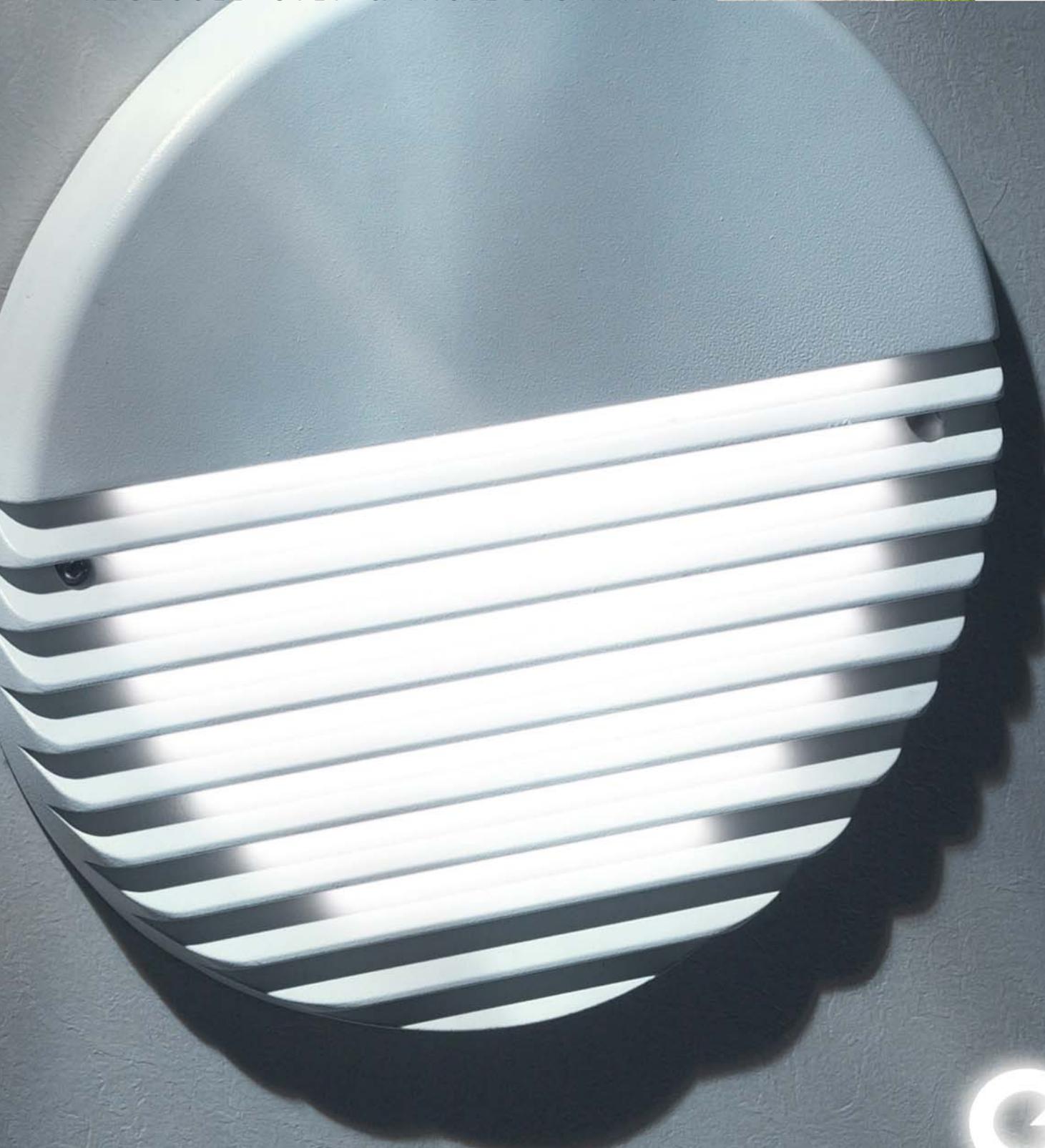


94 LINE

RECESSED STEP & AISLE LIGHTING



GARDCO
LIGHTING



The Gardco 94 Line is an altogether fresh approach to the once utilitarian world of low level lighting. By introducing new thinking, new looks and an entirely new level of night-time illumination, Gardco has reinvented and rejuvenated step and aisle lighting. These architecturally styled, intelligently-engineered luminaires provide the opportunity to design with instead of around steplights, adding elegance and substantially improved visibility to the low level environment.

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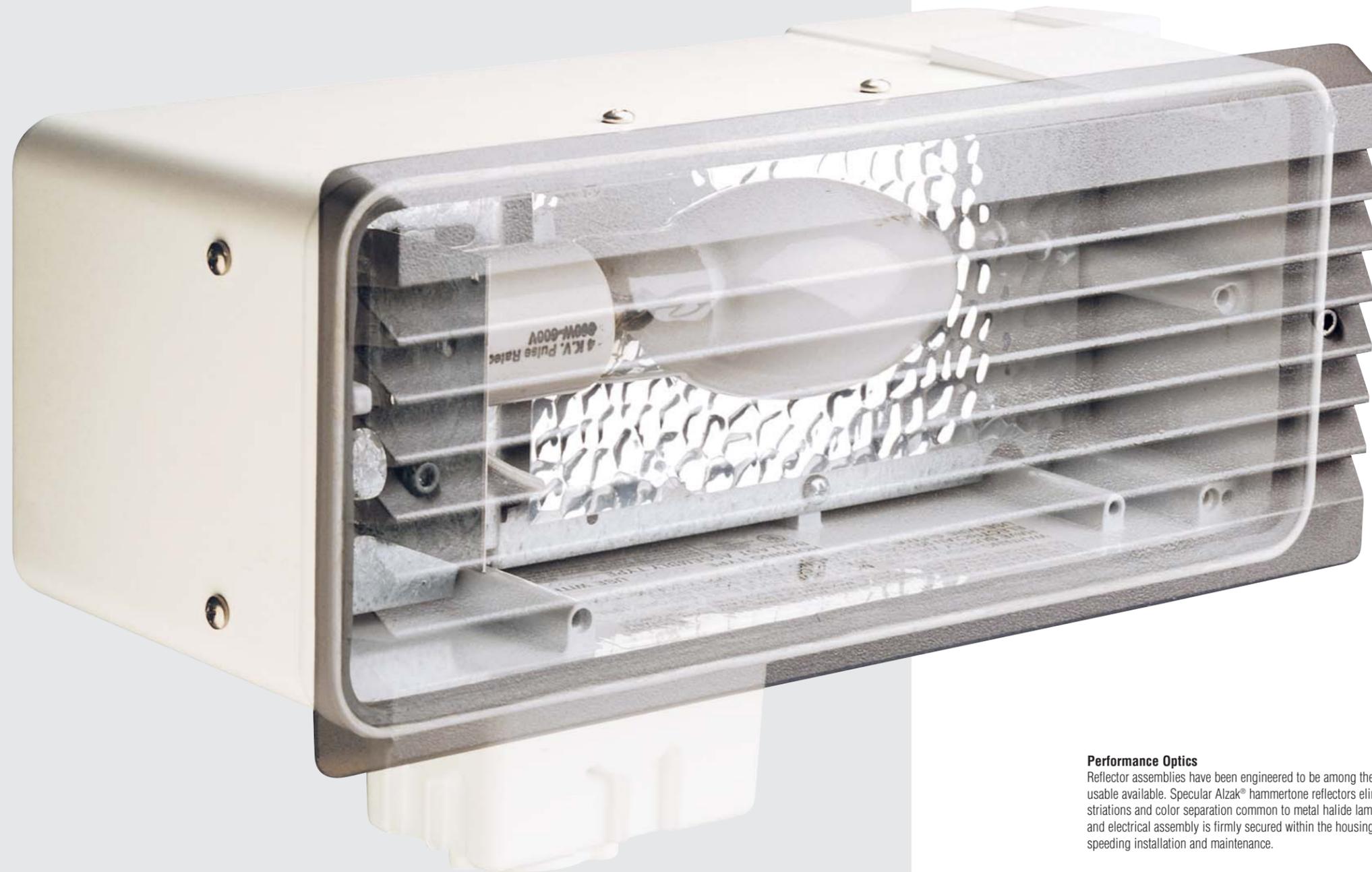
INTELLIGENTLY ENGINEERED

The 94 Line family of step and aisle lights sets new standards for construction, installation and maintenance. Rugged die-cast aluminum ensures a consistent and lasting fit between the housing, faceplate and junction box assemblies.

A textured fade and abrasion resistant TGIC polyester powdercoat finish in a variety of standard colors provides added corrosion resistance and ensures that the luminaire will remain a lasting contributor to the overall site aesthetic.

Sealed Against The Elements

By mating precisely to the lip of the faceplate, 94 line gasketing provides a complete seal at all times — even if the luminaire is not entirely secured. This unique self-compensating seal eliminates gaps which can occur when fasteners are not thoroughly tightened, or when installed in irregular wall surfaces like stucco and brick. All 94 Line luminaires are listed with UL or CUL (where applicable) as suitable for Wet Locations.

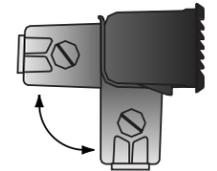


Performance Optics

Reflector assemblies have been engineered to be among the most efficient and usable available. Specular Alzak® hammertone reflectors eliminate unsightly streaks, striations and color separation common to metal halide lamps. The unitized reflector and electrical assembly is firmly secured within the housing by just four screws — speeding installation and maintenance.

Flexible mounting choices

Luminaires are available for installation in all types of wall construction including concrete, masonry, drywall and direct burial in insulation. Gardco addresses these applications explicitly in the ordering information, virtually eliminating the potential for misapplication. Housings are stocked at the factory and can be pre-shipped separately for mounting in concrete.



Installation Flexibility

To provide additional design flexibility, 94 Line housings feature a separate, 2-position j-box assembly. Because wall thickness is typically the constraining dimension, the junction box is factory-mounted on the bottom of the luminaire. This can be quickly repositioned in the field for back mounting if space is limited below the luminaire.

From the minimally scaled brick light, to recessed emergency lights and the high-output scoop, the 94 Line provides a full range of recessed low level luminaires. But any similarity with the past ends here, for the 94 Line sets a new standard for architectural step and aisle lights with pure shapes, soft corners, concealed mounting hardware and consistent visual styling cues. Combined with quality die cast aluminum construction and low glare illumination, these luminaires complement the aesthetics of the site as beautifully as they do one another.

A unique film sandwiched between flat tempered glass, the microlouver incorporates tiny louvers angled at 30° — directing light down and forward relatively unobstructed for efficient illumination. From normal viewing angles, source brightness is virtually eliminated.



Indoors ...

Recognizing the perils of a dark smoke-filled environment, common sense and local codes often require that indoor exit and/or emergency luminaires must be close to the floor in the path of egress. However, the ADA requires that luminaires mounted below six feet must be extremely shallow — a maximum 4" protrusion from the wall. The 94 Line emergency luminaire accomplishes both tasks in handsome fashion, while providing an exceptional source of non-emergency low level illumination.

Outdoors ...

Frequently, the path of egress does not end at the front door of a facility, making it necessary, in the event of a power interruption, to provide emergency lighting to "the public way." To date, moisture, insects, corrosives and temperature fluctuations in the outdoor environment have not been very conducive to the use of emergency products. With the completely sealed and temperature stabilized (optional) Gardco steplights, outdoor emergency lighting can now be achieved from a self-contained battery back-up system.

Bollard Expands Mounting Flexibility

The 943BEM vertical mount is a UL (or CUL) Wet Location listed unidirectional bollard which significantly expands the mounting flexibility of emergency lighting into the outdoor pedestrian environment. An integral battery back-up system provides emergency illumination along pathways to the street or parking area.



The light-controlling microlouver lens combines the performance of an open faceplate with the brightness control of a louver.

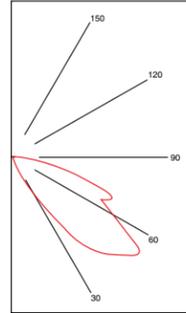
The horizontal 942EM and vertical 943EM aisle lights are recessed into wall surfaces, providing a clean, unobtrusive appearance. The indicator light is mounted behind the prismatic glass and the test switch is discretely placed within horizontal tiers of the cast faceplate.



FACEPLATES & LAMPS

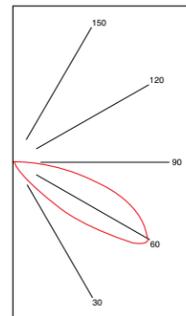
All 94 Line faceplates exhibit a grace and style unparalleled in step and aisle lights. Soft corners, minimal scale, unbridged louvers that span the length of the faceplate and horizontal tiers on open units all show considerable design sensitivity. Gardco offers a variety of faceplate designs, each specifically designed for specific applications. Additionally, faceplates can be interchanged among same-sized units should application requirements change following installation.

Louver



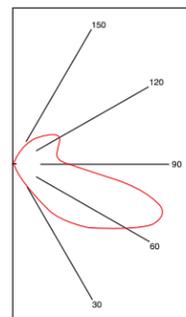
Because low level lighting is easily susceptible to vandalism, the louver is a popular choice for its construction and performance features. The illuminated unit exhibits extremely low brightness and virtually eliminates glare, yet still provides a soft pool of light more than sufficient for many applications.

Microlouver



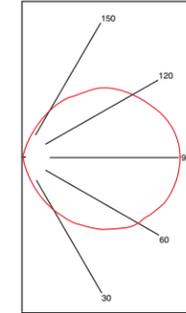
The microlouver optical system utilizes an innovative faceplate that combines the brightness control of a louvered faceplate with the light output more common to open faceplate designs. At the desired aiming angle (30° down from horizontal), the microlouver permits light to pass through unobstructed. At normal viewing angles, there is virtual elimination of source brightness and glare. The source literally disappears.

Prismatic Glass



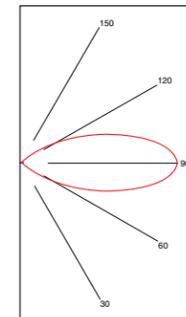
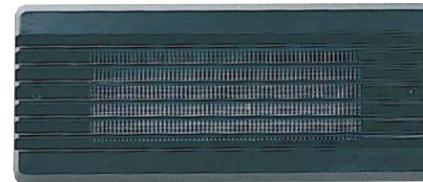
The prismatic optical system is specifically designed for applications requiring higher light output and performance. Light is directed to much higher angles providing illumination of relatively large areas. In open lens or ribbed faceplate design, the series provides a clean appearance and styling compatibility with louvered units.

Diffuse Glass



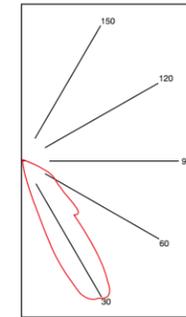
A diffuse glass faceplate is appropriate where a more decorative product is required. By intentionally producing soft, white diffuse brightness, the design serves as a marker, thereby establishing perimeters and directing pedestrian traffic.

Ribbed Guard



Ribbed guard faceplates offer the vandal resistance of standard louvered products and the efficiency and light output more typical of open type faceplates. When used in conjunction with prismatic glass, the ribbed guard design produces high light levels, and when employed with the white diffuse glass, a marker effect is achieved with a decorative European appearance.

946



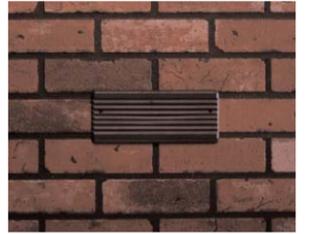
The high output recessed optical system is specifically designed for applications requiring higher light output and performance. Even when specified with high lumen sources, the horizontal aperture and light-trapping microbaffles provide extremely low glare illumination.



The 94 Line was designed around long-life and energy efficient compact fluorescent and medium base HID lamps. Larger units accept HID sources up to 100W. The 28W quad tube fluorescent lamp available in many 94 Line products features a starting temperature of -20°F. Additionally, incandescent luminaires are available for those applications requiring fixtures to start in extremely low temperatures, or in areas where dimming is desired.

940 RECESSED BRICK LIGHTS

The 940 luminaire is a compact, brick-sized unit specifically designed for masonry applications or in environments requiring a smaller scale recessed fixture. The 940 is designed to accept energy-saving compact fluorescent lamps up to 13W and incandescent lamps to 60W.



SPECIFICATIONS

FACEPLATE

All faceplates are constructed of one-piece diecast aluminum and are secured to the housing with two (2) recessed and captive hex head socket screws. Self-compensating single-piece silicone gasketing completely seals the luminaire and allows for varying wall thicknesses.

LOUVER: Diecast louvers span the entire length of the faceplate, providing for vandal resistance and glare control.

DIFFUSE GLASS: The faceplate includes a 3/16" thick diffuse white opal flat tempered glass lens. The lens is internally sealed and mounted and provides a soft, uniform glow.

PRISMATIC GLASS: A 1/4" thick prismatic glass lens, internally sealed and mounted, refracts light forward and downward.

MICROLOUVER: The faceplate features a light controlling film that contains louvers angled down at 30°. This film is secured between two (2) 1/8" thick tempered flat clear glass lenses.

HOUSING: The housing is corrosion-resistant diecast aluminum.

J-BOX: The field convertible junction box is diecast aluminum. It is shipped factory-mounted to the back of housing. The box can be easily positioned on the bottom of the luminaire via two (2) phillips head screws.

ELECTRICAL

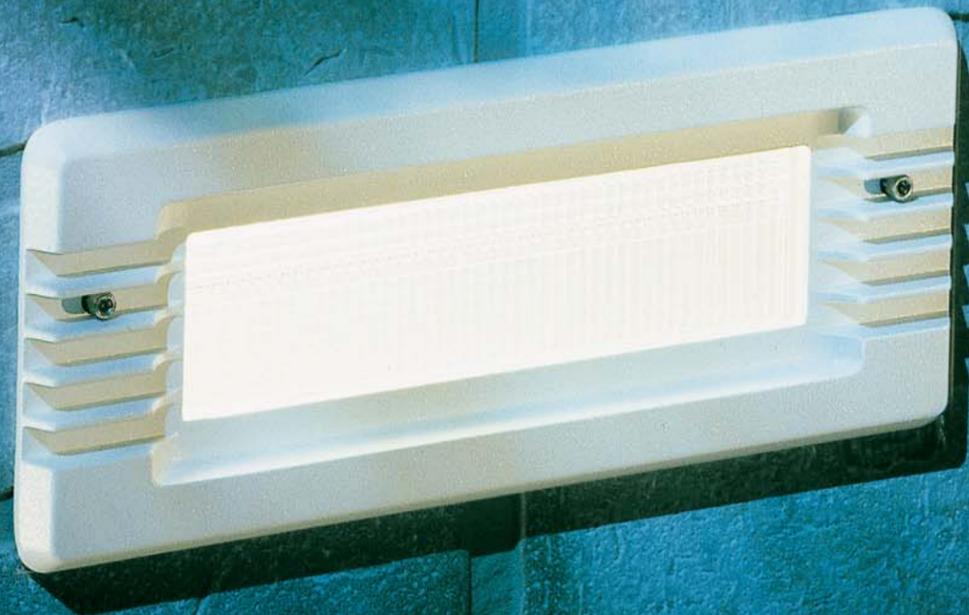
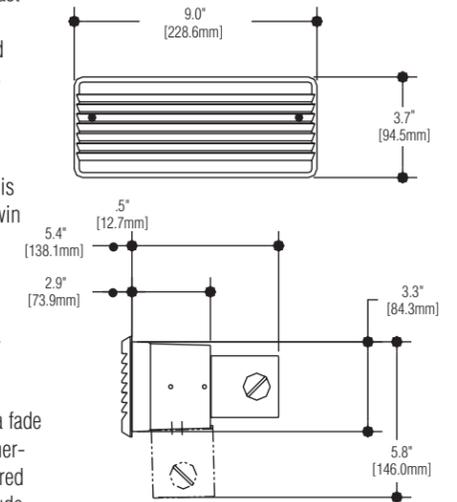
FLUORESCENT UNITS: High power factor ballast is provided standard. 940 luminaires accept 7/9W twin or 13W quad tube compact fluorescent lamps.

INCANDESCENT UNITS: Luminaires are provided with a medium base socket with a nickel plated screw shell. Each accepts up to a 60W T-10 lamp. Microlouver faceplates are limited to 25W.

FINISH: Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidyl isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors include bronze (BRP), black (BLP), white (WP), and natural aluminum (NP). Consult factory for specifications on optional and custom colors.

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

DIMENSIONS



PG-Prismatic Glass



LV-Louver Guard



DG-Diffuse Glass



ML-Microlouver

ORDERING

Example	PREFIX	WALL TYPE	LAMP	FACEPLATE	VOLTAGE	FINISH
	940	U	7/9WTF	LV	120	BRP
	940	U Universal Suitable for all wall types including drywall, direct burial in insulation, and concrete pour.	U TYPE 7/9 TF D TYPE 13 QF C TYPE 13 QF INC 60w maximum incandescent 25W maximum for microlouver (ML) faceplate	LV Louver PG Prismatic Glass DG Diffuse Glass ML Microlouver Microlouver limited to 25W incandescent	120	BRP Bronze Paint BLP Black Paint WP White Paint NP Natural Aluminum Paint OC Optional Color Paint Specify RAL designation as shown in the Color Selection Guide. ex: OC-Ral 7024 SC Special Color Paint Specify. Must supply color chip.

NOTE: Back housings for concrete pour applications (types U and C) are available for pre-shipment. Contact factory for details.

941 RECESSED STEPLIGHTS

The low profile and elegant styling of 941 luminaires underscore its wide range of design possibilities. Offered with both compact fluorescent and incandescent lamps, the luminaire offers elegant styling and rugged construction in a sleek, small scale. A choice of four faceplate designs allows the specifier to satisfy numerous low level lighting challenges.



SPECIFICATIONS

FACEPLATE

One piece diecast aluminum, secured to housing with two (2) recessed and captive hex head socket screws. Integral spring clips ensure positive grounding. Self-compensating single-piece silicone gasketing allows for varying wall thicknesses.

LOUVER: Diecast louvers span the entire length of the faceplate, providing for vandal resistance and glare control.

DIFFUSE GLASS: 1/8" thick white diffuse opal flat tempered glass lens.

PRISMATIC GLASS: 1/8" thick prismatic glass lens is internally sealed and mounted and projects light forward and downward.

MICROLOUVER: Light controlling film containing 30° louvers is secured between two pieces of 1/8" thick tempered flat glass lenses.

HOUSING: Corrosion resistant diecast aluminum construction.

J-BOX: Diecast aluminum. Factory mounted to the bottom of the housing. Field convertible to back mounting.

ELECTRICAL

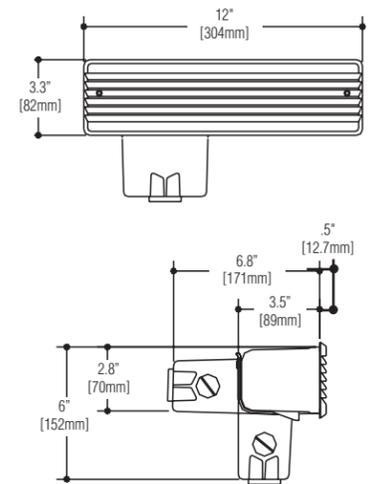
FLUORESCENT UNITS: High power factor ballast standard. Accepts 7/9/13W twin tube lamps.

INCANDESCENT UNITS: Medium base socket with nickel plated screw shell. Accepts 60W T-10 lamp.

FINISH: Fade and abrasion resistant, electrostatically applied, thermally cured TGIC textured polyester powder coat.

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

DIMENSIONS



PG-Prismatic Glass



LV-Louver Guard



DG-Diffuse Glass



ML-Microlouver

ORDERING

Example	PREFIX	WALL TYPE	LAMP	FACEPLATE	VOLTAGE	FINISH
	941	U	13TF	LV	120	BRP
	941	U Universal Suitable for all wall types including drywall, direct burial in insulation, and concrete pour.	U TYPE 7/9 TF 13 TF	LV Louver	120	BRP Bronze Paint
		D Drywall Not suitable for concrete pour applications. Also, if insulating material is present, it must be kept at least 3" away from luminaire. Note: Type D units are thermally protected.	C TYPE INC	PG Prismatic Glass	277	BLP Black Paint
		C Concrete pour Suitable for concrete pour applications only.	60W maximum incandescent 25W maximum for microlouver (ML) faceplate	DG Diffuse Glass		WP White Paint
				ML Microlouver Microlouver limited to 25W incandescent		NP Natural Aluminum Paint
						OC Optional Color Paint Specify RAL designation as shown in the Color Selection Guide. ex: OC-Ral 7024
						SC Special Color Paint Specify. Must supply color chip.

NOTE: Back housings for concrete pour applications (types U and C) are available for pre-shipment. Contact factory for details.

942 RECESSED SITE AND STEPLIGHTS

For applications requiring higher output levels and increased spacings, 942 luminaires offer a wide choice of faceplate designs and lumen packages. These horizontal aisle lights accept sources up to 100W HID.



SPECIFICATIONS

FACEPLATE

All faceplates are constructed of one piece diecast aluminum and are secured to the housing with two (2) recessed and captive hex head socket screws. Integral spring clips ensure positive grounding. Self-compensating single-piece silicone gasketing completely seals the luminaire and allows for varying wall thicknesses.

LOUVER: Diecast louvers span the entire length of the faceplate, providing for vandal resistance and glare control.

DIFFUSE GLASS: The faceplate includes a 3/16" thick diffuse white opal flat tempered glass lens. The lens is internally sealed and mounted and provides a soft, uniform glow.

PRISMATIC GLASS: A 3/8" thick prismatic glass lens, internally sealed and mounted, refracts light forward and downward.

RIBBED GUARD: 90° diecast louvers span the entire length of the faceplate over either a prismatic (942 only) or diffuse glass lens.

HOUSING: The housing is corrosion-resistant diecast aluminum.

J-BOX: The field convertible junction box is diecast aluminum. It is shipped factory-mounted to the back of the housing. The box can be easily positioned on the bottom of the luminaire via two (2) phillips head screws.

ELECTRICAL

FLUORESCENT UNITS: High power factor ballast is provided standard.

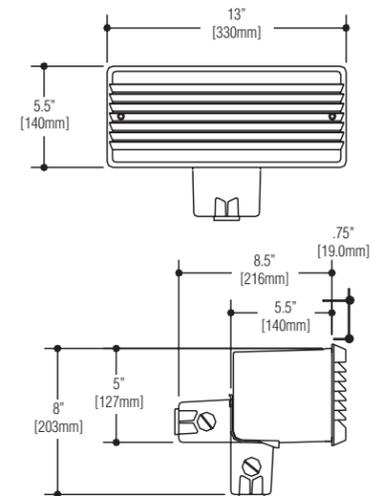
HID UNITS: Magnetic high power factor ballast is supplied standard.

INCANDESCENT UNITS: Luminaires are provided with a medium base socket with nickel plated screw shell.

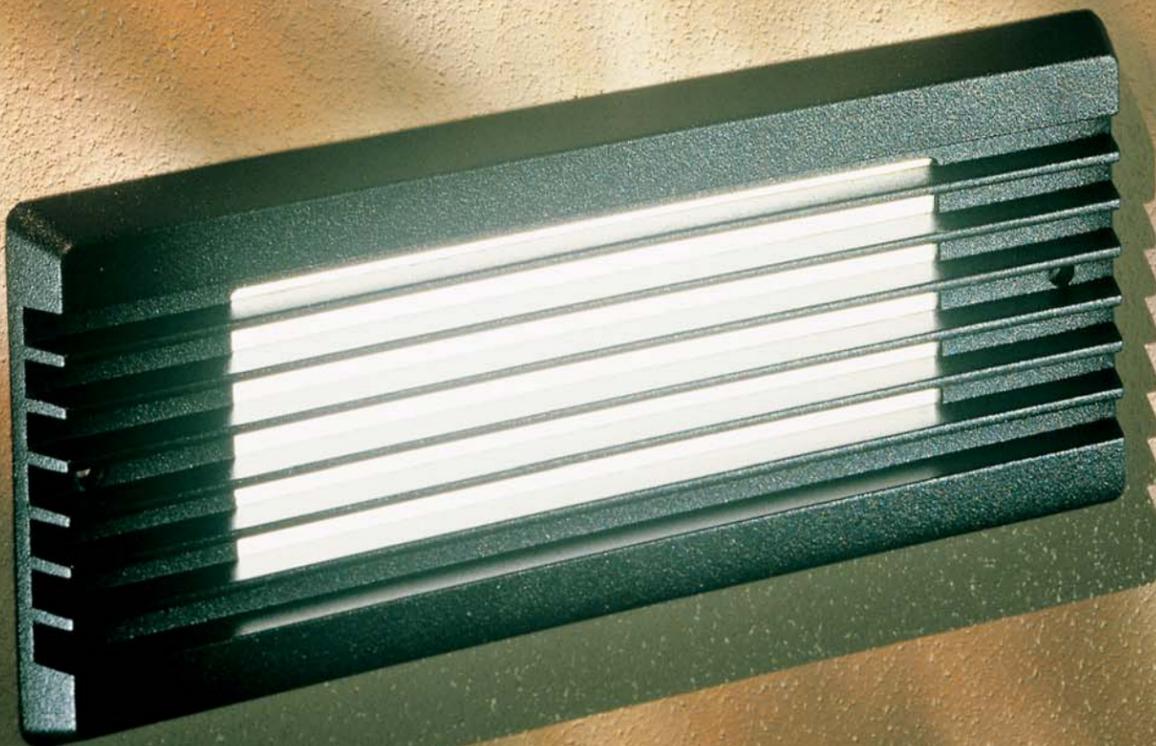
FINISH: Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors include bronze (BRP), black (BLP), white (WP), and natural aluminum (NP). Consult factory for specifications on custom colors.

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

DIMENSIONS



LV-Louver Guard



PG-Prismatic Glass



DG-Diffuse Glass



RGP-Ribbed Guard over Prismatic Glass



RGD-Ribbed Guard over Diffuse Glass

ORDERING

Example	PREFIX	WALL TYPE	LAMP	FACEPLATE	VOLTAGE	FINISH	OPTIONS
	942	D	13QF	LV	120	BRP	F
	942 Horizontal	D Drywall Not suitable for concrete pour applications. Also, if insulating material is present, it must be kept at least 3" away from luminaire. Note: Type D units are thermally protected.	D TYPE 35HPS ¹ (2)13TF 50HPS 26QF ^{2,3} 50MH (2)26QF ^{2,3} 32TRF ^{2,3} (2)32TRF ^{2,3} 42TRF ^{2,3}	942 LV Louver DG Diffuse Glass PG Prismatic Glass RGD Ribbed Guard with Diffuse Glass RGP Ribbed Guard with Prismatic Glass	120 277	BRP Bronze Paint BLP Black Paint WP White Paint NP Natural Aluminum Paint OC Optional Color Paint Specify RAL designation as shown in the Color Selection Guide. ex: OC-Ral 7024 SC Special Color Paint Specify. Must supply color chip.	F Fusing
		C Concrete pour Suitable for concrete pour applications only.	C TYPE 35HPS ¹ (2)13TF 50HPS 26QF ^{2,3} 70HPS (2)26QF ^{2,3} 100HPS 32TRF ^{2,3} 50MH (2)32TRF ^{2,3} 70MH 42TRF ^{2,3} 100MH (2)100INC ¹				
		1. 120V only 2. Suitable for -20°F starting temperature 3. Electronic ballast, available in 120V through 277V only and 50 or 60 hz					
		TF Twin Tube Fluorescent QF Quad Tube Fluorescent TRF Triple Tube Fluorescent MH Metal Halide HPS High Pressure Sodium INC Incandescent					

NOTE: Back housings for concrete pour applications are available for pre-shipment. Contact factory for details.

942/943EM EMERGENCY LIGHTS

The 942/943EM combines the architectural styling and rugged weather-tight construction of the 94 Line product with a self-contained and temperature compensating (optional) battery back-up system. This unique series provides a recessed indoor and outdoor emergency lighting alternative that meets NEC and Life Safety Code requirements.



SPECIFICATIONS

FACEPLATE: One piece diecast aluminum, secured to housing with (2) recessed and captive tamper-resistant hex head socket screws. Self-compensating single-piece silicone gasketing allows for varying wall textures.

PRISMATIC GLASS: 3/8" thick prismatic glass lens is internally sealed and mounted and projects light forward and downward.

STACKED LOUVERS: Specular louvers reflect light forward and downward. Louvers are mounted behind tempered flat glass or clear scratch resistant polycarbonate lens.

STEPLIGHT HOUSING: Corrosion resistant diecast aluminum construction.

BOLLARD: Extruded aluminum base with cast top section.

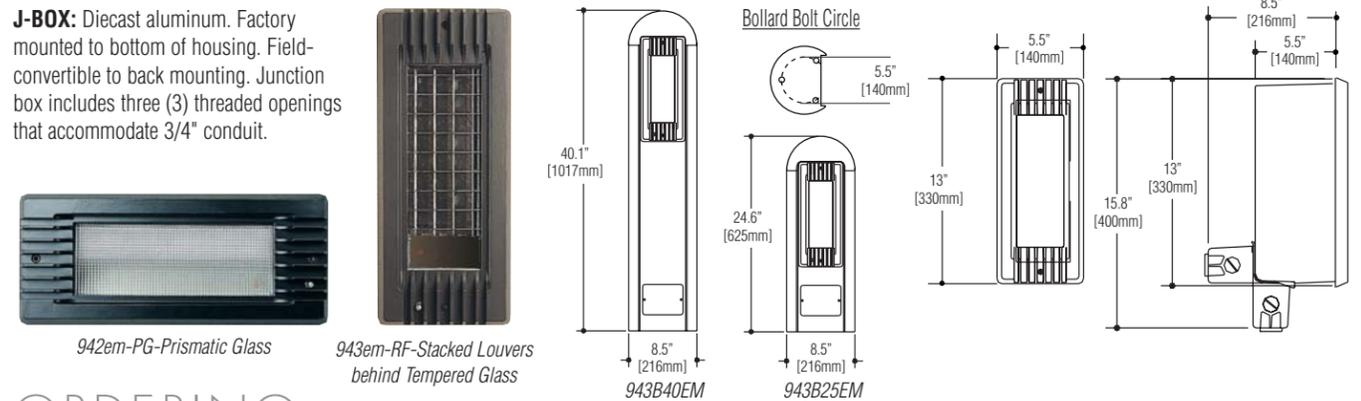
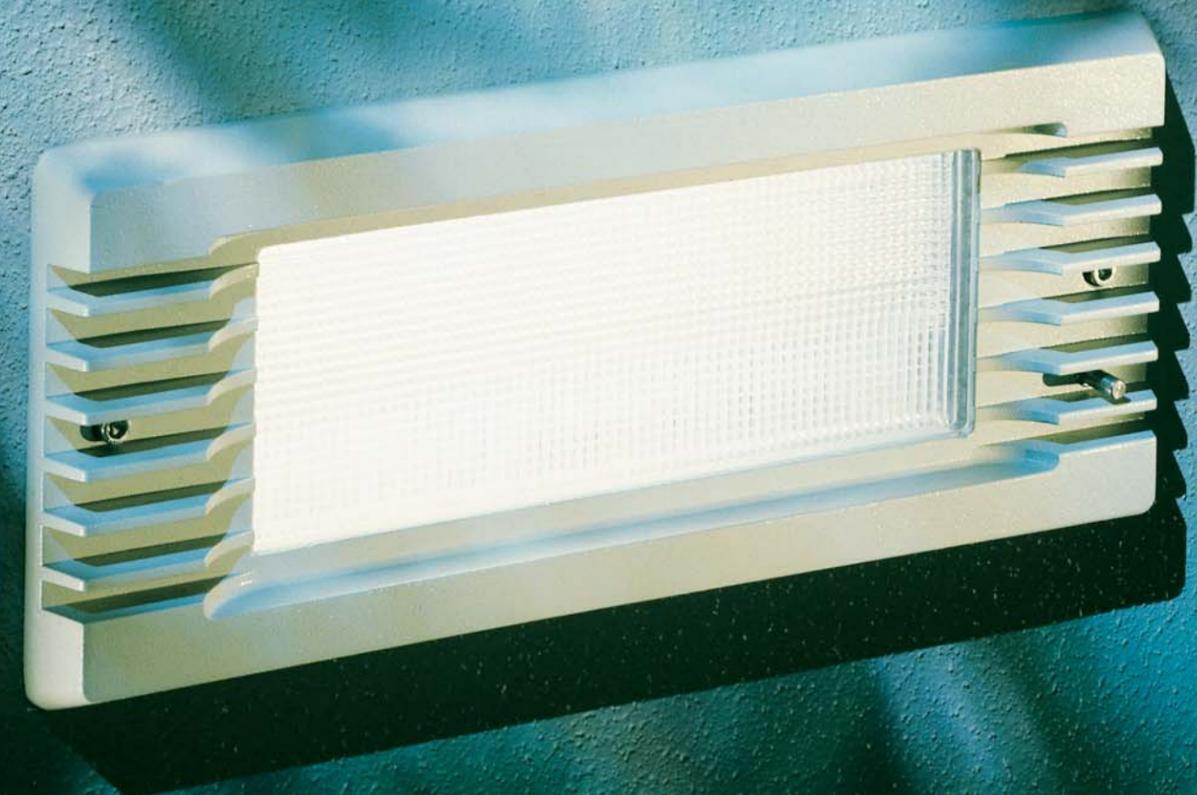
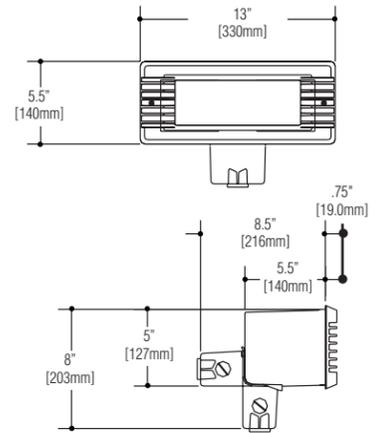
J-BOX: Diecast aluminum. Factory mounted to bottom of housing. Field-convertible to back mounting. Junction box includes three (3) threaded openings that accommodate 3/4" conduit.

ELECTRICAL: High power factor ballasts: (2) ballasts on 120V; units operate one (1) or two (2) 13W twin compact fluorescent lamp(s) in normal mode. One (1) 2-lamp ballast used on 277V operates two (2) lamps in normal mode. Integral 3.6 volt maintenance-free 90 minute nickel cadmium battery operates one (1) lamp in the emergency mode. A momentary test switch and charging indicator light are standard.

FINISH: Standard finishes are fade and abrasion resistant, electrostatically applied, thermally cured TGIC polyester powdercoat, applied after anodizing. Consult Factory for special colors.

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

DIMENSIONS



ORDERING

Example	PREFIX	WALL TYPE	LAMP	FACEPLATE	VOLTAGE	FINISH
	942	D/C	213TFE	LV	120	BRP
942EM	Horizontal	D/C Drywall/Concrete Suitable for drywall and concrete pour applications. Also, if insulating material is present, it must be kept at least 3" away from luminaire.	(2)13TFE (2) 13W Twin Tube Fluorescent Lamps. One or two lamps operate in the normal mode and one operates in the emergency mode.	942EM Prismatic Glass	120	BRP Bronze Paint
943EM	Vertical			RF Stacked Specular Louvers behind Glass	277	BLP Black Paint
943B25EM	943BEM Mounted in 25" Bollard	NOTE: Type D units are thermally protected.		RFPLY Stacked Specular Louvers behind Clear Polycarbonate		WP White Paint
943B40EM	943BEM Mounted in 40" Bollard			943EM RF Stacked Specular Louvers behind Glass RFPLY Stacked Specular Louvers behind Clear Polycarbonate		NP Natural OC Optional Color Paint Specify RAL designation as shown in the Color Selection Guide. ex: OC-Ral 7024 SC Special Color Paint Specify. Must supply color chip.

943 RECESSED VERTICAL SITE & STEPLIGHTS

The 943 vertical mount luminaire provides the capability for mounting in confined wall areas. The 943B luminaire is a unidirectional bollard which is ideal for illuminating pathways without undesired back lighting. In addition, this compact architectural form allows the unit to be mounted in pillars, monuments and columns (by others). A choice of faceplates further extends design opportunities.



SPECIFICATIONS

FACEPLATE

All faceplates are constructed of one piece diecast aluminum and are secured to the housing with two (2) recessed and captive hex head socket screws. Integral spring clips ensure positive grounding. Self-compensating single-piece silicone gasketing completely seals the luminaire and allows for varying wall thicknesses.

LOUVER: Diecast louvers span the entire length of the faceplate, providing for vandal resistance and glare control.

DIFFUSE GLASS: The faceplate includes a 3/16" thick diffuse white opal flat tempered glass lens. The lens is internally sealed and mounted and provides a soft, uniform glow.

RIBBED GUARD: 90° diecast louvers span the entire length of the faceplate over diffuse glass lens.

STACKED LOUVERS Specular Alzak® louvers rest behind either a tempered flat glass lens or a clear polycarbonate lens.

HOUSING: The housing is corrosion-resistant diecast aluminum.

J-BOX: The field convertible junction box is diecast aluminum. It is shipped factory-mounted to the back of the housing. The box can be easily positioned on the bottom of the luminaire via two (2) phillips head screws.

ELECTRICAL

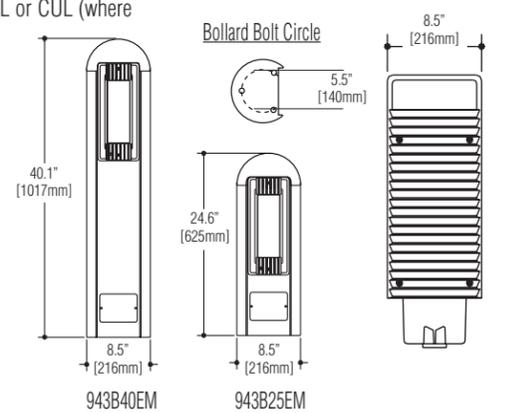
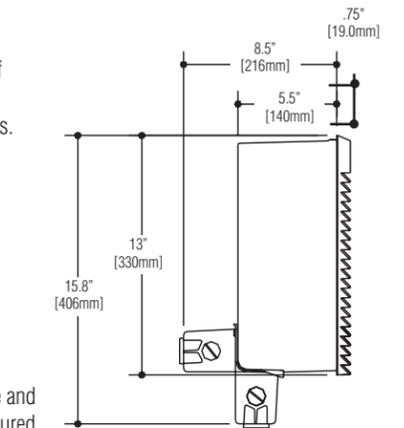
FLUORESCENT UNITS: High power factor ballast is provided standard.

HID UNITS: Magnetic high power factor ballast is supplied standard.

INCANDESCENT UNITS: Luminaires are provided with a medium base socket with nickel plated screw shell.

FINISH: Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidic isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors include bronze (BRP), black (BLP), white (WP), and natural aluminum (NP). Consult factory for specifications on custom colors.

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



ORDERING

Example	PREFIX	WALL TYPE	LAMP	FACEPLATE	VOLTAGE	FINISH	OPTIONS
	942	D	13QF	LV	120	BRP	F
943	Vertical	D Drywall Not suitable for concrete pour applications. Also, if insulating material is present, it must be kept at least 3" away from luminaire. Note: Type D units are thermally protected.	D TYPE 35HPS ¹ (2)13TF 50HPS 26QF ^{2,3} 50MH (2)26QF ^{2,3} 32TRF ^{2,3} (2)32TRF ^{2,3} 42TRF ^{2,3}	LV Louver DG Diffuse Glass RGD Ribbed Guard with Diffuse Glass RF Stacked Specular Louvers behind Glass RFLY Stacked Specular Louvers behind Clear Polycarbonate	120 277	BRP Bronze Paint BLP Black Paint WP White Paint NP Natural Aluminum Paint OC Optional Color Paint Specify RAL designation as shown in the Color Selection Guide. ex: OC-Ral 7024 SC Special Color Paint Specify. Must supply color chip.	F Fusing
943B25	943 Mounted in 25" Bollard						
943B40	943 Mounted in 40" Bollard	C Concrete pour Suitable for concrete pour applications only.					
		TF Twin Tube Fluorescent QF Quad Tube Fluorescent TRF Triple Tube Fluorescent MH Metal Halide HPS High Pressure Sodium INC Incandescent	C TYPE 35HPS ¹ (2)13TF 50HPS 26QF ^{2,3} 70HPS (2)26QF ^{2,3} 100HPS 32TRF ^{2,3} 50MH (2)32TRF ^{2,3} 70MH 42TRF ^{2,3} 100MH (2)100INC ¹				

NOTE: Back housings for concrete pour applications (type C) are available for pre-shipment. Contact factory for details.

NOTE: Back housings for concrete pour applications are available for pre-shipment. Contact factory for details.

- 120V only
- Suitable for 0°F starting temperature
- Electronic ballast, available in 120V through 277V only and 50 or 60 Hz

944 SQUARE FORM RECESSED AISLE LIGHTS

For applications requiring larger scale in a clean, classic form, the 944 square louvered units are an excellent choice. Louvers span the entire width of the faceplate, providing superior glare control and exceptional vandal resistance.



SPECIFICATIONS

FACEPLATE: One piece diecast aluminum, secured to housing with (2) recessed and captive hex head socket screws. Integral spring clips ensure positive grounding. 3/8" thick louvers and 1/8" thick flat tempered glass provide for vandal resistance and glare control. Self compensating single piece silicone gasketing allows for varying wall thicknesses.

HOUSING: Corrosion resistant cast aluminum construction.

J-BOX: Diecast aluminum. Factory mounted to bottom of housing. Field convertible to back mounting.

ELECTRICAL

FLUORESCENT UNITS: Electronic high power factor ballast standard.

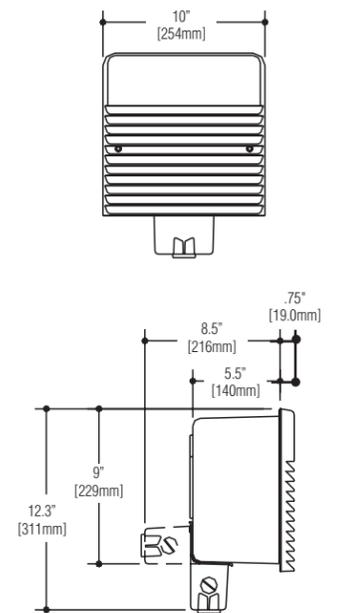
INCANDESCENT UNITS: Medium base socket with nickel plated screw shell.

H.I.D. UNITS: Magnetic high power factor ballast. Suitable for -20° F starting temperature.

FINISH: Fade and abrasion resistant, electrostatically applied, thermally cured TGIC textured polyester powdercoat.

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

DIMENSIONS



LV-Louver

ORDERING

Example	PREFIX	WALL TYPE	LAMP	FACEPLATE	VOLTAGE	FINISH	OPTIONS
	944	C	100MH	LV	120	BRP	F
	944 Square	D Drywall Not suitable for concrete pour applications. Also, if insulating material is present, it must be kept at least 3" away from luminaire. Note: Type D units are thermally protected.	D TYPE 35HPS ¹ (2)13TF 50HPS 26QF ^{2,3} 50MH (2)26QF ^{2,3} 32TRF ^{2,3} (2)32TRF ^{2,3} 42TRF ^{2,3}	LV Louver	120 277	BRP Bronze Paint BLP Black Paint WP White Paint NP Natural Aluminum Paint OC Optional Color Paint Specify RAL designation as shown in the Color Selection Guide. ex: OC-Ral 7024 SC Special Color Paint Specify. Must supply color chip.	F Fusing
		C Concrete pour Suitable for concrete pour applications only.	C TYPE 35HPS ¹ (2)13TF 50HPS 26QF ^{2,3} 70HPS (2)26QF ^{2,3} 100HPS 32TRF ^{2,3} (2)32TRF ^{2,3} 50MH 42TRF ^{2,3} 70MH (2)42TRF ^{2,3} 100MH (2)100INC ¹				
			TF Twin Tube Fluorescent QF Quad Tube Fluorescent TRF Triple Tube Fluorescent				
			1. 120V only 2. Suitable for -0°F starting temperature 3. Electronic ballast, available in 120V through 277V only and 50 or 60 hz				

NOTE: Back housings for concrete pour applications (types C) are available for pre-shipment. Contact factory for details.

945 ROUND FORM RECESSED AISLE LIGHTS

For applications requiring larger proportions in a clean, classic form, the 945 round louvered units are an excellent choice. Louvers span the entire width of the faceplate, providing superior glare control and exceptional vandal resistance.



SPECIFICATIONS

FACEPLATE: One piece diecast aluminum, secured to housing with (2) recessed and captive hex head socket screws. Integral spring clips ensure positive grounding. 3/8" thick louvers and 1/8" thick flat tempered glass provide for vandal resistance and glare control. Self compensating single piece silicone gasketing allows for varying wall thicknesses.

HOUSING: Corrosion resistant cast aluminum construction.

J-BOX: Diecast aluminum. Factory mounted to bottom of housing. Field convertible to back mounting.

ELECTRICAL

FLUORESCENT UNITS: Electronic high power factor ballast standard.

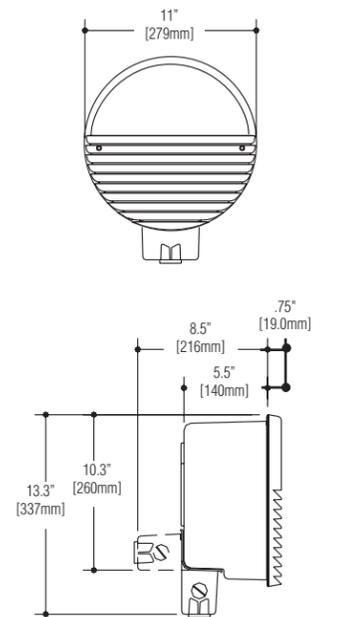
INCANDESCENT UNITS: Medium base socket with nickel plated screw shell.

H.I.D. UNITS: Magnetic high power factor ballast. Suitable for -20° F starting temperature.

FINISH: Fade and abrasion resistant, electrostatically applied, thermally cured TGIC textured polyester powdercoat.

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

DIMENSIONS



LV-Louver

ORDERING

Example	PREFIX	WALL TYPE	LAMP	FACEPLATE	VOLTAGE	FINISH	OPTIONS
	945	C	100MH	LV	120	BRP	F
	945 Round	D Drywall Not suitable for concrete pour applications. Also, if insulating material is present, it must be kept at least 3" away from luminaire. Note: Type D units are thermally protected.	D TYPE 35HPS ¹ (2)13TF 50HPS 26QF ^{2,3} 50MH (2)26QF ^{2,3} 32TRF ^{2,3} (2)32TRF ^{2,3} 42TRF ^{2,3}	LV Louver	120 277	BRP Bronze Paint BLP Black Paint WP White Paint NP Natural Aluminum Paint OC Optional Color Paint Specify RAL designation as shown in the Color Selection Guide. ex: OC-Ral 7024 SC Special Color Paint Specify. Must supply color chip.	F Fusing
		C Concrete pour Suitable for concrete pour applications only.	C TYPE 35HPS ¹ (2)13TF 50HPS 26QF ^{2,3} 70HPS (2)26QF ^{2,3} 100HPS 32TRF ^{2,3} (2)32TRF ^{2,3} 50MH 42TRF ^{2,3} 70MH (2)42TRF ^{2,3} 100MH (2)100INC ¹				
			TF Twin Tube Fluorescent QF Quad Tube Fluorescent TRF Triple Tube Fluorescent				
			1. 120V only 2. Suitable for -0°F starting temperature 3. Electronic ballast, available in 120V through 277V only and 50 or 60 hz				

NOTE: Back housings for concrete pour applications (type C) are available for pre-shipment. Contact factory for details.

946 RECESSED SCOOP FORM RECESSED AISLE LIGHTS

The 946 is an attractive choice where specifications call for a low brightness, high output aisle light. The recessed scoop is designed around HID lamps up to 100W. The angled recessed faceplate design and specular Alzak® reflector system create wide spacings and provide unstriated light distribution with consistently high light levels. A concealed horizontal aperture and precisely positioned die cast micro-baffles on the angled faceplate assure sharp visual cutoff and brightness control at normal viewing angles. An optional cast guard protects the lamp in areas prone to vandalism.



SPECIFICATIONS

FACEPLATE: One piece diecast aluminum, secured to housing with (2) recessed and captive hex head socket screws. Integral spring clips ensure positive grounding. Angled and recessed "scoop" with integral cast microbaffles. 1/8" thick flat tempered glass provides for vandal resistive and weathertight operation. Self compensating single piece silicone gasketing allows for varying wall thicknesses.

HOUSING: Corrosion-resistant cast aluminum construction.

J-BOX: Diecast aluminum. Factory mounted to bottom of housing. Field convertible to back mounting.

REFLECTOR: Specular Alzak® hammertone.

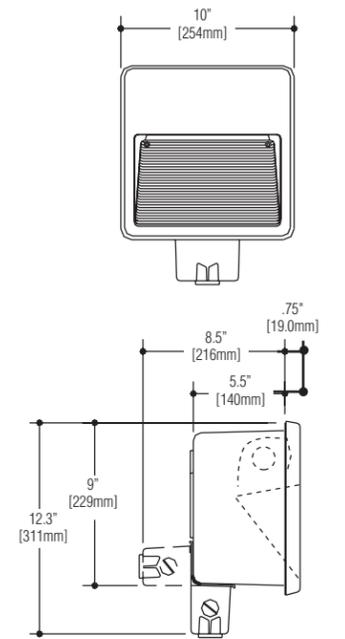
ELECTRICAL
FLUORESCENT UNITS: Electronic high power factor ballast standard.

H.I.D. UNITS: Magnetic high power factor ballast. Suitable for -20° F starting temperature.

FINISH: Fade and abrasion resistant, electrostatically applied, thermally cured TGIC textured polyester powder coat.

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

DIMENSIONS



946 - Standard



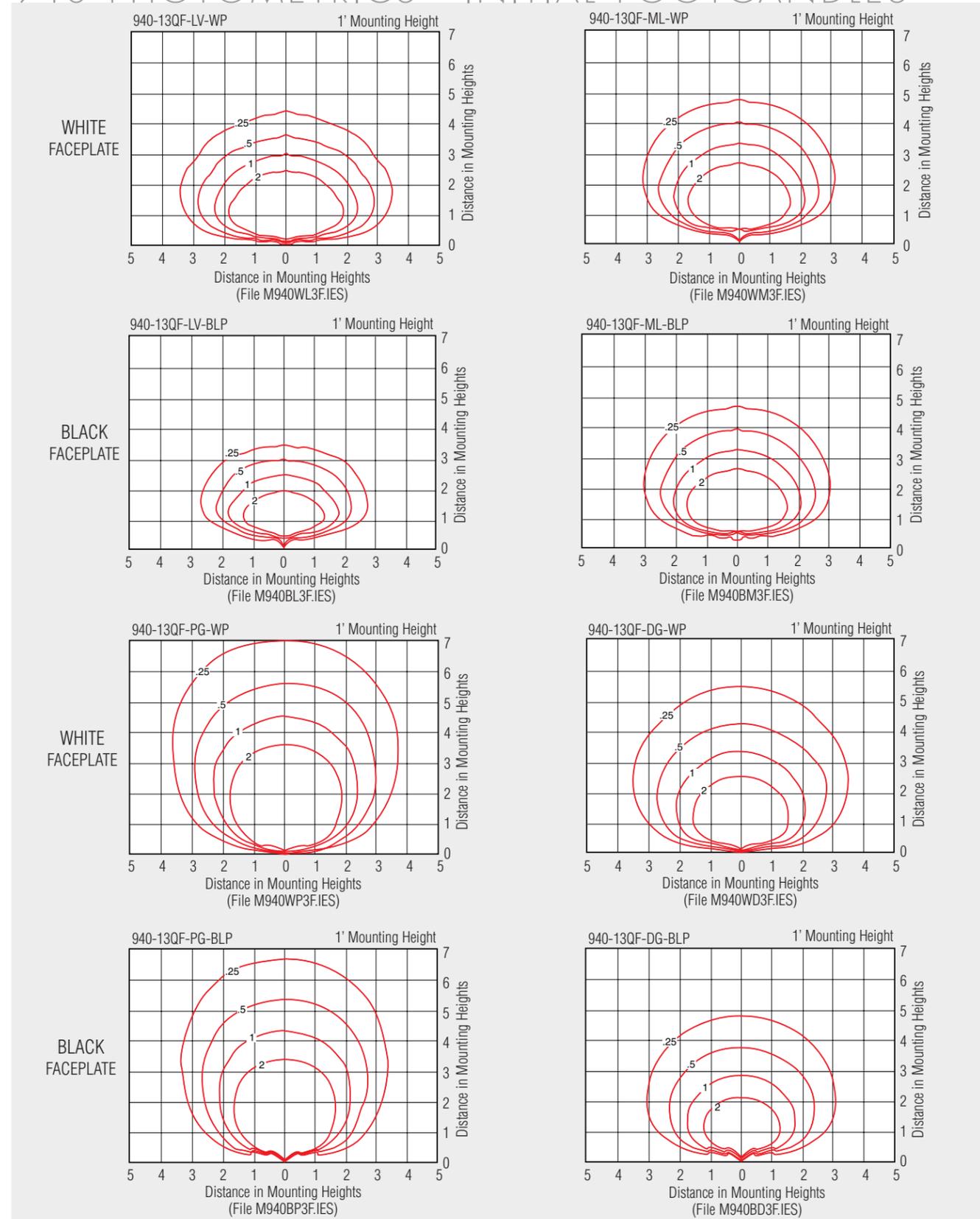
With cast guard option - CG
(view from below)

ORDERING

Example	PREFIX	WALL TYPE	LAMP	VOLTAGE	FINISH	OPTIONS
	946	C	100MH	120	BRP	F
	945	D Drywall Not suitable for concrete pour applications. Also, if insulating material is present, it must be kept at least 3" away from luminaire. Note: Type D units are thermally protected.	D TYPE 35HPS ¹ 26QF ^{2,3} 50HPS 32TRF ^{2,3} 50MH 42TRF ^{2,3}	120 277	BRP Bronze Paint BLP Black Paint WP White Paint NP Natural Aluminum Paint	F Fusing CG Cast Guard Over Lens
		C Concrete pour Suitable for concrete pour applications only.	C TYPE 35HPS ¹ 50MH 50HPS 50MH 70HPS 100MH 100HPS 26QF ^{2,3} 50MH 26QF ^{2,3} 70MH (2)42TRF ^{2,3} 100MH (2)42TRF ^{2,3} 32TRF ^{2,3} 42TRF ^{2,3}		OC Optional Color Paint Specify RAL designation as shown in the Color Selection Guide. ex: OC-Ral 7024 SC Special Color Paint Specify. Must supply color chip.	
			MH Metal Halide HPS High Pressure Sodium QF Quad Tube Fluorescent TRF Triple Tube Fluorescent			
			1. 120V only 2. Suitable for -0°F starting temperature 3. Electronic ballast, available in 120V through 277V only and 50 or 60 hz			

NOTE: Back housings for concrete pour applications (type C) are available for pre-shipment. Contact factory for details.

940 PHOTOMETRICS - INITIAL FOOTCANDLES



Lamp Conversion Factors

Fluorescent	Footcandle Factor	Incandescent	Footcandle Factor
7WTF (400 lms)	0.47	25WT10 (235 lms)	0.27
9WTF (600 lms)	0.70	40WT10 (415 lms)*	0.48
13WQF (860 lms)	1.00	60WT10 (745 lms)*	0.87

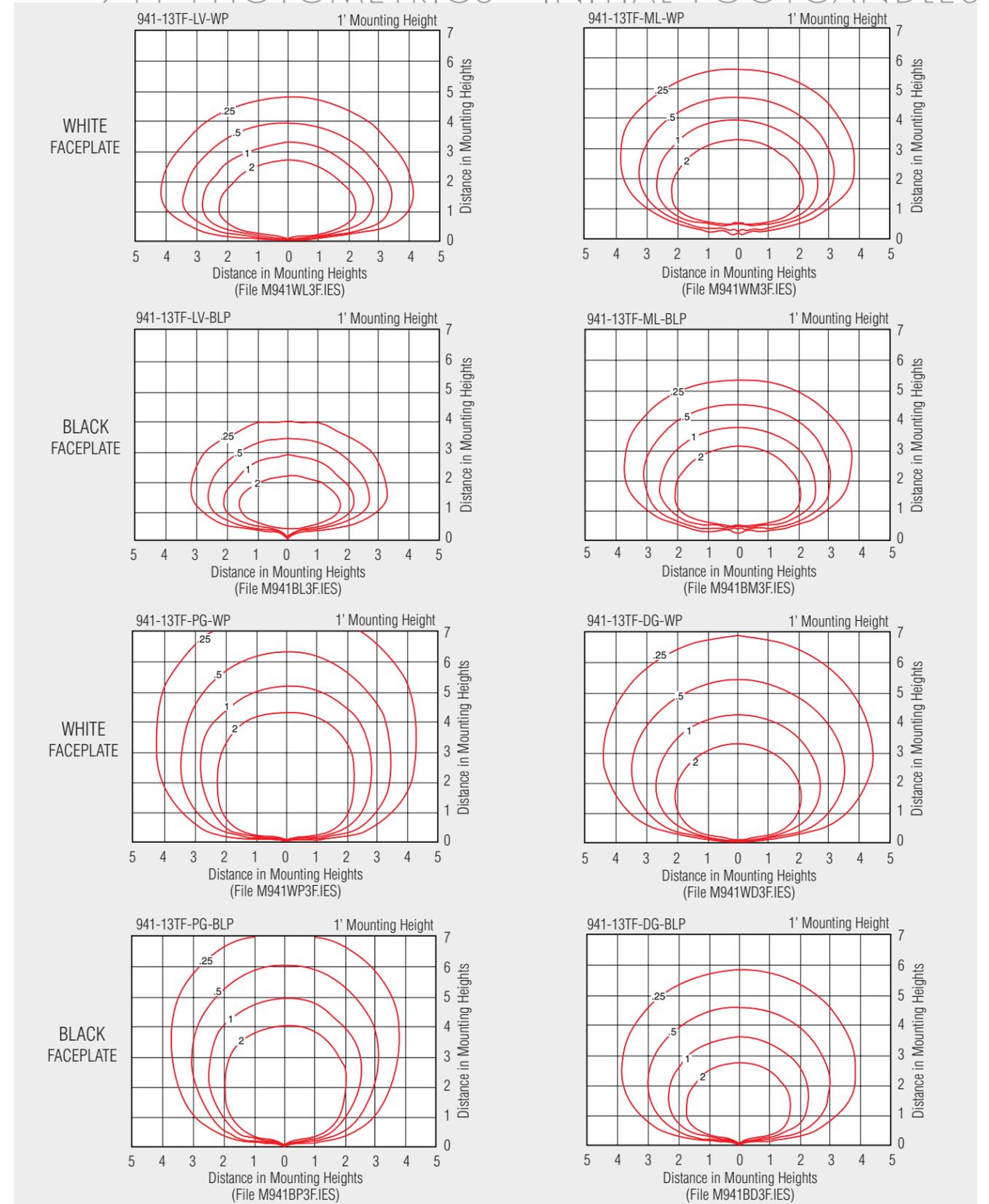
*NOTE: Maximum wattage for microlouver faceplate is 25W.

Mounting Height Conversion Factors

Mounting Height	6"	1'	1'6"	2'	2'6"	3'	3'6"
Footcandle Factor	4	1	.44	.25	.16	.11	.08

All performance data available on diskette. Contact your Gardco Lighting representative.

941 PHOTOMETRICS - INITIAL FOOTCANDLES



Lamp Conversion Factors

Fluorescent	Footcandle Factor	Incandescent	Footcandle Factor
7WTF (400 lms)	0.44	25WT10 (235 lms)	0.26
9WTF (600 lms)	0.67	40WT10 (415 lms)*	0.46
13WTF (900 lms)	1.00	60WT10 (745 lms)*	0.87

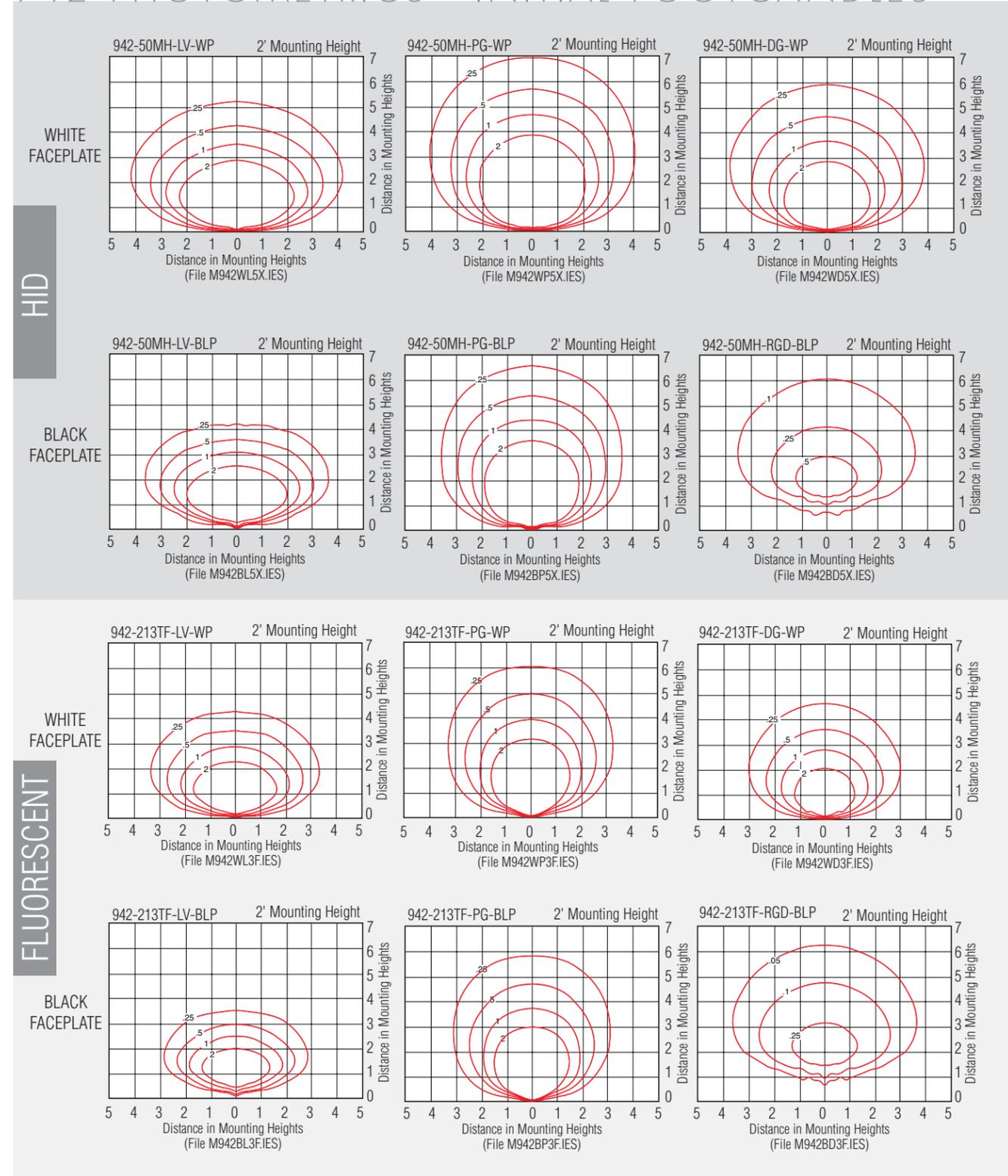
*NOTE: Maximum wattage for microlouver faceplate is 25W.

Mounting Height Conversion Factors

Mounting Height	6"	1'	1'6"	2'	2'6"	3'	3'6"
Footcandle Factor	4	1	.44	.25	.16	.11	.08

All performance data available on diskette. Contact your Gardco Lighting representative.

942 PHOTOMETRICS - INITIAL FOOTCANDLES



Lamp Conversion Factors

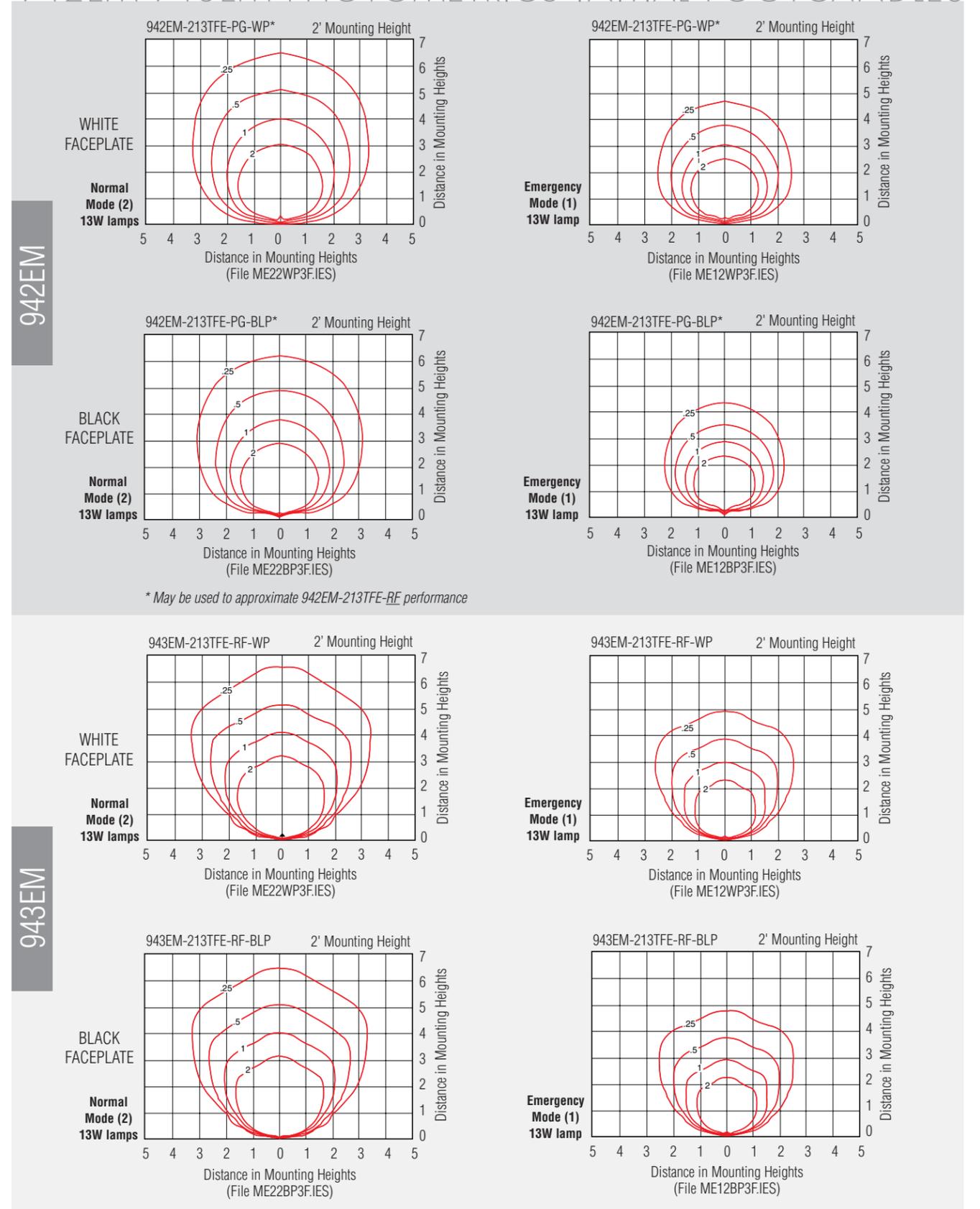
Fluorescent	Footcandle Factor	Diffuse HPS	Footcandle Factor*
13WTF (900 lms x 2)	1.00	35W (2150 lms)	0.63
28WQF (1600 lms x 1)	0.88	50W (3800 lms)	1.12
Coated Metal Halide	Footcandle Factor*	70W (6000 lms)	1.76
50W (3400 lms)	1.00	100W (8800 lms)	2.58
70W (4800 lms)	1.41	Mercury Vapor	Footcandle Factor*
100W (8000 lms)	2.35	50W (1650 lms)	0.48
		70W (3150 lms)	0.92
		100W (4500 lms)	1.32

Mounting Height Conversion Factors

Mounting Height	6"	1'	1'6"	2'	2'6"	3'	3'6"
Footcandle Factor	16	4	1.77	1	.64	.44	.32

All performance data available on diskette. Contact your Gardco Lighting representative.

942EM-943EM PHOTOMETRICS-INITIAL FOOTCANDLES



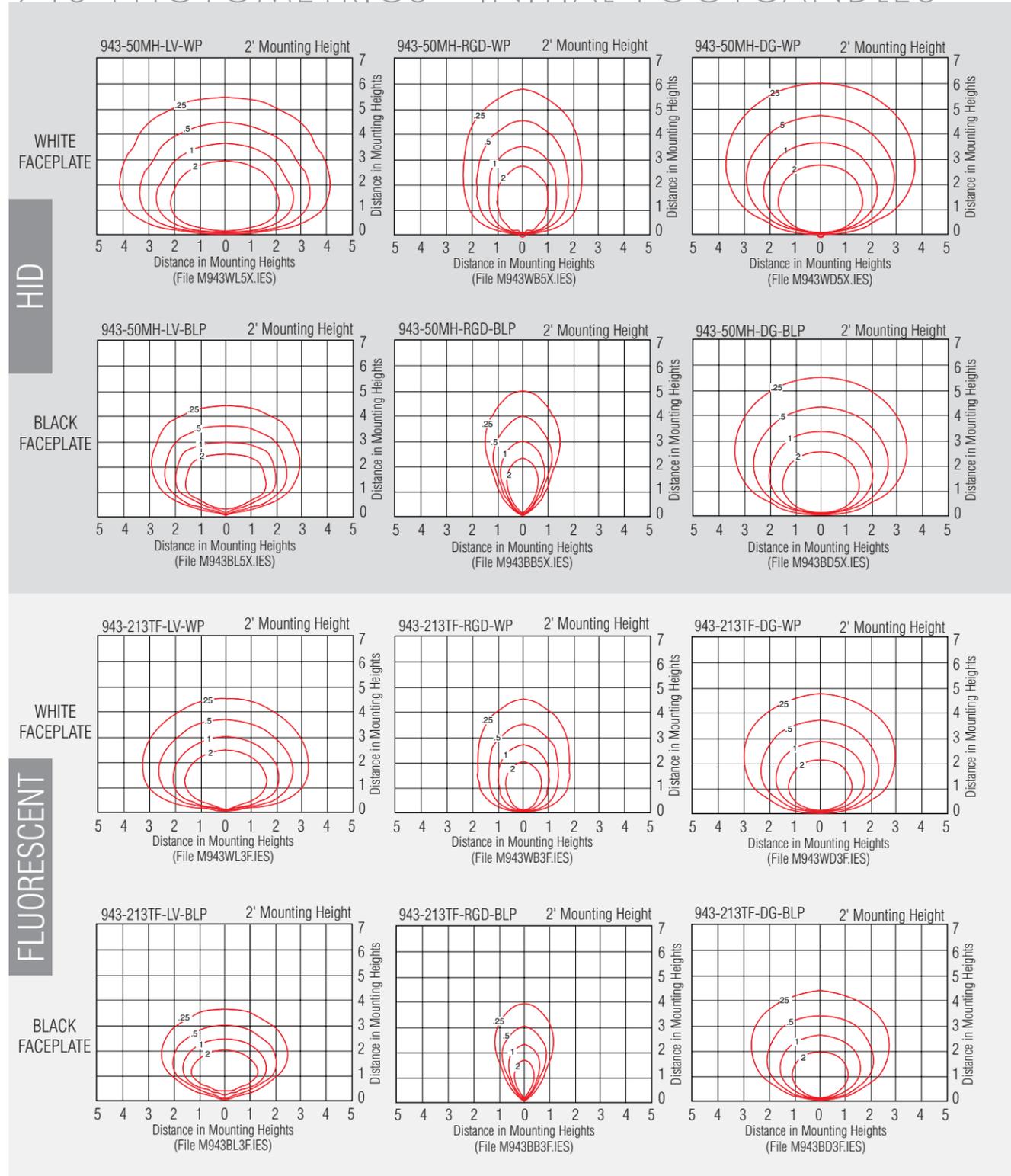
* May be used to approximate 942EM-213TFE-RF performance

Mounting Height Conversion Factors

Mounting Height	6"	1'	1'6"	2'	2'6"	3'	3'6"
Footcandle Factor	16	4	1.77	1	.64	.44	.32

All performance data available on diskette. Contact your Gardco Lighting representative.

943 PHOTOMETRICS - INITIAL FOOTCANDLES



Lamp Conversion Factors

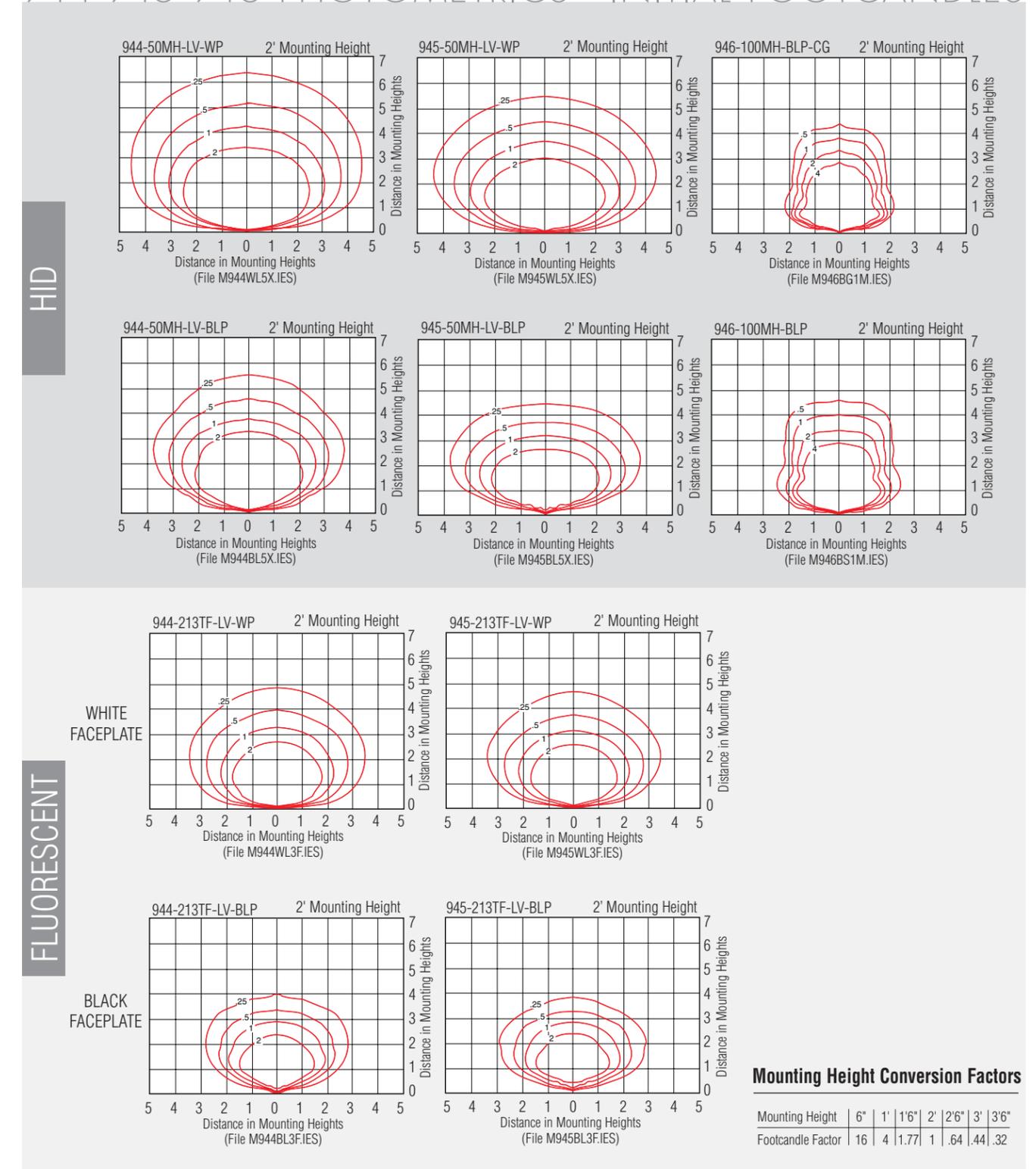
Fluorescent	Footcandle Factor	Diffuse HPS	Footcandle Factor*
13WTF (900 lms x 2)	1.00	35W (2150 lms)	0.63
28WQF (1600 lms x 1)	0.88	50W (3800 lms)	1.12
Coated Metal Halide	Footcandle Factor*	70W (6000 lms)	1.76
50W (3400 lms)	1.00	100W (8800 lms)	2.58
70W (4800 lms)	1.41	Mercury Vapor	Footcandle Factor*
100W (8000 lms)	2.35	50W (1650 lms)	0.48
		70W (3150 lms)	0.92
		100W (4500 lms)	1.32

Mounting Height Conversion Factors

Mounting Height	6"	1'	1'6"	2'	2'6"	3'	3'6"
Footcandle Factor	16	4	1.77	1	.64	.44	.32

All performance data available on diskette. Contact your Gardco Lighting representative.

944-945-946 PHOTOMETRICS - INITIAL FOOTCANDLES



Lamp Conversion Factors

944-945	Fluorescent	Footcandle Factor	Coated Metal Halide	Footcandle Factor*	946	Clear HPS	Footcandle Factor
	28WQF (1600 lms x 1)	0.89	50W (3400 lms)	1.00		35W (2250 lms)	0.26
	13WTF (900 lms x 2)	1.00	70W (4800 lms)	1.41		50W (4000 lms)	0.47
	Diffuse HPS	Footcandle Factor*	100W (8000 lms)	2.35		70W (6300 lms)	0.74
	35W (2150 lms)	0.63	Mercury Vapor	Footcandle Factor*		100W (9500 lms)	1.12
	50W (3800 lms)	1.12	50W (1650 lms)	0.48		Clear Metal Halide	Footcandle Factor
	70W (6000 lms)	1.76	70W (3150 lms)	0.92		50W (3400 lms)	0.40
	100W (8800 lms)	2.58	100W (4500 lms)	1.32		70W (5200 lms)	0.61
						100W (8500 lms)	1.00

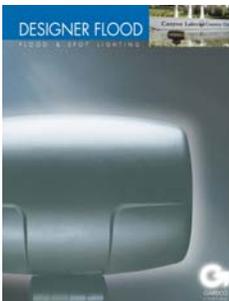
* Apply to HID values.

All performance data available on diskette. Contact your Gardco Lighting representative.

Mounting Height Conversion Factors

Mounting Height	6"	1'	1'6"	2'	2'6"	3'	3'6"
Footcandle Factor	16	4	1.77	1	.64	.44	.32

Designer Floodlights



Fascia Plates



Bollards



100 Line Sconces



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