



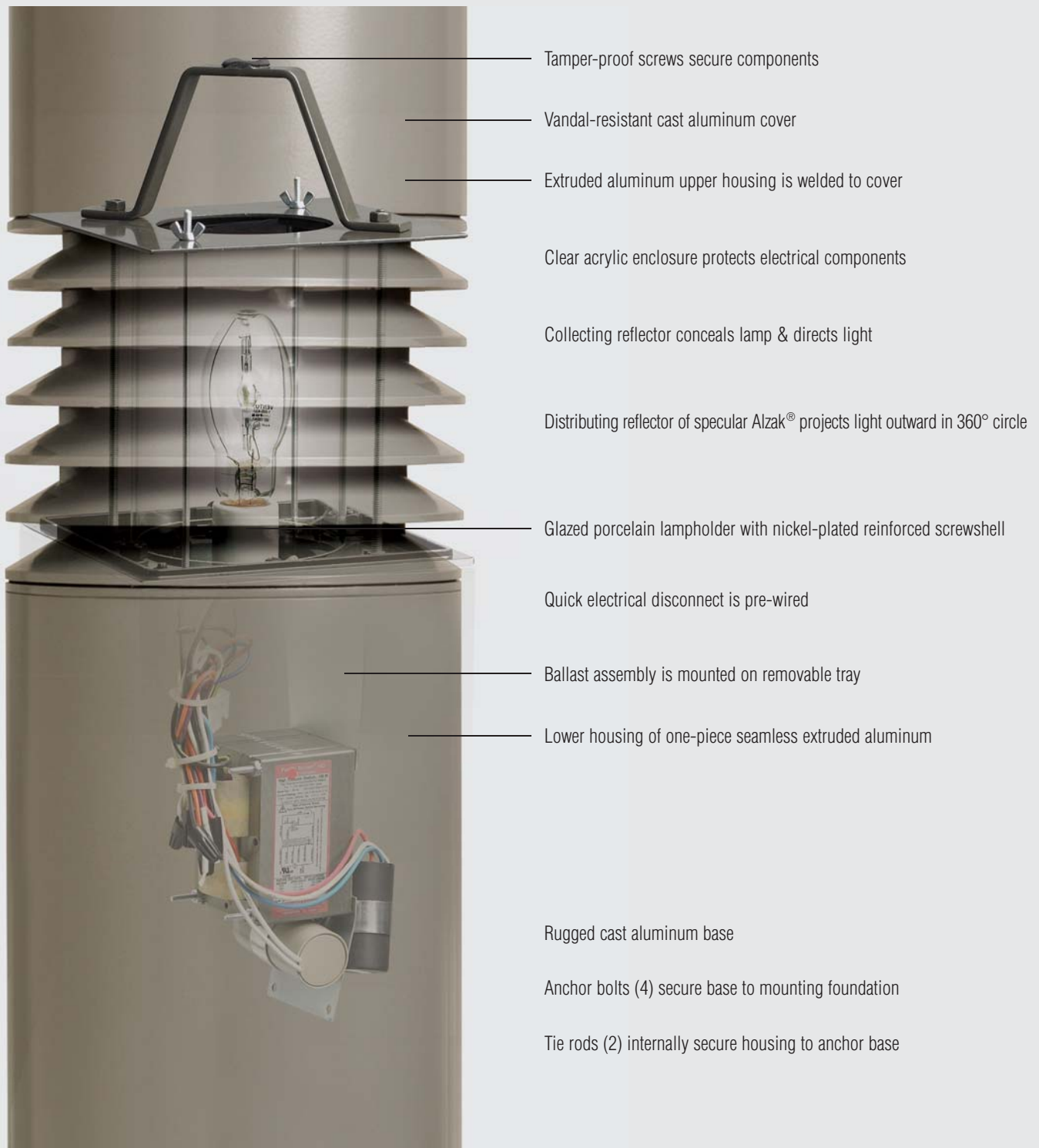
BR8

Round Bollard

PHILIPS
KEENE

BOLLARDS

In a low-level lighting environment, a luminaire must address not only specific lighting criteria, but also the essential issues of vandalism, durability and ease of maintenance. While our design philosophy always exhibits an understanding of and solution to these issues, nowhere are the results more apparent than in the line of Philips Keene Bollards. The rugged, high-performance luminaires include such features as seamless extruded housings, tamper-resistant hardware, and silicone seals and gaskets to assure years of trouble-free operation. Available in a round geometric form that blends well into any architectural landscape, Philips Keene Bollards can be specified with a wide variety of optical systems, ensuring that there's always a perfect fit for your particular project.



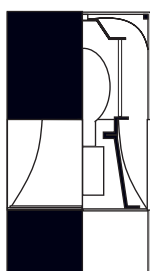
OPTICAL SYSTEMS

Philips Keene Bollards can be specified with a range of lamps and optical systems to satisfy the aesthetic and optical considerations for any lighting project. The Round Reflector configuration is a rugged and durable luminaire that uses a conical reflector of specular Alzak® to create exceptionally bright light in a 360° distribution, effortlessly illuminating pedestrian areas. Those desiring softer light in a downlight Type V distribution often select the Prismatic Glass Refractor configuration. For projects that require more illumination control at eye level, the Polished Louver and Cast Louver configurations provide distinct aesthetic choices that control glare by concealing the light source and directing light downward. No matter the optical system, all Philips Keene Bollards accept a range of high pressure sodium and metal halide lamps, and provide wide, uniform spacing to efficiently light any outdoor area.

Round

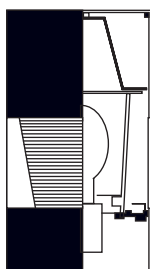
Cross Section

C



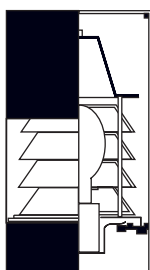
The Round Reflector configuration utilizes cone-shaped specular Alzak® to project light outward in a 360° circle. The collecting reflector conceals the light source and directs illumination to the distributing Alzak® reflector. A clear acrylic window seals the unit.

R



The Prismatic Glass Refractor diffuses light and distributes it outward and downward with a Type V distribution. Assembly is protected from the weather and vandals by a clear acrylic shield.

S



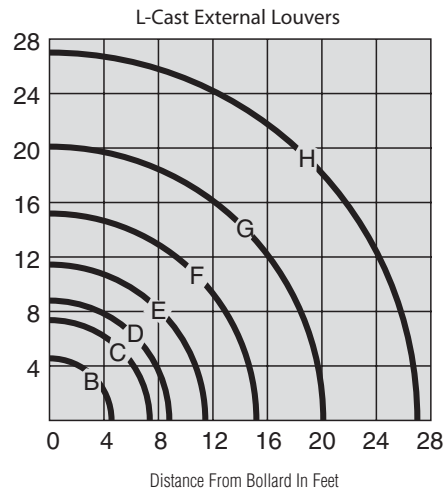
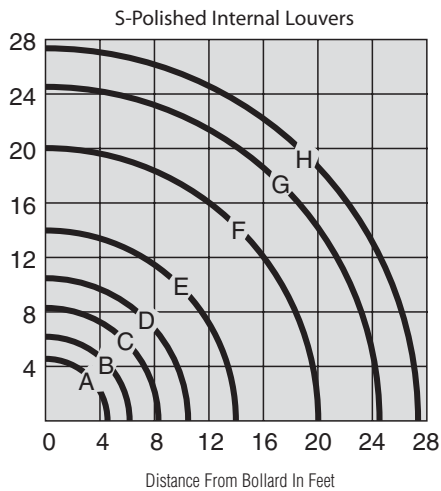
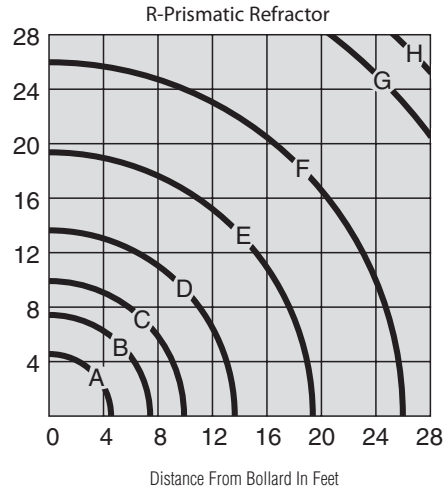
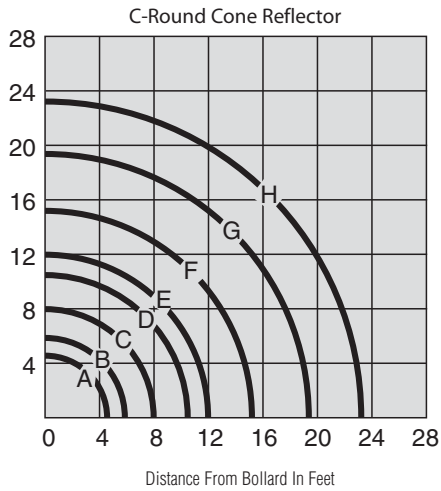
Round Polished Aluminum Louvers add a unique design element while hiding the light source and directing light downward in a 360° circular pattern. A clear acrylic shield protects the system.

L



Cast Louvers conceal the light source while directing illumination outward and downward. The rugged louvers are finished to match the rest of the luminaire. A glass cylinder mounted inside protects the lamp.

PHOTOMETRICS



Initial footcandles for 100W HPS 42" bollard
(center of optics 36" above grade)

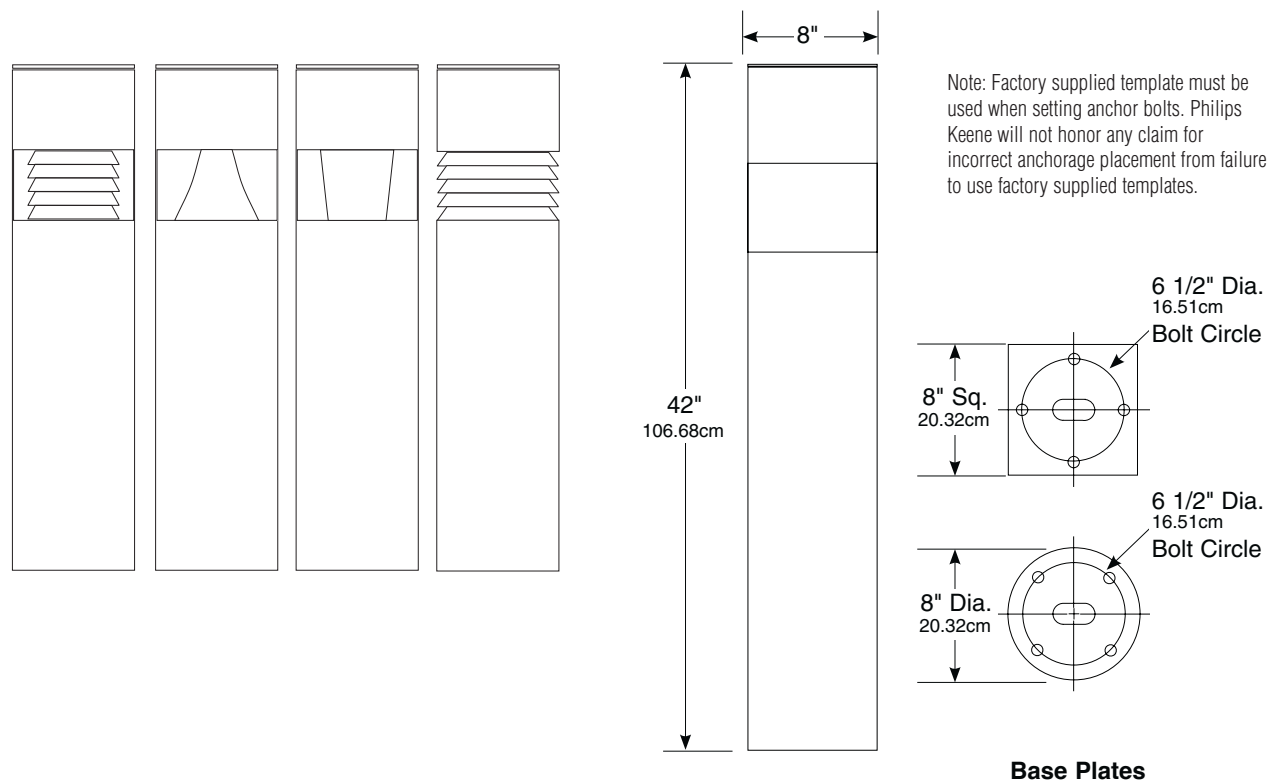
Curve	F.C. Values
A	10.0
B	5.0
C	2.0
D	1.0
E	.50
F	.20
G	.10
H	.05

Lamp Factor Table

Lamp	Factor
50W HPS	.42
70W HPS	.66
100W HPS	1.00
150W HPS	1.68
50W MH	.36
70W MH	.53
100W MH	.89
150W MH	1.47

For approximate f.c. levels, the factors shown may be multiplied by the 100W HPS value.
Ex: 70W HPS at C curve = .66 x 2.0 = 1.32 f.c.

DIMENSIONS



SPECIFICATIONS

UPPER HOUSING:

Extruded aluminum sides are welded to cast aluminum top and secured with single pin-in-head socket tamper-resistant screw.

LOWER HOUSING:

One-piece seamless extruded aluminum stands up to vandals and harsh environments.

LENS:

BR8 – One-piece 1/4" (.64 cm) extruded clear virgin acrylic.

OPTICAL SYSTEMS:

(C) Cone – Upper collecting and lower distributing Alzak® aluminum reflectors provide efficient distribution of light.

(R) Refractor – Prismatic borosilicate glass designed to direct light outward and downward.

(S) Polished Aluminum Louvers – Angled to provide maximum spacings while shielding the light source.

(L) Cast Louvers – Individually cast aluminum blades are fastened in a unitized assembly.

ANCHORAGE:

Cast aluminum base is secured to mounting foundation with four (4) 3/8" x 9"

(.95 cm X 22.86 cm) anchor bolts on a 6 1/2" (16.51 cm) bolt circle.

Two (2) threaded 3/8" (.95 cm) tie rods internally secure housing to anchor base.

ELECTRICAL:

Standard medium-base lampholder is glazed porcelain with nickel-plated reinforced screwshell and spring-loaded contact. Ballast and lampholder are pre-wired with quick electrical disconnects and mounted on a one-piece assembly secured internally to lower housing with two (2) captive screws. Each high power factor ballast is the separate component type, capable of providing reliable lamp starting down to -20°F / -29°C. Component-to-component wiring within the luminaire will carry no more than 80% of rated current and is listed by UL for use at 600 VAC at 150°C / 302°F or higher. Plug disconnects are listed by UL for use at 600 VAC, 15A or higher.

FINISH:

Each luminaire receives a fade- and abrasion-resistant, electrostatically applied, thermally cured and textured polyester powder finish.

LABELS:

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

ORDERING

Example	PREFIX	OPTICS	WATTAGE	VOLTAGE	FINISH	OPTIONS			
	BR8	C	50HPS	120	BRP	HS-90			
	BR8 Round	C	Cone Round Reflector	50HPS	120	BRP	Bronze Paint	HS-90	90° House Side Shield
				70HPS	277	BLP	Black Paint	HS-180	180° House Side Shield
		R	Refractor	100HPS		WP	White Paint	PCB	Button Photocontrol
		S	Polished Louvers	150HPS		NP	Natural Aluminum Paint	30	30" High <i>standard height is 42"</i>
				50MH		OC	Optional Color Paint	36	36" High <i>standard height is 42"</i>
				70MH			<i>Specify RAL designation</i>	F	Fusing
				100MH			<i>ex: OC-RAL7024.</i>		
		L	Cast Louvers	150MH ¹		SC	Special Color Paint		
						<i>Specify. Must supply color chip.</i>			

MH Metal Halide

HPS High Pressure Sodium

1. 150MH is pulse start by design.

Luminaire is EISA compliant by exception.

Prior to ordering, consult Submittal Data Sheet for the most current information, notes and exclusions.

**ISO 9001
CERTIFIED**



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