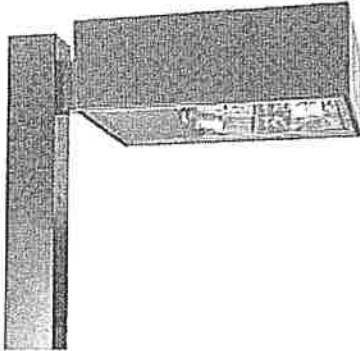


PRODUCT INFORMATION

Specification

**KSF**  
Spec-Form®



**Intended Use**  
For car lots, street lighting or parking areas.

**Construction**  
Housing: Rugged, heavy-gauge, aluminum rectilinear housing. All seams continuously welded for weathertight integrity.

**Doorframe:** Natural anodized, extruded aluminum frame with mitered corners, retained with two hinge pins and secured with one quarter-turn, quick-release fastener. Integrally designed, extruded silicone gasket provides weatherproof seal between housing and frame.

**Finish:** Dark bronze polyester powder finish standard. Additional architectural colors available; see [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors).

**Optics**  
Optics: Anodized segmented reflectors provide superior uniformity and control. KSF1/KSF2 reflectors are rotatable and interchangeable. KSF3 Type IV is rotatable. Five cut-off distributions available: R2 (roadway), R3 (asymmetric), R4SC (forward throw, sharp cutoff), R4W (wide, forward throw), R5S (square).

**Lens:** .125" thick, impact-resistant tempered glass with thermally applied, silk-screened power door shield.

**Electrical**  
Electrical components mounted to heavy-gauge plate to maximize heat dissipation and structural integrity. Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. All: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 80% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

**Socket:** Horizontally oriented, mogul-base porcelain socket for 175W and above, medium base for 150W and below, with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V, 4KV pulse rated.

**Installation**  
Mounting: Extruded aluminum arm for square pole mounting shipped in fixture carton as standard. Optional mountings available.

**Listings**  
UL Listed (standard), CSA Certified or NOM Certified (see Options). UL Listed for 25°C ambient and wet locations. IP65 rated.



**ORDERING INFORMATION** For shortest lead times, configure products using bolded options.

Example: KSF1 250S R3 TB SP09 LPI

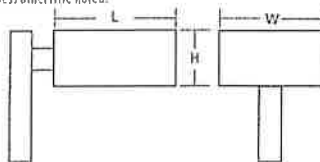
Series	Lamp type <sup>1</sup>	Distribution	Voltage	Ballast	Mounting	Optional mounting, ships separately <sup>13,14</sup>
KSF1	High pressure sodium <sup>7</sup>	R2 Type II roadway <sup>8</sup>	120	(blank) Magnetic ballast	<b>Arm mounting</b>	WB09 9" arm for wall
KSF2	Metal halide <sup>1</sup>	R3 Type III asymmetric	208 <sup>11</sup>	CWI Constant wattage isolated <sup>11</sup>	SP04 4" arm for square pole <sup>11</sup>	WW09 9" arm for wood pole or wall
KSF3	Metal halide ceramic <sup>7</sup>	R4 Type IV, FT <sup>12,13</sup>	240 <sup>11</sup>	SCWA Super CWA ballast	RP04 4" arm for round pole <sup>11</sup>	KMA External mast arm adaptor
	70S	R4SC Type IV, FT, sharp cutoff <sup>8</sup>	277		WB04 4" arm for wall	DA12P 12" degree arm for pole
	100S	R4W Type IV, FT, wide <sup>14,9</sup>	347		WW04 4" arm for wood pole or wall	DA12WB 12" degree arm for wall
	150S	R5S Type V symmetric square <sup>8</sup>	480 <sup>11</sup>		SP09 9" arm for square pole <sup>11</sup>	KTMB Twin mounting bar
	250S		TB <sup>11</sup>		RP09 9" arm for round pole <sup>11</sup>	
	400S		23050HZ <sup>11</sup>			
	1000S					
	320M <sup>14,5</sup>					
	350M <sup>14,5</sup>					
	400M <sup>5</sup>					

Options	Finish	Lamped
<b>Ships installed</b>	(blank) Dark bronze (std.)	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	DGC Charcoal gray	
EC Emergency circuit <sup>17</sup>	DMB Medium bronze	
QRS Quartz restrike system <sup>17</sup>	DNA Natural aluminum	
PER NEMA twist-lock receptacle only <sup>17</sup>	DWH White	
KW1 Kilowatch 120V control <sup>17</sup>	CR Enhanced corrosion resistance	
KW4 Kilowatch 277V control <sup>17</sup>	CRT Non-stick protective coating (black)	
CSA Meets Canadian standards		
<b>Ships separately<sup>15</sup></b>		
NOM Meets Mexican standards (consult factory)		
INTL Available for ILLI probe start shipping outside the U.S.	SC Shorting cap for PER option	
PE1 NEMA twist-lock PE (120V-240V)	HS House-side shield <sup>16</sup>	
PE3 NEMA twist-lock PE (347V)	VG Vandal guard <sup>19</sup>	
PE4 NEMA twist-lock PE (480V)		
PE7 NEMA twist-lock PE (277V)		

**ADDITIONAL INFORMATION** For additional product information, visit [www.lithonia.com](http://www.lithonia.com).

SERIES	LAMP TYPE	DISTRIBUTION
KSF1	70S, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M, 200M, 250M	R2, R3, R4SC
KSF2	250S, 320M, 350M, 400S, 400M	R2, R3, R4SC, R4W, R5S
KSF3	1000S, 1000M	R3, R4, R5S

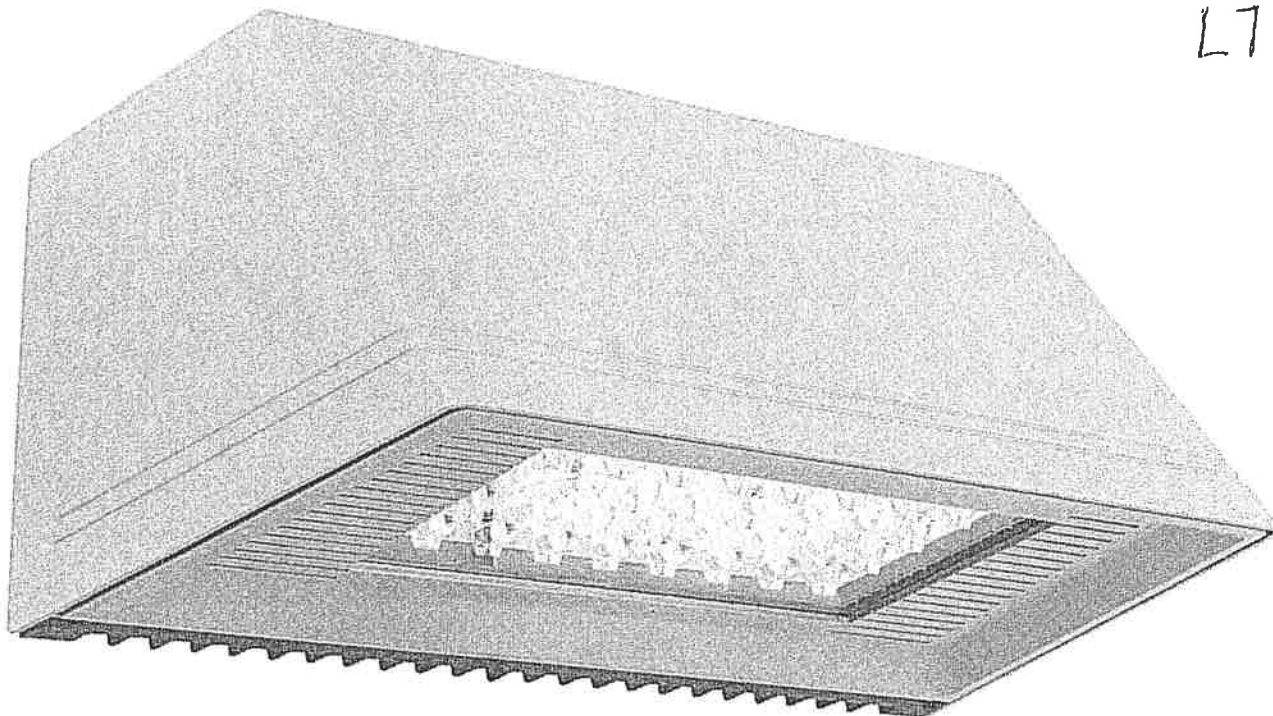
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (millimeters) unless otherwise noted.



KSF1	KSF2	KSF3
EPA: 1.5 ft <sup>2</sup> (0.14 m <sup>2</sup> )	2.0 ft <sup>2</sup> (0.19 m <sup>2</sup> )	3.0 ft <sup>2</sup> (0.28 m <sup>2</sup> )
Length: 21-1/4 (54.0)	24-5/8 (62.5)	29-5/8 (75.2)
Width: 15-1/2 (39.3)	17-3/4 (45.1)	23-5/8 (59.9)
Height: 7-1/4 (18.4)	8-3/8 (21.1)	10-1/2 (26.7)
Max. weight: 35 lbs (15.9 kg)	52 lbs (23.6 kg)	80 lbs (36.3 kg)

- Notes**
- Specify lamp type and distribution. See Configurations table.
  - Not available with SCWA.
  - Universal, mogul base lamp allows KSF to be available with SCWA.
  - Must be ordered with SCWA.
  - Must use ED28 lamp.
  - Must use B137 lamp with R5S.
  - Not applicable with L/LP.
  - Not available KSF3.
  - Not available KSF1.
  - Not available KSF2.
  - Must specify CWI for use in Canada.
  - Optional ILLI-top ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
  - Consult factory for available wattages.
  - KSF1, KSF2 must use 9" arm. KSF3 must use 12" arm when mounting two luminaires at 90°.
  - May be ordered as accessory.
  - Must specify finish.
  - Maximum allowable wattage lamp included.
  - Photocell not included.
  - Available with 150S, 250S and 400S only.
  - Prefix with fixture name and size. VG: KSF1VG, KSF2VG, HS: KSF1HS, KSF2HS (for use with R2 or R3); KSF3HS (for use with R3 or R4).

L7



#### 101L Trapezoidal Wedge

With its tapered rectilinear form, this family immediately impresses with styling that integrates comfortably with a wide range of architectural elements.

## The lighting's on the wall.

In 1992 Gardco Lighting introduced a product that completely altered the shape and character of wall mounted illumination. No longer were glare-inducing wall packs the de facto choice for building façades, loading docks and walkways. By incorporating full cutoff performance, usable illumination patterns and powerful wattages into compact and architecturally pleasing designs, Gardco forever changed the lighting specifier's expectations. The fact that a great many manufacturers were quick to offer their own versions of this revolutionary approach proves that, once again, Philips Gardco leads the way. Now, with the addition of energy efficient LED sources the 100 LINE is poised to do it again.

With the 100 LINE LED luminaires, specifiers will find compact wall sconces that provide wide flexibility in high performance illumination and new opportunities to make a sustainable architectural statement. Available in two LED wattages and three distribution patterns, these luminaires continue the Philips Gardco tradition of beautifully advancing the art and science of illumination.

# LR6™

## Six-Inch LED Downlight

### Product Description

The LR6™ LED downlight delivers 650 lumens of exceptional 90+ CRI light while achieving over 60 lumens per watt. This breakthrough performance is achieved by combining the high efficacy and high-quality light of Cree TrueWhite<sup>1</sup> Technology. The LR6 is available in warm or neutral color temperatures and has a variety of trim options. It easily installs into most standard six-inch recessed IC or non-IC housings, making the LR6 perfect for use in commercial new construction or retrofit applications.

### Performance Summary

- Utilizes Cree TrueWhite<sup>1</sup> Technology
- Active Color Management
- Delivered Light Output: 650 lumens
- Input Power: 10.5 watts
- CRI: 90
- CCT: 2700K, 3500K
- Warranty: 10 years<sup>1</sup>
- Lifetime: Designed to last 50,000 hours
- Dimming: Dimmable to 20%<sup>1</sup>

### Ordering Information

Example: LR6

Trim
LR6 2700K, Edison Base
LR6-GU24 2700K, GU24 Base
LR6C 3500K, Edison Base
LR6C-GU24 3500K, GU24 Base

### Housings & Accessories

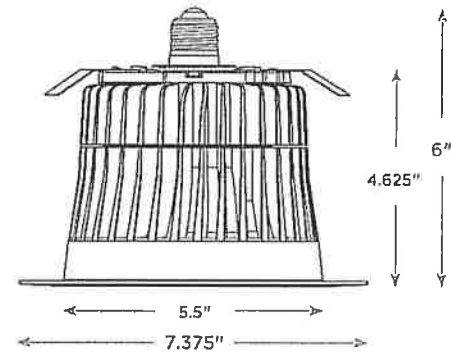
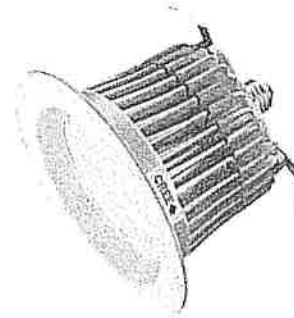
Reference Housing & Accessory documents for more details.

Trim	Accessories
LT6A Diffuse anodized finish	LT6AB Black anodized finish
LT6AW Wheat diffuse anodized finish	LT6WH Smooth white
LT6AP Pewter diffuse anodized finish	LT6BB Flat black finish trim and reflector

Trim	Accessories
H6 Architectural	SC6 Cylindrical Surface Mount
RC6 New Construction	SC6-CM Cylindrical Cord Mount
RR6 Retrofit	SC6-WM Cylindrical Wall Mount

<sup>1</sup> Reference [www.cree.com/lighting](http://www.cree.com/lighting) for recommended dimmers.  
<sup>1</sup> See [www.cree.com/lighting](http://www.cree.com/lighting) for warranty terms.

LR6



Rev. Date 12/19/2012





H-9

## FEATURES & SPECIFICATIONS

**INTENDED USE** — For walkways, plazas or pedestrian areas. Certain airborne contaminants can diminish integrity of acrylic. [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

**CONSTRUCTION** — Extruded one-piece aluminum, 0.156" wall thickness. Molded top cover, 0.156" wall thickness. 42" overall height standard. 8" nominal diameter tube standard. Three 1/2" x 11" anchor bolts with double nuts and washers (shipped separately). 3-3/4" bolt circle template included.

**Finish:** Standard finish is textured dark bronze (DDBT) polyester powder, electrostatically applied and oven-cured. Other colors and flat powder paint available as options.

**OPTICS** — Two reflector options are available: Type V symmetric and asymmetric distribution. Asymmetric reflector is adjustable independent of bollard orientation and can be adjusted without removing top cover. Lens is clear, seamless 100% virgin acrylic, 1/4" wall, flush fitting. Coated lamp is standard.

**ELECTRICAL** — High pressure sodium and metal halide are high-power-factor ballasts. Ballast is 100% factory-tested for reliable operation. Electrical components are tray-mounted with quick-disconnect plug and are accessible through top of bollard. Vertically oriented, medium-base pulse-rated porcelain socket with copper alloy, nickel-plated shell and center contact. Compact fluorescent electronic high-frequency multi-volt ballast, starting temperature 0° F (-18° C), <10% THD. Ballasts are mounted on a removable power tray. Four-pin, white thermoplastic body with quick-connect push-in wiring terminals.

**LISTINGS** — Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards for wet locations (see Options.) NOM Certified (see Options).

Note: Specifications subject to change without notice.

Catalog Number
Notes
Type



Architectural Bollard

# MRBX

HIGH PRESSURE SODIUM  
METAL HALIDE  
COMPACT FLUORESCENT  
INCANDESCENT



### Specifications

Nominal Diameter: 8 (20.3)

Height: 42 (106.7)

\*Max. Weight: 45 lbs (20.4 kg)

\*Weight as configured in example below.

All dimensions are inches (centimeters) unless otherwise specified.

## ORDERING INFORMATION For shortest lead times, configure product using **bolded options.**

Example: MRBX 70M ASY 120 LPI

MRBX	Wattage		Distribution		Voltage	Ballast	Options	Finish <sup>12</sup>	Lamp <sup>11</sup>
MRBX	<u>High pressure sodium</u>	<u>Compact fluorescent</u>	<b>SYM</b>	Type V symmetric	<b>120</b>	<u>HID</u>	<u>Shipped/Installed in fixture</u>	(blank) Dark bronze, textured	<b>LPI</b> Lamp Included
	355 <sup>1</sup>	13DFT	<b>ASY</b>	Asymmetric	<b>208<sup>1</sup></b>	(blank) Standard magnetic	SF Single fuse (120, 277, 347V; N/A TB) <sup>6,9</sup>	DSST Sandstone, textured	<b>L/LP</b> Less lamp
	505	26TRT			<b>240<sup>1</sup></b>	CWI Constant wattage isolated	DF Double fuse (208, 240V) <sup>6,9</sup>	DNAT Natural aluminum, textured	
	705	32TRT			<b>277</b>	<u>Compact fluorescent</u>	GLR Internal fast-blow fusing <sup>6,9</sup>	DWHG White, textured	
	1005	<u>Incandescent</u> <sup>2</sup>			<b>347<sup>1</sup></b>	(blank) Electronic, 0" F	GMF Internal slow-blow fusing <sup>6,9</sup>	DBLB Black, textured	
	<u>Metal halide</u>	1			<b>TB<sup>6,8</sup></b>	<u>Incandescent</u>	ELDWC Cold-weather emergency battery pack (-20°C min. start temp.) <sup>6,9,10</sup>	CR Enhanced corrosion resistance	
	50M				<b>MVOLT<sup>2,4</sup></b>	(blank) None	H24 24" overall height		
	70M						H30 30" overall height		
	100M						H36 36" overall height		
							CSA CSA Certified		
							NOM NOM Certified <sup>11</sup>		
							<u>Shipped separately</u>		
							HIS Internal half shield		

### Notes:

- 120V only.
- 120V only. 100W max. A19 lamps only. Not available with LPI.
- Must specify CWI for use in Canada.
- 347V not available in 505.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Available for HID units only.
- Optional multi-volt electronic ballast capable of operating any line voltage from 120-277V.
- Compact fluorescent only.
- Must specify voltage.
- ELDWC with compact fluorescent does not satisfy North Carolina code criteria for state-owned buildings per 2012 IBC Building Code: 1006.3 and 1006.4.
- Consult factory for availability.
- See [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors) for additional color options.
- Must be specified. Coated lamps required (35K lamp for CFL LP).