



What “Powered by Design Pro LED Technology” means to you!

Professional grade LED lighting and systems components, designed and engineered for optimum all-weather performance with natural lighting effects ...



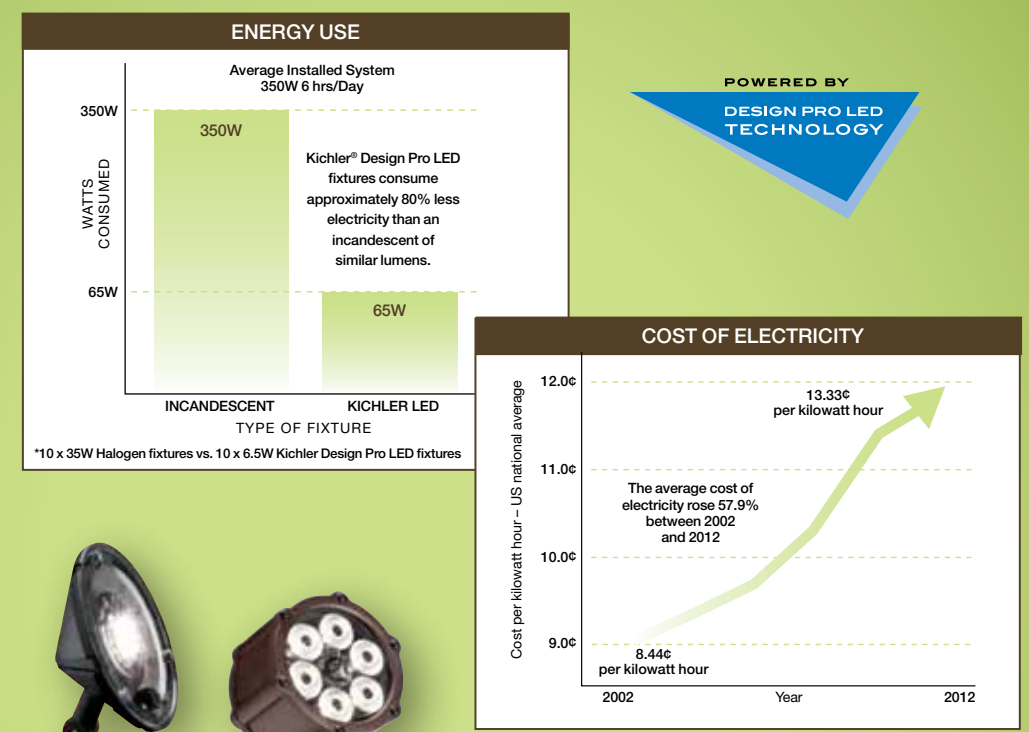
LED & Incandescent | 120V & HID Lighting

The result is an extremely efficient, state-of-the-art LED fixture that delivers a pure, white light with the right amount of lumens to enhance any exterior design – and illuminate your specific application the way it was intended.

For your clients, Kichler® Design Pro LED offers long-term cost savings since the fixtures use 80% less electricity than traditional lighting. Plus, our complete Landscape Lighting collection features an extensive selection that allows you to reap the benefits of LED on any outdoor landscape lighting job.

See our complete line of professional grade landscape lighting at: www.landscapelighting.com

LED Energy & Cost Comparison



ST12LD2294
10.12





LED & Incandescent 120V & HID Lighting


Create a total landscape plan, with a variety of commercial-grade pieces that live up to harsh environmental conditions and every-day wear-and-tear.

Illuminating a commercial setting means planning for the here-and-now – and for the future. Our Design Pro LED accent lights, featuring our exclusive Radiax™ Optics deliver the greatest lumens per watt in the industry for energy savings and lower maintenance costs for comparable fixtures. We also offer a full range of Design Pro LED 12V options. See our complete line at Landscapelighting.com.

Our powerful halogen and HID fixtures are built to last with durable, cast-aluminum housings for years of reliable performance at a value.

 Become a fan of Kichler Lighting at: [facebook.com search Kichler Lighting](https://www.facebook.com/kichlerlighting)

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Design Pro LED 120 Volt

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Incandescent 120 Volt & HID

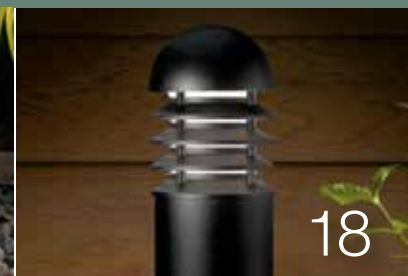
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Incandescent - Path & Spread 18



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Radiax optics give Kichler fixtures the greatest lumens per watt in the industry.

POWERED BY
DESIGN PRO LED
TECHNOLOGY

WITH
Radiax™
OPTICS



Medium Accent Fixture (Shown in BBR) Available in 120V (12.5W) & 12V (6.5W & 13W) Versions



Large Accent Fixture (Shown in AZT) Available in 120V (19.5W & 29W) & 12V (21W) Versions



Design Pro LED fixture
120V, 12.5 Watt



Competitor LED fixture
120V, 13 Watt

Also available in 12 Volt versions including In-Ground options. See our complete Design Pro LED line at Landscapelighting.com



Small Accent Fixture (Shown in WHT) Available in 12V (3W & 4W) Version Only



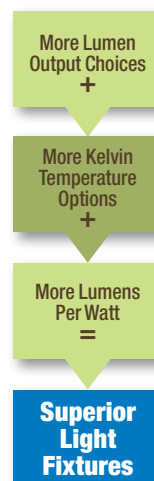
In-Ground Fixture (Cast Brass) Available in 12V (3W, 6.5W & 14W) Version Only

Precise, powerful & efficient landscape lighting

Discover the most technologically evolved lighting fixtures available in the landscape industry.

We've engineered our exclusive **Radiax™ optics** to generate **more lumens with less wattage** for superior results. We've also expanded your options for design with **multiple Kelvin temperatures** and **lumen output choices**. And, we've integrated it all into a unit that's **sealed and fully potted to protect it from the elements**. Then, we backed it up with a 10 year commercial and 15 year residential warranty*. Our latest Design Pro LED 12V accent or in-ground options, as well as our 120V accent products, deliver versatility that gives every residential and commercial job a **more professional look**.

*For warranty, go to landscapelighting.com

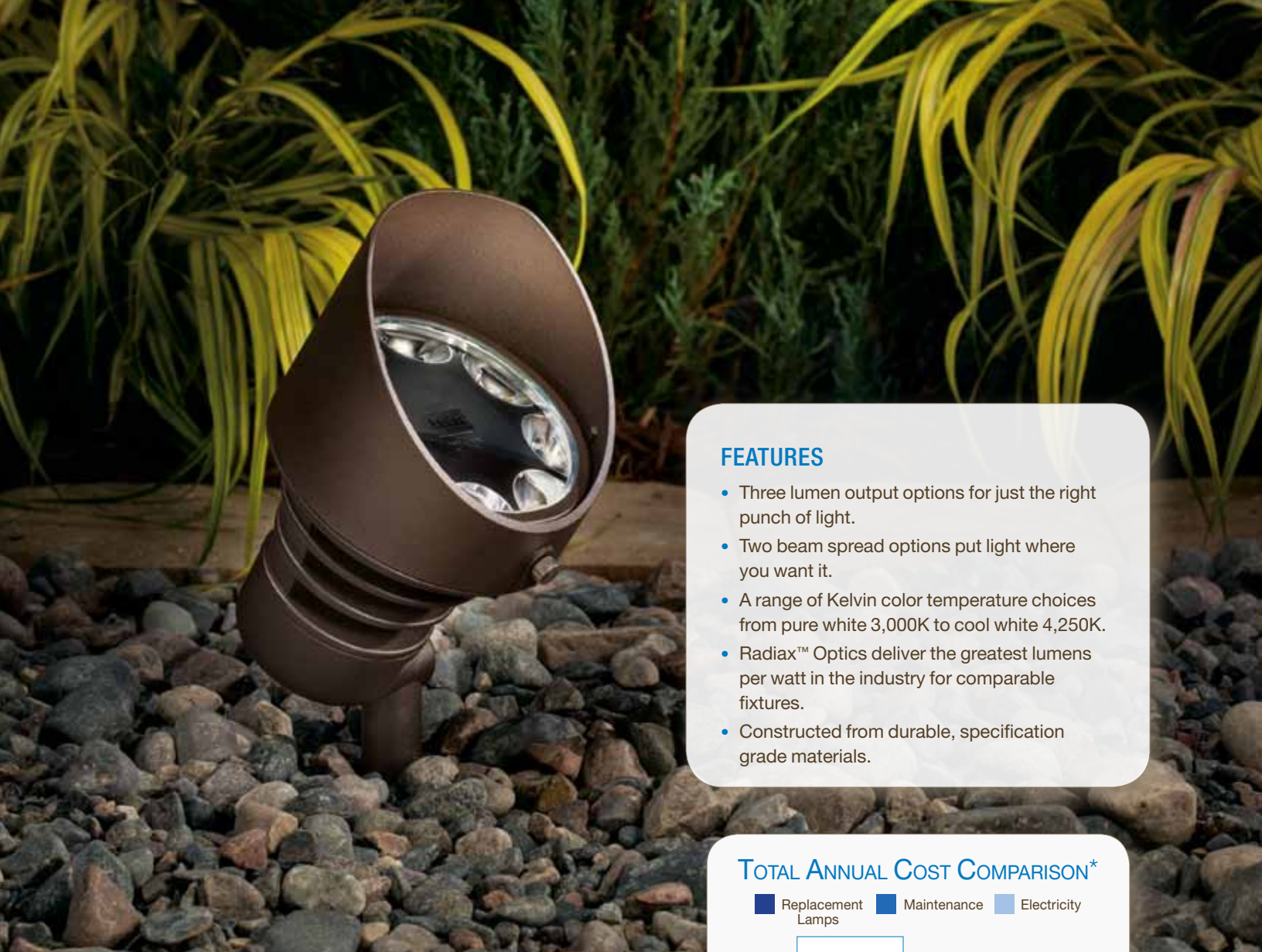


Design Pro LED with Radiax™ Optics: Superior LED Light Fixtures, Superior Results



Money Saving Solutions! Watch the Video on Design Pro LED in action.

Wattage equals energy used – and in the old days, it also equated to how bright a light looked. Today, we know that lumens are a better indication of a light's brightness, and at Kichler we've engineered a solution to get the **most lumens with the least amount of wattage**. Our **Radiax™ optic**, a Kichler exclusive design, **drives increased output** from our LED chips, creating a **more focused** light at a **cooler operating temperature**. Plus, the Radiax high performance LED optics are engineered **specifically for landscape lighting use**. In addition, a range of Kelvin temperature options gives you the **precise light effects** you need on every job.



LED 120V Accent

In the commercial world, ROI counts – and you can count on our 120V fixtures to pay for themselves on average in less than two years with lower cost of ownership. Plus, our Radiax™ Optics deliver more efficient lumens per watt, for energy savings that help the bottom line. There's no better solution for replacing your halogen PAR and metal halide lamps.

75W Halogen

= \$113.73
per year

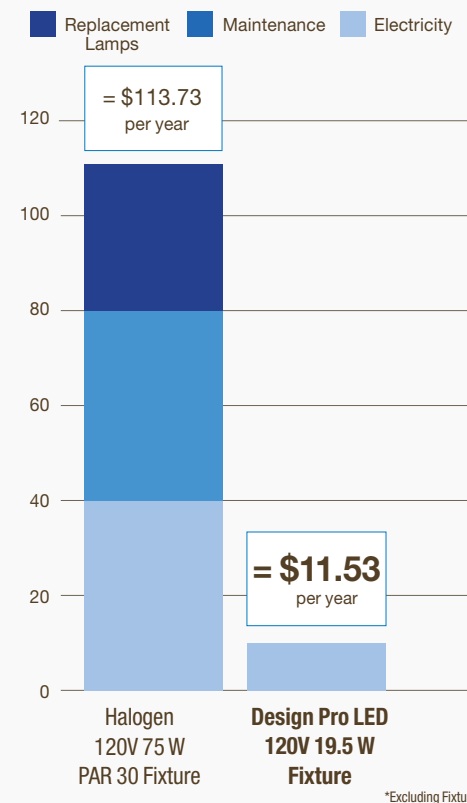
19.5W Design Pro LED

= \$11.53
per year

FEATURES

- Three lumen output options for just the right punch of light.
- Two beam spread options put light where you want it.
- A range of Kelvin color temperature choices from pure white 3,000K to cool white 4,250K.
- Radiax™ Optics deliver the greatest lumens per watt in the industry for comparable fixtures.
- Constructed from durable, specification grade materials.

TOTAL ANNUAL COST COMPARISON*



120V 12.5W LED ACCENT



Name	120V 12.5W LED ACCENT
Description	A specification-grade LED fixture collection for both new installations and existing fixture replacement.
Housing	Cast Aluminum, Cast Brass (brass will naturally patina over time)
Finish	Textured Architectural Bronze (marine grade powder coat) Bronzed Brass
Light Source	Integrated LEDs, Driver and Transformer
LEDs	High Output Cree® LEDs tightly binned for color uniformity
Color Temp. (CCT)	3000K (-45/+130) Pure White, 4250K (-250/+250) Cool White
CRI	3000K = 80s, 4250K = High 70s
Optics	Radiax™ Optic
Power Usage	12.5W, .13A, .85pf
Operating Voltage Range	108-132V AC, 50-60 Hz
Lumen Maintenance	Tested to an L-70 of 40,000 hours
Total Lumens	3,000K = 590 4,250K = 646
Efficacy	3,000K = 47 Lm/W 4,250K = 52 Lm/W
Wiring	8" of usable 200° C 18AWG wire leads
Mounting Acces. Included	N/A
Optional Mounting Accessories	15276 – Power Post® 15601 – Surface Mounting Flange, for attachment to junction box 15609 – Junction Box Mounting Bracket
Notes	Subjected to Highly Accelerated Life Testing – 3rd party reliability testing. *Cree is a registered trademark of Cree, Inc.

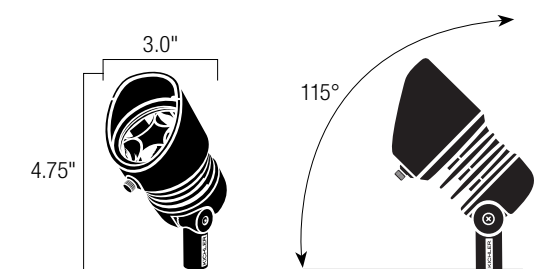
ORDER GUIDE



Kelvin	3000K PURE WHITE	4250K COOL WHITE
Watts/Lumens	Compares to Halogen 50W PAR30	
Beam Spread 10° Spot	16200 AZT30 16200 BBR30	16200 AZT42 16200 BBR42
Beam Spread 35° Flood	16201 AZT30 16201 BBR30	16201 AZT42 16201 BBR42

FINISH GUIDE

AZT – Textured Architectural Bronze
BBR – Bronzed Brass



120V 19.5W LED ACCENT



Name	120V 19.5W LED ACCENT
Description	A specification-grade LED fixture collection for both new installations and existing fixture replacement.
Housing	Cast Aluminum, Cast Brass (brass will naturally patina over time)
Finish	Textured Architectural Bronze (marine grade powder coat) Bronzed Brass
Light Source	Integrated LEDs, Driver and Transformer
LEDs	High Output Cree® LEDs tightly binned for color uniformity
Color Temp. (CCT)	3000K (-45/+130) Pure White, 4250K (-250/+250) Cool White
CRI	3000K = 80s, 4250K = High 70s
Optics	Radiax™ Optic
Power Usage	19.5W, .18A, .90pf
Operating Voltage Range	108-132V AC, 50-60 Hz
Lumen Maintenance	Tested to an L-70 of 40,000 hours
Total Lumens	3,000K = 947 4,250K = 993
Efficacy	3,000K = 49 Lm/W 4,250K = 51 Lm/W
Wiring	8" of usable 200° C 18AWG wire leads
Mounting Acces. Included	N/A
Optional Mounting Accessories	15276 – Power Post® 15601 – Surface Mounting Flange, for attachment to junction box 15609 – Junction Box Mounting Bracket
Notes	Subjected to Highly Accelerated Life Testing – 3rd party reliability testing. *Cree is a registered trademark of Cree, Inc.

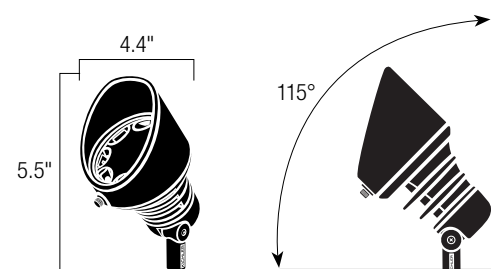
ORDER GUIDE



Kelvin	3000K PURE WHITE	4250K COOL WHITE
Watts/Lumens	Compares to Halogen 75W PAR30	
Beam Spread 10° Spot	16202 AZT30 16202 BBR30	16202 AZT42 16202 BBR42
Beam Spread 35° Flood	16203 AZT30 16203 BBR30	16203 AZT42 16203 BBR42

FINISH GUIDE

AZT – Textured Architectural Bronze
BBR – Bronzed Brass



120V 29W LED ACCENT



Name	120V 29W LED ACCENT
Description	A specification-grade LED fixture collection for both new installations and existing fixture replacement.
Housing	Cast Aluminum, Cast Brass (brass will naturally patina over time)
Finish	Textured Architectural Bronze (marine grade powder coat) Bronzed Brass
Light Source	Integrated LEDs, Driver and Transformer
LEDs	High Output Cree® LEDs tightly binned for color uniformity
Color Temp. (CCT)	3000K (-45/+130) Pure White, 4250K (-250/+250) Cool White
CRI	3000K = 80s, 4250K = High 70s
Optics	Radiax™ Optic
Power Usage	29W, .27A, .90pf
Operating Voltage Range	108-132V AC, 50-60 Hz
Lumen Maintenance	Tested to an L-70 of 40,000 hours
Total Lumens	3,000K = 1,131 4,250K = 1,368
Efficacy	3,000K = 39 Lm/W 4,250K = 47 Lm/W
Wiring	8" of usable 200° C 18AWG wire leads
Mounting Acces. Included	N/A
Optional Mounting Accessories	15276 – Power Post® 15601 – Surface Mounting Flange, for attachment to junction box 15609 – Junction Box Mounting Bracket
Notes	Subjected to Highly Accelerated Life Testing – 3rd party reliability testing. *Cree is a registered trademark of Cree, Inc.

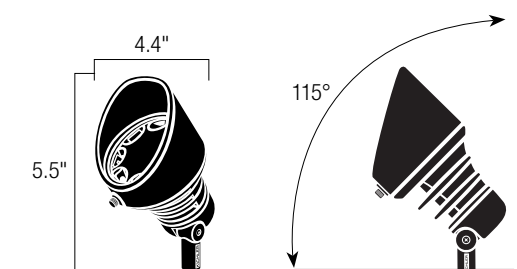
ORDER GUIDE



Kelvin	3000K PURE WHITE	4250K COOL WHITE
Watts/Lumens	Compares to Halogen 100W PAR38	
Beam Spread 10° Spot	16204 AZT30 16204 BBR30	16204 AZT42 16204 BBR42
Beam Spread 35° Flood	16205 AZT30 16205 BBR30	16205 AZT42 16205 BBR42

FINISH GUIDE

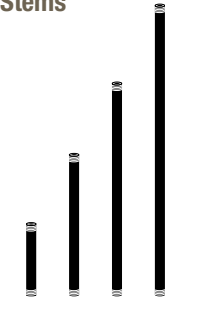


AZT – Textured Architectural Bronze
BBR – Bronzed Brass





120V LED ACCESSORIES

LENS/SHIELD ACCESSORIES	120V LED COMPATIBLE FIXTURE	ITEM NUMBER
LED Amber Lens for a warmer light 	12.5W – 16200, 16201	16065 AMB
	19.5W & 29W – 16202, 16203, 16204, 16205	16066 AMB
LED Green Lens for a cooler light 	12.5W – 16200, 16201	16065 GRN
	19.5W & 29W – 16202, 16203, 16204, 16205	16066 GRN
LED Frosted Lens for a softer/diffused light 	12.5W – 16200, 16201	16065 FRO
	19.5W & 29W – 16202, 16203, 16204, 16205	16066 FRO
Long Cowl  Shown Installed	12.5W – 16200, 16201	16060 AZT 16060 BBR
	19.5W & 29W – 16202, 16203, 16204, 16205	16062 AZT 16062 BBR
360° Cowl  Shown Installed	12.5W – 16200, 16201	16061 AZT 16061 BBR
	19.5W & 29W – 16202, 16203, 16204, 16205	16063 AZT 16063 BBR
MOUNTING ACCESSORIES	120V LED COMPATIBLE FIXTURE	ITEM NUMBER
Surface Mounting Flange  4" D 1/2" NPSM thd.	12.5W – 16200, 16201	15601 AZT 15601 BBR
	19.5W & 29W – 16202, 16203, 16204, 16205	15601 AZT 15601 BBR
Junction Box Mounting Bracket  2.39" W 5.56" H 1/2" NPSM thd.	12.5W – 16200, 16201	15609 AZT
	19.5W & 29W – 16202, 16203, 16204, 16205	15609 AZT
Power Post 1/2" NPSM thd.  19" 4.375" 2.25"	12.5W – 16200, 16201	15276 BK
	19.5W & 29W – 16202, 16203, 16204, 16205	15276 BK

120V LED ACCESSORIES & PHOTOMETRICS

ACCESSORIES	120V LED COMPATIBLE FIXTURE	ITEM NUMBER
Fixture Mounting Stems 	12.5W – 16200, 16201	1/2" NPSM thd. Stems 3/4" Dia. Overall 6" – 15645 AZT 18" – 15657 AZT 15645 BBR * 15657 BBR 15645 BKT 15657 BKT
	19.5W & 29W – 16202, 16203, 16204, 16205	12" – 15656 AZT 24" – 15658 AZT 15656 BBR 15658 BBR 15656 BKT 15658 BKT 1/2" stems will require additional coupler (15649)
Adjustable Height Stems  Extends from 18" to 33" 1/2" NPSM thd.	12.5W – 16200, 16201	15570 AZT 15570 BKT 1/2" stems will require additional coupler (15649)
	19.5W & 29W – 16202, 16203, 16204, 16205	
Stem Coupler  1/2" NPSM thd. 1.5" H	12.5W – 16200, 16201	15649 AZT 15649 BBR 15649 BKT
	19.5W & 29W – 16202, 16203, 16204, 16205	

120V LED PHOTOMETRICS

10° SPOT	Feet	16200		16202		16204	
		Foot Candles	Beam Width	Foot Candles	Beam Width	Foot Candles	Beam Width
	8	238.9	1.4	313.3	1.6	394.5	1.6
	12	106.2	2.1	139.2	2.4	175.3	2.5
	24	26.5	4.1	34.8	4.9	43.8	4.9
	36	11.8	6.2	15.5	7.3	19.5	7.4
	48	6.6	8.3	8.7	9.7	11	9.8
	60	4.2	10.3	5.6	12.1	7	12.3
35° FLOOD	Feet	16201		16203		16205	
		Foot Candles	Beam Width	Foot Candles	Beam Width	Foot Candles	Beam Width
	4	112.6	2.3	153.2	2.5	205.8	2.4
	8	28.1	4.5	38.3	4.9	51.5	4.8
	16	7	9	9.6	9.9	13.2	9.6
	24	3.1	13.6	4.3	14.8	5.9	14.4
	32	1.8	18.1	2.4	19.8	3.3	19.2
	40	1.1	22.6	1.5	24.7	2.1	24

- All Foot Candle values shown for 3000K color temperature.
- For 4250K increase by 20%.



Incandescent 120V & HID

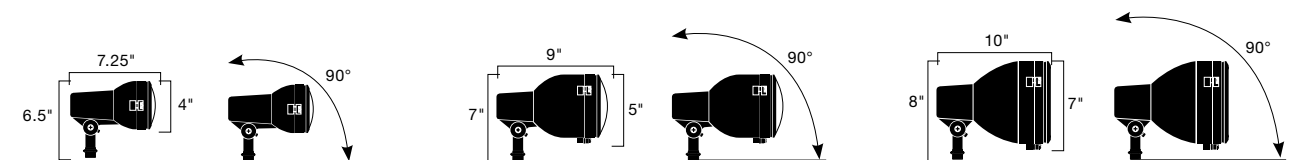
Our powerful commercial-grade fixtures are built to last with durable, cast-aluminum housings and marine-grade powder coat finishes for years of reliable performance. Versatile lamping options and optional accessories give you the flexibility you need to meet a variety of client demands.



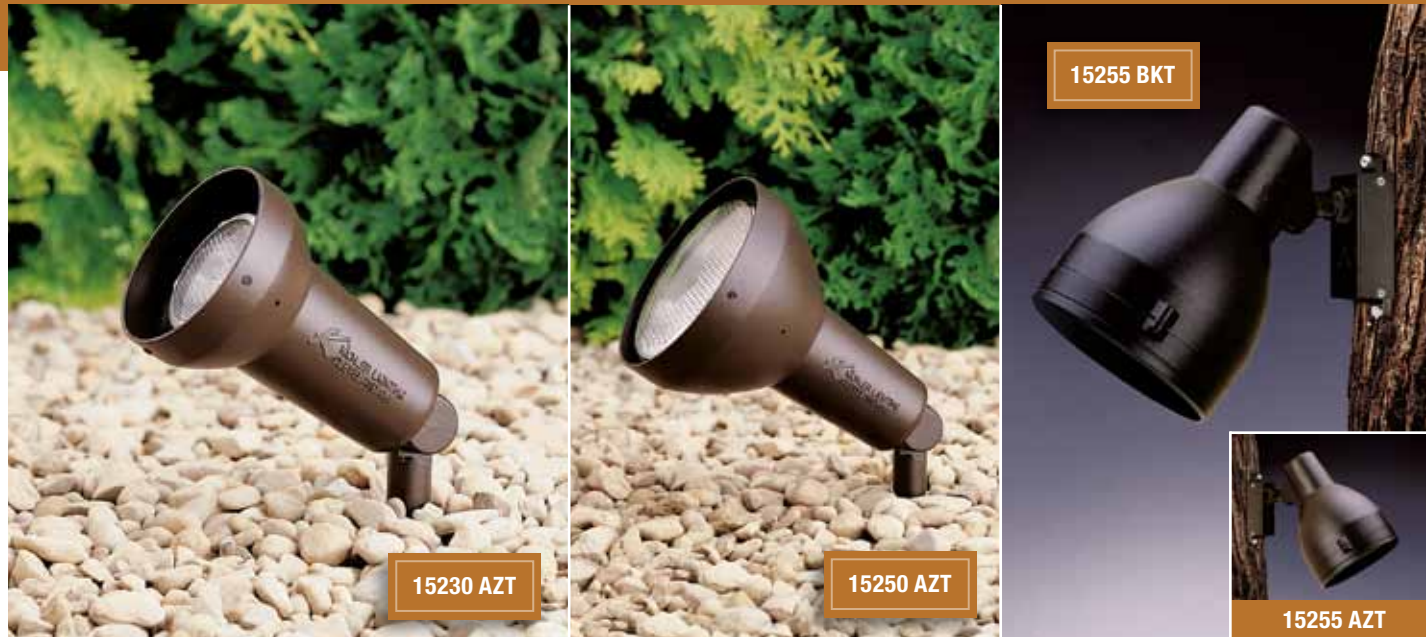
ACCENT – 120 VOLT & HID INCANDESCENT



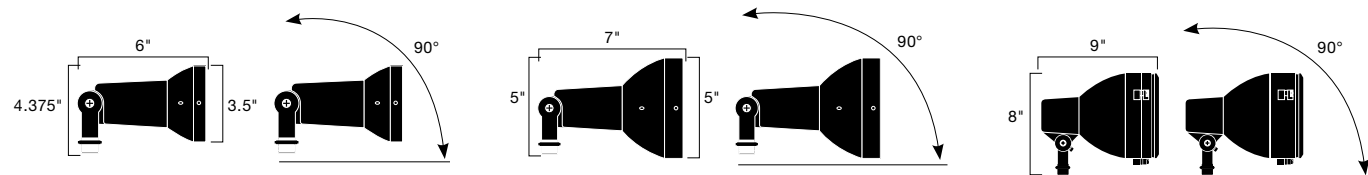
Name	120V ACCENT – SMALL	120V ACCENT – MEDIUM	120V ACCENT – LARGE
	Small (4") accent light for cross-lighting, spotlighting or grazing	Medium-sized (5") accent light for cross-lighting, accenting or grazing	Large (7") accent light for wider light spread along walls, shrubs, trees
Ordering Guide	15231 AZT – Textured Architectural Bronze 15231 BKT – Textured Black	15241 AZT – Textured Architectural Bronze 15241 BKT – Textured Black	15251 AZT – Textured Architectural Bronze 15251 BKT – Textured Black
Housing	Cast Aluminum. Tempered convex glass lens.	Cast Aluminum. Tempered convex glass lens.	Cast Aluminum. Tempered convex glass lens.
Finish	Textured Architectural Bronze (Marine grade powder coat) Textured Black (Marine grade powder coat)	Textured Architectural Bronze (Marine grade powder coat) Textured Black (Marine grade powder coat)	Textured Architectural Bronze (Marine grade powder coat) Textured Black (Marine grade powder coat)
Wiring	8" of usable 200°C 18 AWG wire leads	8" of usable 200°C 18 AWG wire leads	8" of usable 200°C 18 AWG wire leads
Socket	4000V (4KV) pulse rated medium base porcelain socket	4000V (4KV) pulse rated medium base porcelain socket	4000V (4KV) pulse rated medium base porcelain socket
Lamp Type	35-W Max. PAR20 Metal Halide or 50-W Max. PAR20/R20 Incandescent (not included)	70-W Max. PAR30L Metal Halide or 75-W(VA) PAR30L/R30 Incandescent (not supplied)	175-W Max. PAR38 Metal Halide, 100-W Max. E17 Metal Halide or 150-W Max. PAR38/R40 Incandescent (not included) Reflector: for use with E17 lamp. Removable for PAR38/R40 use.
Optional Mounting Accessories	15276 – Power Post® 15601 – Surface Mounting Flange, for attachment to junction box (not included) 15609 – Junction Box Mounting Bracket	15276 – Power Post® 15601 – Surface Mounting Flange, for attachment to junction box (not included) 15609 – Junction Box Mounting Bracket	15276 – Power Post® 15601 – Surface Mounting Flange, for attachment to junction box (not included) 15609 – Junction Box Mounting Bracket
Optional Lens Accessories	15620 – Medium Cowl 15628 – Long Cowl 15623 – Blue Filter 15637 – Hexcell Louver	15640 – Medium Cowl 15648 – Long Cowl 15624 – Blue Filter 15638 – Hexcell Louver	15660 – Medium Cowl 15668 – Long Cowl 15625 – Blue Filter 15639 – Hexcell Louver
Notes	Accents require remote ballasts for High Intensity Discharge. See HID Ballast Guide on page 22 and 120V Lamp Guide on page 26. For Lamp Photometrics see pages 27-30.	Accents require remote ballasts for High Intensity Discharge. See HID Ballast Guide on page 22 and 120V Lamp Guide on page 26. For Lamp Photometrics see pages 27-30.	Accents require remote ballasts for High Intensity Discharge. See HID Ballast Guide on page 22 and 120V Lamp Guide on page 26. For Lamp Photometrics see pages 27-30.



ACCENT –120 VOLT & HID INCANDESCENT



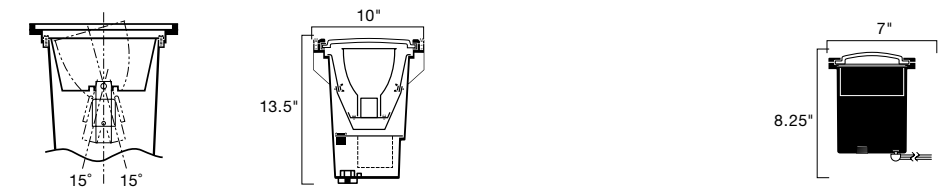
Name	120V ACCENT – SMALL COMPACT Adjustable, compact accent light (3¾" diameter) for up or downlighting	120V ACCENT – LARGE COMPACT Adjustable accent light in a larger size (5" diameter) for up or downlighting	120V DOWNLIGHT Downlight or below horizontal effects with wide light spread. Available as surface or tree-mounted. Designed for below horizontal aiming only.
Ordering Guide	15230 AZT – Textured Architectural Bronze	15250 AZT – Textured Architectural Bronze	15255 AZT – Textured Architectural Bronze 15255 BKT – Textured Black
Housing	Cast Aluminum	Cast Aluminum	Cast Aluminum
Finish	Textured Architectural Bronze (Marine grade powder coat)	Textured Architectural Bronze (Marine grade powder coat)	Textured Architectural Bronze (Marine grade powder coat) Textured Black (Marine grade powder coat)
Wiring	8" of usable 200°C 18 AWG wire leads	8" of usable 200°C 18 AWG wire leads	8" of usable 200°C 18 AWG wire leads
Socket	4000V (4KV) pulse rated medium base porcelain socket	4000V (4KV) pulse rated medium base porcelain socket	4000V (4KV) pulse rated medium base porcelain socket
Lamp Type	35-W Max. PAR20 Metal Halide or 50-W Max. PAR20 Incandescent (not included)	100-W Max. PAR38 Metal Halide or 100-W Max. PAR38 Incandescent (not included)	175-W Max. PAR38 Metal Halide, 100-W Max. E17 Metal Halide or 150-W Max. PAR38/R40 Incandescent (not included) Reflector: for use with E17 lamp. Removable for PAR38/R40 use.
Optional Mounting Accessories	15276 – Power Post® 15601 – Surface Mounting Flange, for attachment to junction box (not included) 15609 – Junction Box Mounting Bracket	15276 – Power Post® 15601 – Surface Mounting Flange, for attachment to junction box (not included) 15609 – Junction Box Mounting Bracket	15601 – Surface Mounting Flange, for attachment to junction box (not included) 15609 – Junction Box Mounting Bracket
Optional Lens Accessories	15630 – Cowl with glass lens	15650 – Cowl with glass lens	15660 – Medium Cowl 15668 – Long Cowl
Notes	Accents require remote ballasts for High Intensity Discharge. See HID Ballast Guide on page 22 and 120V Lamp Guide on page 26. For Lamp Photometrics see pages 27-30.	Accents require remote ballasts for High Intensity Discharge. See HID Ballast Guide on page 22 and 120V Lamp Guide on page 26. For Lamp Photometrics see pages 27-30.	Accents require remote ballasts for High Intensity Discharge. See HID Ballast Guide on page 22 and 120V Lamp Guide on page 26. For Lamp Photometrics see pages 27-30.



IN-GROUND –120 VOLT & HID INCANDESCENT



Name	IN-GROUND INCANDESCENT – PAR38 Incandescent in-ground light. Adjustable to 15° angle. Use with blue filter 15626 to intensify green color in the landscape.	SMALL IN-GROUND – PAR20/PAR30 Smaller 7" diameter in-ground light designed for use with PAR20 and PAR30 lamps.
Ordering Guide	15295 AZ – Architectural Bronze™	15268 AZ – Architectural Bronze™
Housing	Durable thermoplastic composite resin. Tempered convex glass lens fully sealed for watertight outdoor use.	Durable thermoplastic composite resin. Tempered convex glass lens fully sealed for watertight outdoor use.
Finish	Architectural Bronze™	Architectural Bronze™
Wiring	4000V (4KV) pulse rated medium base porcelain socket. Re-enterable encapsulant	Medium base porcelain socket
Lamp Type	150-W Max. PAR38 Incandescent (not included)	75-W Max. PAR20 or PAR30 and PAR30 Longneck Incandescent (not included)
Aiming	With adjustable aim assembly, 15° angle, 358° rotation with wing-nut locking mechanism	With adjustable aim assembly, 25° angle, 358° rotation
Optional Accessories	15608 – Concrete Pour Kit (Drive-over) 15616 WH10 – Gel Encapsulant 10 pack	NA
Optional Lens Accessories	15626 – Blue Filter with gasket 15688 – Rock Guard	15694 – Rock Guard
Notes	Drive over capacity 3,000 lbs.	U.S. Patent No. 5,230,559 Korea Patent No. 126459



IN-GROUND –120 VOLT & HID INCANDESCENT

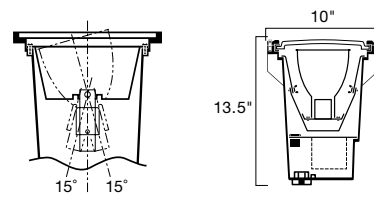
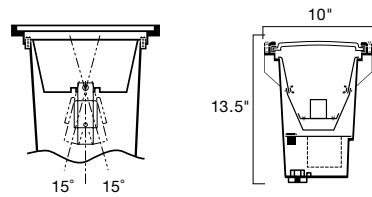


15262 AZ



15263 AZ

Name	IN-GROUND 35-W MH 35-W metal halide in-ground light. Adjustable to 15° angle. Use with blue filter 15626 to intensify green color in the landscape.	IN-GROUND 70-W MH 70-W metal halide in-ground light. Adjustable to 15° angle. Use with blue filter 15626 to intensify green color in the landscape.
Ordering Guide	15262 AZ – Architectural Bronze™	15263 AZ – Architectural Bronze™
Housing	Durable thermoplastic composite resin. Tempered convex glass lens fully sealed for watertight outdoor use.	Durable thermoplastic composite resin. Tempered convex glass lens fully sealed for watertight outdoor use.
Finish	Architectural Bronze™	Architectural Bronze™
Wiring	4000V (4KV) pulse rated medium base porcelain socket	4000V (4KV) pulse rated medium base porcelain socket
Ballast	Internal ANSI M130 Metal Halide ballast included with 120V tap	Internal ANSI M98 Metal Halide ballast with 120V tap
Lamp Type	35-W PAR20 Metal Halide (not included)	70-W PAR30 Metal Halide or 70-W E17 Metal Halide (not included)
Aiming	With adjustable aim assembly, 15° angle, 358° rotation with wing-nut locking mechanism	With adjustable aim assembly, 15° angle, 358° rotation with wing nut locking mechanism
Optional Accessories	15608 – Concrete Pour Kit (Drive-over) 15616 WH10 – Gel Encapsulant 10 pack	15608 – Concrete Pour Kit (Drive-over) 15616 WH10 – Gel Encapsulant 10 pack
Optional Lens Accessories	15626 – Blue Filter with gasket 15688 – Rock Guard	15626 – Blue Filter with gasket 15688 – Rock Guard
Notes	Drive Over Capacity: 3000 lbs.	Drive Over Capacity: 3000 lbs.

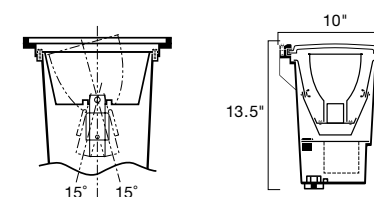


IN-GROUND –120 VOLT & HID INCANDESCENT



15266 AZ

Name	IN-GROUND 70-W MH QUAD-TAP 70-W metal halide in-ground light with quad taps. Adjustable to 15° angle. Use with blue filter 15626 to intensify green color in the landscape.
Ordering Guide	15266 AZ – Architectural Bronze™
Housing	Durable thermoplastic composite resin. Tempered convex glass lens fully sealed for watertight outdoor use.
Finish	Architectural Bronze™
Wiring	4000V (4KV) pulse rated medium base porcelain socket
Ballast	Internal ANSI M98 Metal Halide ballast with 120V, 208V, 240V and 277V taps
Lamp Type	70-W PAR30 Metal Halide or 70-W E17 Metal Halide (not included)
Aiming	With adjustable aim assembly, 15° angle, 358° rotation with wing nut locking mechanism
Optional Accessories	15608 – Concrete Pour Kit (Drive-over) 15616 WH10 – Gel Encapsulant 10 pack
Optional Lens Accessories	15626 – Blue Filter with gasket 15688 – Rock Guard
Notes	Drive Over Capacity: 3000 lbs.



HID BOLLARDS - INCANDESCENT

Kichler® offers a collection of HID bollards employing the same stylish designs, premium quality materials and product flexibility that you've come to expect from Kichler. You'll discover more than ninety possible product combinations to satisfy any construction or specification criteria – and ordering what you need is as simple as 1 – 2 – 3.

STEP 1

Select your head design and finish. Choose from the signature Kichler segmented roof design in a small or large size, or the traditional rounded top. Two finishes are available: Textured Architectural Bronze™ or Textured Black. Head and louvers are commercial-grade Cast Aluminum construction.

Housing. Cast Aluminum

Lens. Molded ribbed diffuser of clear heat resistant borosilicate lenses

Finish. Textured Architectural Bronze (AZT) or Textured Black (BKT)

Wiring. 43" of usable 200°C 18 AWG wire leads

Socket. 4000-Volt (4KV) pulse rated medium base porcelain socket

Lamp Type. 50, 70, or 100-W. Max. E17 Metal Halide

Head Design

15215 AZT, 15215 BKT, 15221 AZT, 15221 BKT, 15226 AZT, 15226 BKT



STEP 2

Determine the bollard size, height and diameter.

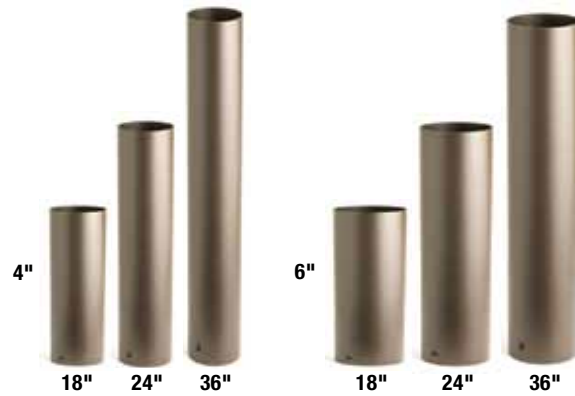
Bollards are available in 4" or 6" size and in lengths of 18", 24" or 36". Bollard kit is supplied with cast aluminum internal mounting plate including lag bolts for deck or surface mounting. Extruded aluminum bollard finished with baked thermoset powder coat. Order separate bollard template kit for installation into concrete or 15578 BK bollard mounting stake for installation in soil. UL listed.

For use with fixtures 15215, 15221, and 15226.

Finish Textured Architectural Bronze (AZT) or Textured Black (BKT)

Bollard Assembly

15603 AZT 4" x 18" **15603 BKT 4" x 18"** **15604 AZT 4" x 24"**,
15604 BKT 4" x 24" **15605 AZT 4" x 36"** **15605 BKT 4" x 36"**
15613 AZT 6" x 18" **15613 BKT 6" x 18"** **15614 AZT 6" x 24"**
15614 BKT 6" x 24" **15615 AZT 6" x 36"** **15615 BKT 6" x 36"**



STEP 3

Determine your desired lamp/ballast combination.

50-W, 70-W and 100-W Metal Halide are offered. (Lamps are not included.) Each comes equipped with ballasts that will accept multiple voltage options: 120V, 208V, 240V or 277V. (Because of heat restrictions, 100-W lamping cannot be used in the 4" diameter bollard.) All mounting hardware is corrosion resistant.

Ballast Assembly

15BLMH50 BK – 50-W Metal Halide (use with 4" and 6" diameter bollard)

15BLMH70 BK – 70-W Metal Halide (use with 4" and 6" diameter bollard)

15BLMH100 BK – 100-W Metal Halide (use only with 6" diameter bollard)

In addition to the lighting fixtures, Kichler offers 4" and 6" Bollard Template Kits used for permanent installation in concrete. The kits include positioning template, anchor bolts and mounting hardware.

15671 ST – 4" Bollard Template Kit

15678 ST – 6" Bollard Template Kit

Or use optional Bollard Stake **15578**. See page 23.

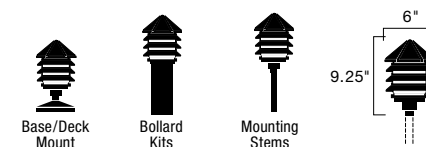


For complete photometrics, please see page 30.

PATH & SPREAD – 120 VOLT & HID INCANDESCENT

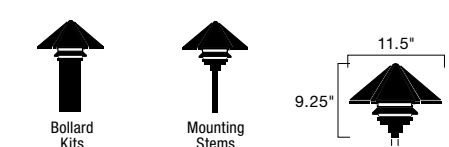


Name	THREE TIER	LARGE ONE TIER
	Versatile, louvered fixture with multiple mounting options for deck or path lighting, on optional post, stem or bollard. Stem or bollard ordered separately	Versatile fixture with wider light distribution for paths and low areas of groundcover. Stem or bollard ordered separately
Ordering Guide	15205 AZT – Textured Architectural Bronze 15205 BKT – Textured Black	15211 AZT – Textured Architectural Bronze 15211 BKT – Textured Black
Housing	Cast Aluminum. Molded ribbed diffuser of clear UV stabilized high impact resistant polycarbonate. Mounting stems and bollard kits sold separately	Cast Aluminum. High impact resistant diffuser. Mounting stems and bollard kits sold separately
Finish	Textured Architectural Bronze or Textured Black	Textured Architectural Bronze or Textured Black
Wiring	30" of usable 105°C 18 AWG wire leads. 120V medium base porcelain socket with nickel plated screw shell.	30" of usable 105°C 18 AWG wire leads. 120V medium base porcelain socket with nickel plated screw shell
Lamp Type	Up to 75-W Max. A19 light bulb (not supplied)	Up to 75-W Max. A19 light bulb (not supplied)
Optional Mounting Accessories	15645, 15656, 15657 or 15658 – Stems 15276 – Power Post® 15665, 15666 or 15667 – Bollard Mounting Kits 15578 – Bollard Mounting Stakes 15671 – Bollard Template Kit 15601 – Surface Mounting Flange (for attachment to junction box, not included) 15602 – Flange Mounting Nipple	15645, 15656, 15657 or 15658 – Stems 15276 – Power Post® 15665, 15666 or 15667 – Bollard Mounting Kits 15578 – Bollard Mounting Stakes 15671 – Bollard Template Kit 15601 – Surface Mounting Flange (for attachment to junction box, not included) 15602 – Flange Mounting Nipple



Footcandles/Distance from Fixture Center
15205 (120V) 75W A19 light bulb

Mounting Hgt.	1'	2'	3'	4'	5'	6'	7'	8'	9'
12"	10.1	7.7	1.7	.82	.48	.21	.11	–	–
18"	4.9	4.7	2.8	1.0	.48	.27	.14	.07	–
24"	3.2	3.5	3.4	1.3	.62	.38	.21	.14	.07



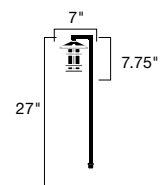
Footcandles/Distance from Fixture Center
15211 (120V) 75W A19 light bulb

Mounting Hgt.	1'	2'	3'	4'	5'	6'	7'	8'	9'
12"	27.1	11.7	2.8	1.2	.89	.34	.18	.07	–
18"	19	9.5	4.6	1.7	.82	.45	.31	.18	.07
24"	14.6	7.8	4.8	2.4	1	.55	.27	.27	.14

PATH & SPREAD –120 VOLT & HID INCANDESCENT

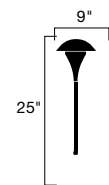


Name	CROSS CREEK LANTERN Arts and crafts style path light adds simplicity to the landscape	ECLIPSE™ Large (9"), 120V version of our popular dome-cap Eclipse design to cast a wider light spread on a wide path or patio	TRADITIONAL MARINE LANTERN Traditional marine lantern design for well-shielded illumination
Ordering Guide	15232 AGZ – Aged Bronze	15236 BKT – Textured Black 15236 TZT – Textured Tannery Bronze™	15239 OB – Olde Brick® 15239 OZ – Olde Bronze®
Housing	Aluminum with textured linen seeded glass side panels and clear glass bottom panel	Cast Aluminum with clear glass	Brass
Finish	Aged Bronze	Textured Black or Textured Tannery Bronze™	Olde Brick® or Olde Bronze®
Wiring	6" Min. of usable 105°C, 18 AWG wire leads. 120V medium base porcelain socket	6" of usable 105°C, 18 AWG wire leads. 120V medium base porcelain socket with a nickel plated screw shell	6" of usable 105°C 18 AWG wire leads. 120V medium base porcelain socket with nickel plated screw shell
Lamp Type	Up to 25-W Max. A19 light bulb (not supplied)	Up to A19 light bulb 100-W Max. (not supplied)	Up to G-40 light bulb 100-W Max. (not included)
Optional Accessories	15276 – Power Post® 15601 – Surface Mounting Flange (for attachment to junction box, not included)	15276 – Power Post® 15601 – Surface Mounting Flange (for attachment to junction box, not included)	15276 – Power Post® 15601 – Surface Mounting Flange (for attachment to junction box, not included)
Notes	U.S. Patent No. D580,084	U.S. Patent No. D580,084	U.S. Patent No. D580,084



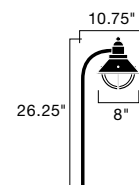
Footcandles/Distance from Fixture Center
15232 (120V) 25W A19 light bulb

Dist. from Lgt	1'	2'	3'	4'	5'	6'	7'	8'	9'
Footcandles	2.8	1.9	.4	.1	-	-	-	-	-



Footcandles/Distance from Fixture Center
15236 (120V) 100W A19 light bulb

Dist. from Lgt	1'	2'	3'	4'	5'	6'	7'	8'	9'
Footcandles	30.8	11.5	3.9	1.5	.70	.30	1	-	-



Footcandles/Distance from Fixture Center
15239 (120V) 100W G-40 light bulb

Dist. from Lgt	1'	2'	3'	4'	5'	6'	7'	8'	9'
Footcandles	76	31	10.2	3.6	1.6	.7	3	.2	.1







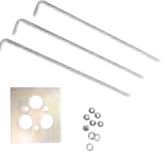


Money Saving Solutions!
Watch the Video on
Design Pro LED in action.


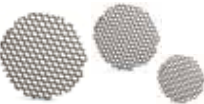












Name	HID ABOVE-GROUND BALLAST				HID IN-GROUND BALLAST			
Ordering Guide	Product ID	Description	Tap	ANSI#	Product ID	Description	Tap	ANSI#
	15MHS35 AZT	Single 35-W MH	120V	M130	15IGMHS35 AZ	Single 35-W MH	120V	M130
	15MHS70 AZT	Single 70-W MH	120V	M98	15IGMHS70 AZ	Single 70-W MH	120V	M98
	15MHS100 AZT	Single 100-W MH	120V	M90	15IGMHS100 AZ	Single 100-W MH	120V	M90
	15MHS175 AZT	Single 175-W MH	120V	M57	15IGMHS175 AZ	Single 175-W MH	120V	M57
	15MHT35 AZT	Twin 35-W MH	120V	M130				
	15MHT70 AZT	Twin 70-W MH	120V	M98				
	15MHT100 AZT	Twin 100-W MH	120V	M90				
	15MHT175 AZT	Twin 175-W MH	120V	M57**				
	** Complies with EISA 2007							
Housing	Stamped steel. Textured Architectural Bronze thermoset powder coat finish. Top and bottom mounting brackets. 1/2" and 3/4" trade size combination knockouts for conduit entry. Stainless steel mounting screws and anchors included.				Single piece Polyphenylene Sulphide (PPS) glass reinforced composite with molded in ribs to prevent ground shift. Two 3/4" NPT entries for conduit attachment. With 1/2" NPSM removable plug for both direct fixture mount and remote mount application. Two threaded 3/4" NPT entries for conduit attachment. Re-enterable encapsulant 3M 8882 potting compound included. One piece, molded silicone "O" Ring. Stainless steel captive and gasketed screws.			
Ballast	Copper wrapped core and coil with High Power Factor (HPF) 105° C High Heat capacitor and long range ignitor. Rated for -20° F starting. Available with single 120V tap.				Quick disconnect ballast with bracket handle. Available with single 120V tap.			
Dimensions	Single 120V: 6.375" W x 9.5" L x 5.25" D Twin 120V: 6.375" W x 9.5" L x 5.25" D				9.625" Dia. X 12" Hgt.			
Notes	Above ground ballasts carry a UL listing mark suitable for the US and Canadian marketplace. Maximum distance from lamp to ballast cannot exceed 15' on single (120V) models. Some lamp brands may perform better.				In-ground ballasts carry a CSA listing mark suitable for the US and Canadian marketplace Maximum distance from lamp to ballast cannot exceed 15 feet. Some lamp brands may perform better.			

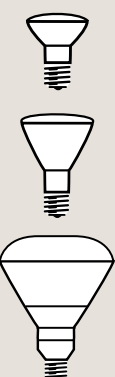
MOUNTING ACCESSORIES

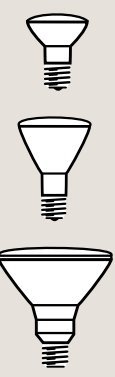
<p>Fixture Mounting Stems</p> <p>1/2" NPSM thd. stems 3/4" dia. overall</p>	<p>6" 15645 AZT 15645 BBR 15645 BKT</p> <p>12" 15656 AZT 15656 BBR 15656 BKT</p>	<p>18" 15657 AZT 15657 BBR 15657 BKT</p> <p>24" 15658 AZT 15658 BBR 15658 BKT</p>	<p>All stems made of corrosion resistant aluminum alloy (except BBR, which is Bronzed Cast Brass) with baked thermoset powder coating to match fixtures. Used with:</p> <ul style="list-style-type: none"> • In-ground support stakes (low voltage only) • Surface mounting flange (low or line voltage) <p>1/2" stems will require additional Coupler (15649) or Elbow (15647) for accent light use</p>
<p>Power Post®</p> <p>4.375" 19" 2.25"</p>	<p>15276 BK</p>		<p>Fast, one-step connection. 2 1/4" inside diameter accepts conduit of different sizes. Made of impact and corrosion resistant PVC, suitable for wet locations. No unsightly junction boxes or time-taking assembly. Just a trouble-free installation.</p> <p>Designed for line voltage (120V) landscape lighting. Eliminates need for above or below ground boxes. Built-in stabilizer removes need for concrete.</p> <p>Accepts 1/2 NPSM thread.</p> <p>UL and cUL listed</p>
<p>Bollard Mounting Stake</p> <p>23" H</p>	<p>15578 BK</p>		<p>For use with all bollard mounting kits on 12V and 120V fixtures*</p> <p>Improved extruded PVC stake is corrosion resistant and 23" length has increased support and stability. Fitting provided to mount bollard in soil.</p> <p>*As allowed by local electrical codes</p>
<p>Bollard Mounting Kit</p> <p>4.0625" ID 4.25" OD</p>	<p>8" 15665 AZT 15665 BKT</p> <p>24" 15666 AZT 15666 BKT</p> <p>36" 15667 AZT 15667 BKT</p>		<p>For use with fixtures 15205, 15211</p> <p>Bollard kit is supplied with Cast Aluminum internal mounting plate including lag bolts for deck or surface mounting. Extruded aluminum bollard finished with baked thermoset powder coat. Order separate bollard template kit for installation into concrete or bollard mounting stake for installation in soil. UL listed.</p>
<p>HID Bollard Mounting Kit</p> <p>4" 18" 24" 36" 6" 18" 24" 36"</p>	<p>15603 AZT 4" x 18" 15603 BKT 4" x 18" 15604 AZT 4" x 24" 15604 BKT 4" x 24" 15605 AZT 4" x 36" 15605 BKT 4" x 36"</p> <p>15613 AZT 6" x 18" 15613 BKT 6" x 18" 15614 AZT 6" x 24" 15614 BKT 6" x 24" 15615 AZT 6" x 36" 15615 BKT 6" x 36"</p>		<p>For use with fixtures 15215, 15221, 15226</p>
<p>Surface Mounting Flange</p> <p>4" D 1/2" NPSM thd</p>	<p>15601 AZT 15601 BBR 15601 BKT</p>		<p>On 120V installations, Cast Aluminum surface flange must be used with junction box (not included). Neoprene gasket supplied to ensure water tight seal. BBR is Bronzed Cast Brass</p>

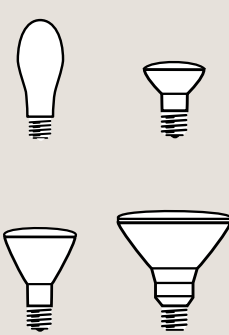
MOUNTING ACCESSORIES		
Elbow  1.18" W 2.09" H 1.35" L 1/2" NPSM thd.	15647 AZT 15647 BBR 15647 BKT	When combined with a stem, this accessory creates a 90° angle to offer more ways to utilize our accent fixtures as a path, area or down light. Cast Aluminum or Cast Brass housing. Textured Architectural Bronze, Bronzed Brass or Textured Black finish. Stabilizer set screw included.
Stem Coupler  1/2" NPSM thd. 1.5" H	15649 AZT 15649 BBR 15649 BKT	Aluminum (except BBR, which is Cast Brass) coupler. For use with 1/2" NPSM stems.
Flange Mounting Nipple  1" x 1/2" NPSM thd.	15602 AL	Anodized aluminum nipple. Used when attaching fixture directly to 15601 flange and 15607 bracket.
Junction Box Mounting Bracket  2.39" W 5.56" H 1/2" NPSM thd.	15609 AZT 15609 BKT	For use with low voltage and line voltage fixtures Corrosion resistant Cast Aluminum alloy with baked thermoset powder coat finish
Bollard Template Kit 	15671 ST	For use with all bollard mounting kits For permanent installation into concrete. Template kit includes positioning template, anchor bolts, and mounting hardware.
Gel Encapsulant 	15616 WH10 10 pack	Gel re-enterable encapsulant for in-ground installations. Two-part field mixable material in one convenient package.
PAR38 Well Light Concrete Pour Kit  7" D 5.19" H	15608 AZ for use with 15262, 15263, 15266, 15295	Injection molded concrete pour kit. Walk and drive over.

LENS/SHIELD ACCESSORIES		
Blue Lens Filter 	15623 BL Small blue lens for use with 15231 15624 BL Medium blue lens for use with 15241 15625 BL Large blue lens for use with 15251, 15255	Blue glass filters act as color enhancers to bring out the true rich greens of foliage. Glass is tempered to resist heat and impact.
45° Hexcell Louver 	15637 BK Small Hexcell for use with 15231 15638 BK Medium Hexcell for use with 15241 15639 BK Large Hexcell for use with 15251, 15255	Expanded aluminum shield with high temperature black finish.
Well Light Blue Lens Filter 	15626 BL Well light blue lens for use with 15262, 15263, 15266, 15295	Blue glass filter with rubber gasket. Glass is tempered to resist heat and impact.

LENS/SHIELD ACCESSORIES		
Well Light Rock Guard 	15688 AZ	Rock Guard/Glare Shield for use with 15263 AZ, 15264 AZ, 15265 AZ and 15295 AZ
PAR20 Medium Cowl  3.32" L	15620 AZT 15620 BKT	PAR20/R20 Medium Cowl accessory for 15231 AZT, 15231 BKT, Aluminum does not include lens. Lens cowl sold with fixture. 360° rotation for precise light cutoff.
PAR20 Long Cowl  7.45" L	15628 AZT 15628 BKT	PAR20/R20 Long Cowl accessory for 15231 AZT, 15231 BKT
PAR30 Medium Cowl  3.87" L	15640 AZT 15640 BKT	PAR30/R30 Medium Cowl accessory for 15241 AZT, 15241 BKT
PAR30 Long Cowl  8.99" L	15648 AZT 15648 BKT	PAR30/R30 Long Cowl accessory for 15241 AZT, 15241 BKT
PAR38 Medium Cowl  4.92" L	15660 AZT 15660 BKT	PAR38/R40 Medium Cowl accessory for 15251 AZT, 15251 BKT, 15255A AZT, 15255 BKT
PAR38 Long Cowl  12" L	15668 AZT 15668 BKT	PAR38/R40 Long Cowl accessory for 15251 AZT, 15251 BKT, 15255 AZT, 15255 BKT
PAR20 Cowl  3.58" L	15630 AZT	A PAR20 Cowl with heat-resistant clear lens accessory for 15230 AZT
PAR38 Cowl  3.58" L	15650 AZT	A PAR38 Cowl with heat-resistant clear lens accessory for 15250 AZT

INCANDESCENT		WATTS	BEAM SPREAD	BASE	LUMENS	AVG. LIFE (hrs)
	30R20-SP	30	Spot	Medium	300	2,000
	30R20-FL	30	Flood	Medium	300	2,000
	50R20-SP	50	Spot	Medium	550	2,000
	50R20-FL	50	Flood	Medium	550	2,000
	75R30-SP	75	Spot	Medium	770	2,000
	75R30-FL	75	Flood	Medium	770	2,000
	65R40-SP	65	Spot	Medium	500	2,000
	65R40-FL	65	Flood	Medium	500	2,000
	85R40-SP	85	Spot	Medium	700	2,000
	85R40-FL	85	Flood	Medium	700	2,000
	120R40-SP	120	Spot	Medium	1,000	2,000
	120R40-FL	120	Flood	Medium	1,000	2,000

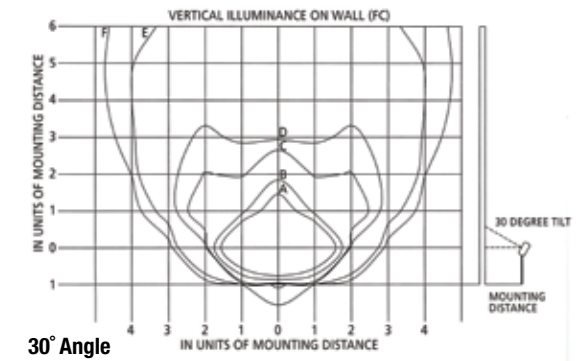
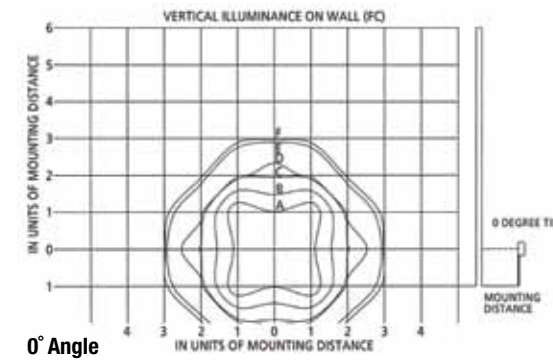
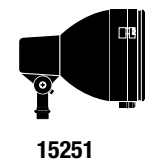
HALOGEN		WATTS	BEAM SPREAD	BASE	LUMENS	AVG. LIFE (hrs)
	35PAR20-SP	35	9°	Medium	350	2,000
	35PAR20-FL	35	30°	Medium	350	2,000
	50PAR20-SP	50	9°	Medium	550	2,000
	50PAR20-FL	50	30°	Medium	550	2,000
	50PAR30L-SP	50	10°	Medium	630	2,000
	50PAR30L-FL	50	30°	Medium	630	2,000
	75PAR30L-SP	75	10°	Medium	965	2,000
	75PAR30L-FL	75	30°	Medium	965	2,000
	90PAR38-SP	90	12°	Medium	1,280	2,500
	90PAR38-FL	90	28°	Medium	1,280	2,500
	150PAR38-SP	150	12°	Medium	2,200	2,500
	150PAR38-FL	150	28°	Medium	2,200	2,500

METAL HALIDE		WATTS	BEAM SPREAD	BASE	LUMENS	AVG. LIFE (hrs)
	70-ED17	70	–	Medium	4,000	10,000
	100-ED17	100	–	Medium	5,850	10,000
	35PAR20-SP	35	10°	Medium	2,000	9,000
	35PAR20-FL	35	30°	Medium	2,000	9,000
	35PAR30L-SP	35	10°	Medium	2,200	9,000
	35PAR30L-FL	35	30°	Medium	2,200	9,000
	70PAR30L-SP	70	10°	Medium	4,850	9,000
	70PAR30L-FL	70	40°	Medium	4,850	9,000
	70PAR38-SP	70	15°	Medium	4,800	10,000
	70PAR38-FL	70	25°	Medium	4,800	10,000
	100PAR38-SP	100	15°	Medium	6,800	12,500
	100PAR38-FL	100	25°	Medium	6,800	12,500
	175PAR38-FL	175	65°	Medium	10,000	7,500

Code: **VNSP** – Very narrow spot
NSP – Narrow spot
SP – Spot
NFL – Narrow flood
FL – Flood
WFL – Wide flood
VWFL – Very wide flood
MEDIUM – Medium screwshell

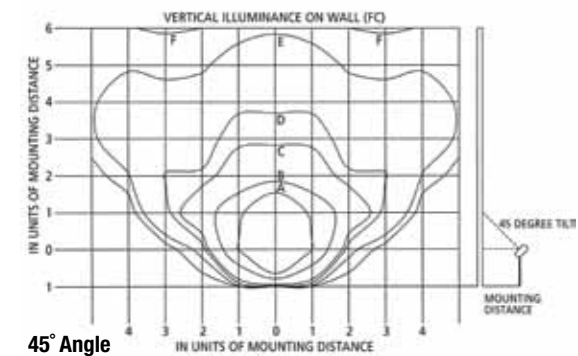
Note: Lumens and lamp life may vary by manufacturer. Stated lumens are of bare lamp.

70-W Metal Halide PAR38 (15251)
 Clear ED17 Metal Halide based
 on 5600 lumens per lamp

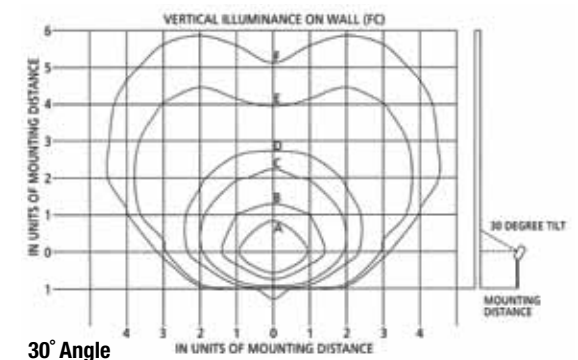
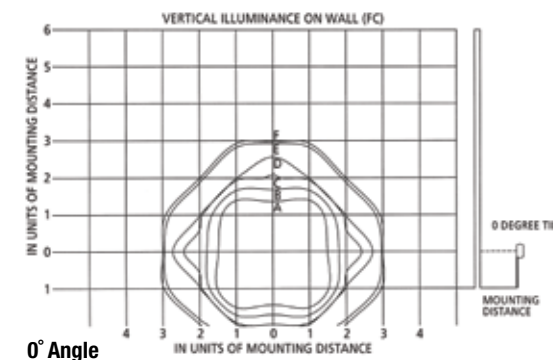
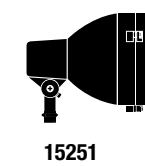


Vertical Illuminance (FC)

MD (FT)	A	B	C	D	E	F
3	13.89	8.33	2.78	1.39	0.28	0.14
4	7.81	4.69	1.56	0.78	0.16	0.08
5	5.00	3.00	1.00	0.50	0.10	0.05
6	3.47	2.08	0.69	0.35	0.07	0.03
7	2.55	1.53	0.51	0.26	0.05	0.03
8	1.95	1.17	0.39	0.20	0.04	0.02
9	1.54	0.93	0.31	0.15	0.03	0.02
10	1.25	0.75	0.25	0.13	0.03	0.01

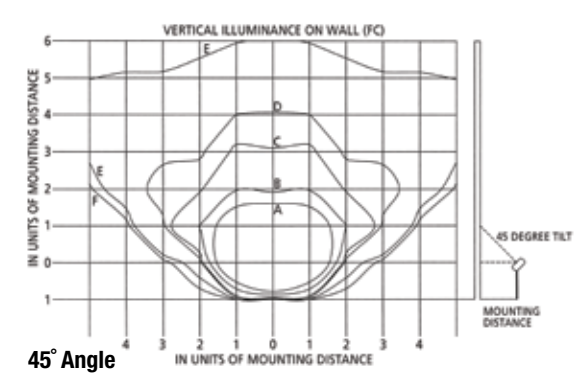


100-W Metal Halide PAR38
 (15251) Clear ED17 Metal
 Halide based on 9000
 lumens per lamp

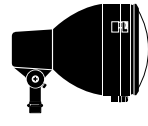


Vertical Illuminance (FC)

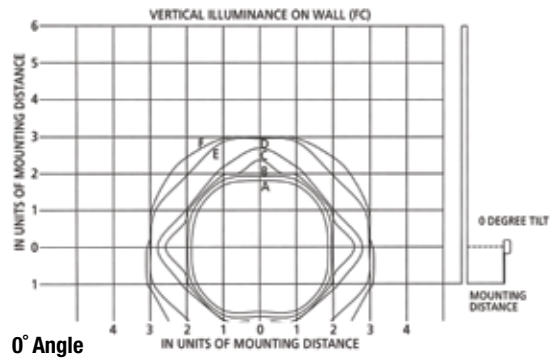
MD (FT)	A	B	C	D	E	F
3	13.89	8.33	2.78	1.39	0.28	0.14
4	7.81	4.69	1.56	0.78	0.16	0.08
5	5.00	3.00	1.00	0.50	0.10	0.05
6	3.47	2.08	0.69	0.35	0.07	0.03
7	2.55	1.53	0.51	0.26	0.05	0.03
8	1.95	1.17	0.39	0.20	0.04	0.02
9	1.54	0.93	0.31	0.15	0.03	0.02
10	1.25	0.75	0.25	0.13	0.03	0.01



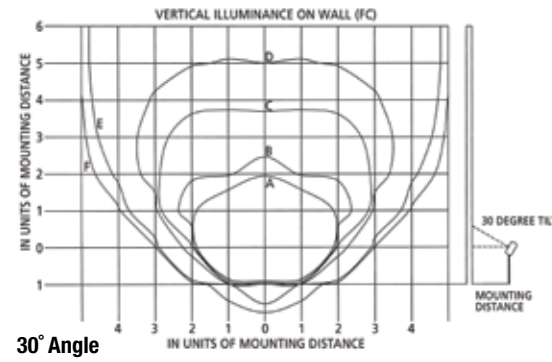
175-W Metal Halide PAR38
(15251) Clear ED17 Metal
Halide based on 14000
lumens per lamp



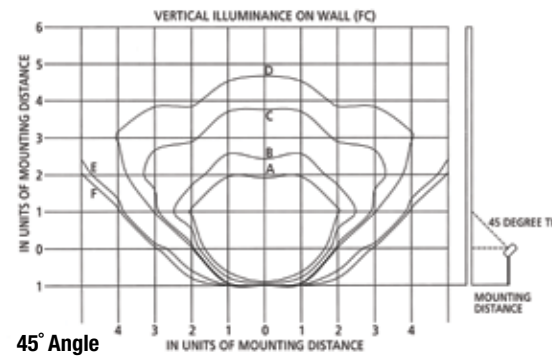
15251



0° Angle



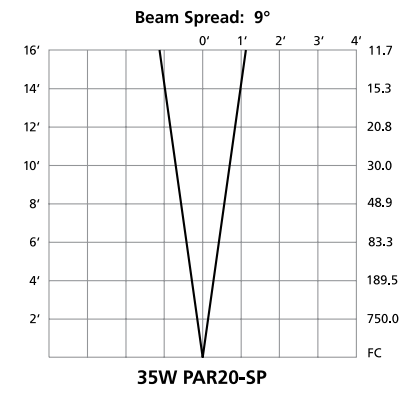
30° Angle



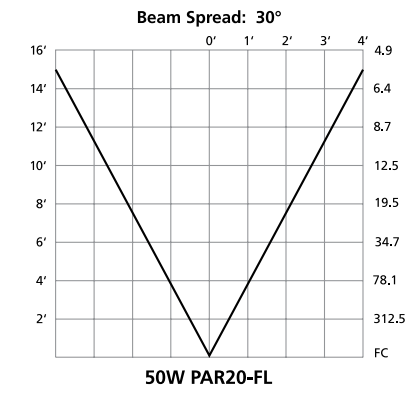
45° Angle

Vertical Illuminance (FC)

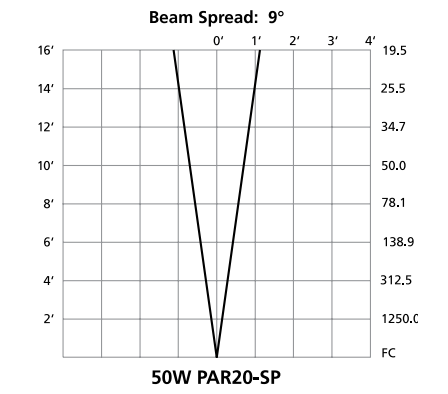
MD (FT)	A	B	C	D	E	F
3	13.89	8.33	2.78	1.39	0.28	0.14
4	7.81	4.69	1.56	0.78	0.16	0.08
5	5.00	3.00	1.00	0.50	0.10	0.05
6	3.47	2.08	0.69	0.35	0.07	0.03
7	2.55	1.53	0.51	0.26	0.05	0.03
8	1.95	1.17	0.39	0.20	0.04	0.02
9	1.54	0.93	0.31	0.15	0.03	0.02
10	1.25	0.75	0.25	0.13	0.03	0.01



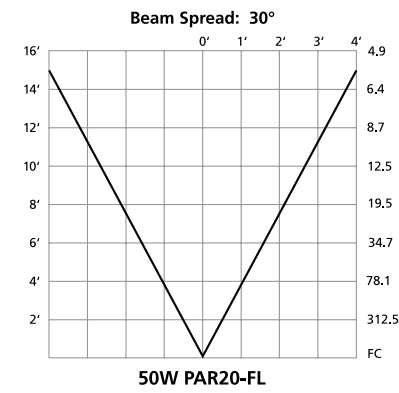
35W PAR20-SP



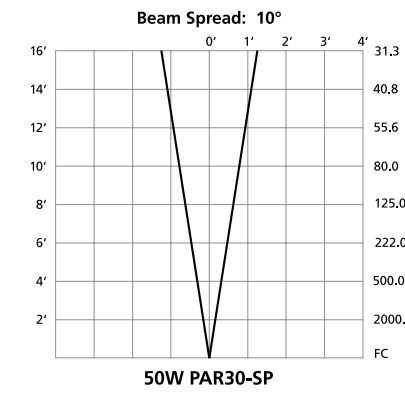
50W PAR20-FL



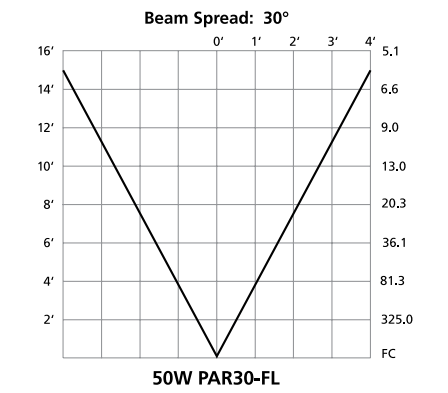
50W PAR20-SP



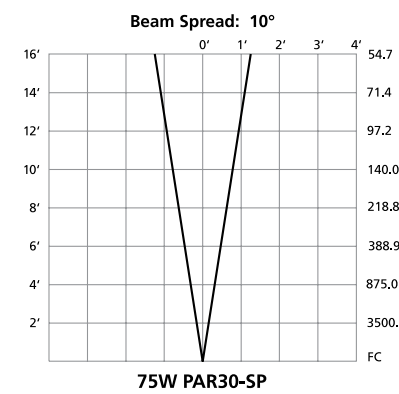
50W PAR20-FL



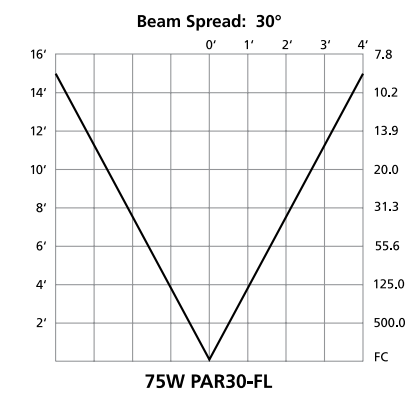
50W PAR30-SP



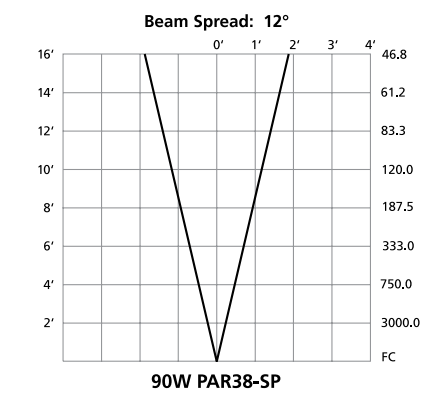
50W PAR30-FL



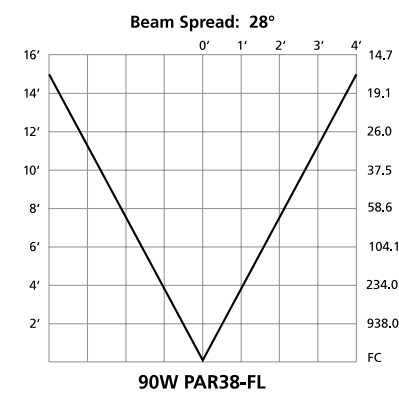
75W PAR30-SP



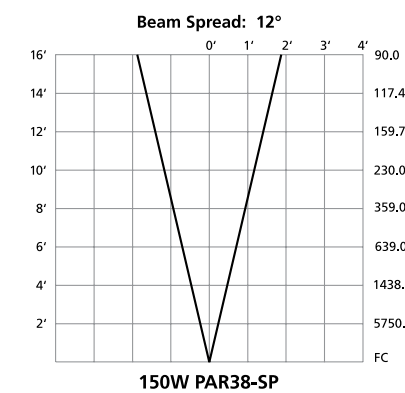
75W PAR30-FL



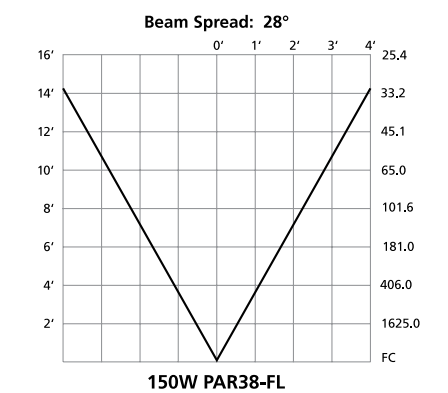
90W PAR38-SP



90W PAR38-FL



150W PAR38-SP



150W PAR38-FL

Note: Footcandle (FC) values may differ among lamp manufacturers.



15215AZT & BKT - 50-W Metal Halide
Footcandles/Distance from Fixture Center

Bollard Hgt	1'0"	2'0"	3'0"	4'0"	5'0"	6'0"
18"	10.4	19.6	10.9	5.7	3.2	1.8
24"	6.1	12.4	11.3	6.3	3.8	2.5
36"	3.4	5.7	7.2	6.4	4.7	3.3

15215AZT & BKT - 70-W Metal Halide
Footcandles/Distance from Fixture Center

Bollard Hgt	1'0"	2'0"	3'0"	4'0"	5'0"	6'0"
18"	15.8	26.6	15.5	8.9	5.5	3.3
24"	8.4	16.4	17.2	8.8	5.9	4.2
36"	4.8	8.5	9.8	9.7	7.0	4.6

15215AZT & BKT - 100-W Metal Halide
Footcandles/Distance from Fixture Center

Bollard Hgt	1'0"	2'0"	3'0"	4'0"	5'0"	6'0"
18"	21.3	48.1	23.8	11.9	6.1	3.6
24"	12.4	29.0	24.8	13.4	8.1	4.7
36"	6.9	11.3	14.6	13.2	8.5	6.1

15221AZT & BKT - 50-W Metal Halide
Footcandles/Distance from Fixture Center

Bollard Hgt	1'0"	2'0"	3'0"	4'0"	5'0"	6'0"
18"	15.3	20.8	11.1	5.1	2.7	1.4
24"	9.5	13.6	11.7	5.9	3.5	2.3
36"	5.4	6.9	7.6	6.5	4.5	2.9

15221AZT & BKT - 70-W Metal Halide
Footcandles/Distance from Fixture Center

Bollard Hgt	1'0"	2'0"	3'0"	4'0"	5'0"	6'0"
18"	24.5	29.9	16.5	8.2	5.0	2.7
24"	14.5	19.8	19.2	8.8	5.7	4.0
36"	8.3	10.8	11.1	10.3	6.9	4.5

15221AZT & BKT - 100-W Metal Halide
Footcandles/Distance from Fixture Center

Bollard Hgt	1'0"	2'0"	3'0"	4'0"	5'0"	6'0"
18"	33.9	46.7	21.4	9.9	4.8	2.2
24"	20.9	28.4	25.5	12.3	6.7	4.2
36"	12.4	14.3	15.4	14.2	9.7	6.2

15226AZT & BKT - 50-W Metal Halide
Footcandles/Distance from Fixture Center

Bollard Hgt	1'0"	2'0"	3'0"	4'0"	5'0"	6'0"
18"	8.7	17.9	10.5	5.4	3.1	2.1
24"	5.3	11.6	10.5	5.9	3.6	2.5
36"	3.1	5.2	6.5	6.1	4.4	3.1

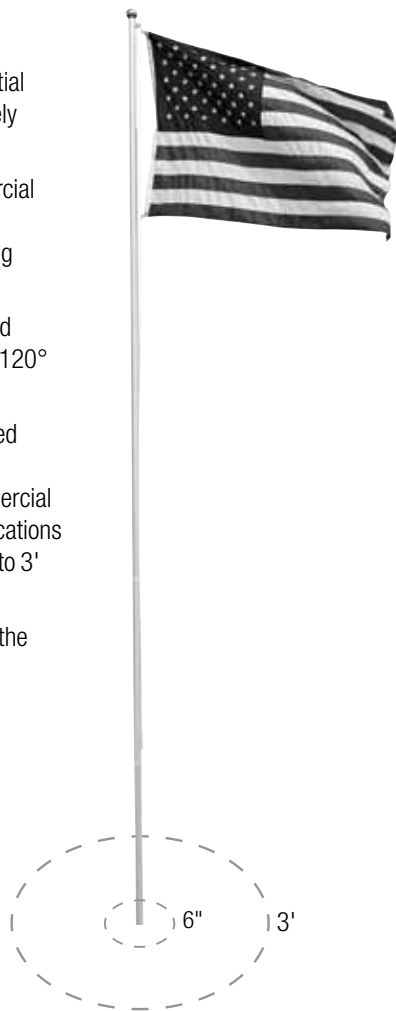
15226AZT & BKT - 70-W Metal Halide
Footcandles/Distance from Fixture Center

Bollard Hgt	1'0"	2'0"	3'0"	4'0"	5'0"	6'0"
18"	14.3	26.7	15.2	8.9	5.4	2.9
24"	8.3	16.3	8.9	8.8	6.0	4.0
36"	4.8	8.1	9.5	9.5	6.7	4.6

15226AZT & BKT - 100-W Metal Halide
Footcandles/Distance from Fixture Center

Bollard Hgt	1'0"	2'0"	3'0"	4'0"	5'0"	6'0"
18"	18.5	38.3	20.4	10.5	5.6	3.6
24"	10.5	23.6	22.0	12.4	7.5	4.5
36"	6.3	10.6	14.2	12.6	9.0	6.4

- Flag poles used in a residential yard can usually be effectively lit with two fixtures.
- Poles positioned on commercial or large residential lots will typically require three lighting fixtures.
- The fixtures should be placed 180° apart if using two and 120° apart if using three.
- The fixtures should be located 6" to 3' from the flag pole in small residential or commercial applications. For large applications fixtures should be from 12" to 3' from the base of the pole.
- Aim the fixture at the ball at the top of the flagpole.



Installation 6" to 3' from base of flagpole

Please use the chart below to determine the recommended quantity of fixtures, lamp wattage and lamp type.

Pole Height	Typical Flag Size	Quantity of Fixtures	Lamp Wattage or Lumen Equivalent	Lamp Beam Spread
12' to 20'	3' x 5'	2	20-W	NSP 10° to 15°
25'	4' x 6'	2	35-W	NSP 10° to 15°
30'	5' x 8'	2 or 3	35-W	NSP 10° to 15°
35'	6' x 10'	3	35-W	NSP 10° to 15°
Taller than 35'	10' +	3	50-W	NSP 10° to 15°

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LEGEND

- Wattages stated are the maximum recommended, however, you may use lower wattage bulbs to suit your lighting needs.
- All electrical products are rated as 120-Volt AC unless otherwise noted.
- All electrical products are cUL, UL, CSA, ETL or cETL listed.
- Finishes for fixtures installed outdoors are subject to change due to prolonged exposure to sunlight, airborne pollutants and other forms of weathering.
- To serve you better, Kichler Lighting reserves the right to make improvements to the products in this catalog. Therefore, some products may change during the life of the catalog and the product information contained in this catalog may also have changed.

WARRANTY

For warranty information, go to landscapelighting.com

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