Adapt Optic

Lighting that adapts
as projects evolve.

Designed to Adapt.

The outdoor architectural and landscape environment is never static.

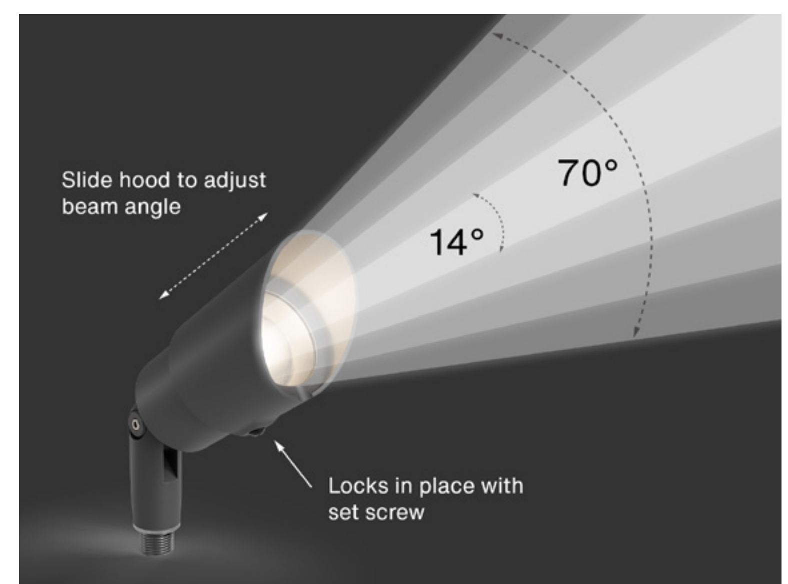
Fixture placement, sightlines, and planting conditions often only become clear once on site. Trees and plantings mature. Buildings are renovated, and gathering spaces evolve to serve new needs.

HK Lighting's Adapt Optic technology combines continuously adjustable beam angles with precision optics to refine the lighting in the field and preserve the original design intent. Minimal field light keeps illumination exactly where it is intended, allowing darkness to create contrast, reveal depth, and define the nighttime experience.

One Optical System. Multiple Beam Angles.

Spotlight 14° . . . . Wide Flood 70°

The Adapt Optic continuously adjusts from a narrow spotlight to a broad flood without changing lenses or optical components. Precision optics maintain consistent beam quality throughout the entire adjustment range.



Continuously Adjustable Beam Control

- Continuous beam adjustment from 14° to 70°
- No lens changes or optical replacements required
- Locking set screw maintains selected beam setting and fixture watertightness when fully seated
- Precision optics preserve beam quality throughout the adjustment range
- Less than 1% field light minimizes unwanted illumination and glare

Precision Extends Beyond the Beam

A precise beam is defined as much by what it does not illuminate as what it does. That darkness is not empty space. It creates contrast, reveals visual depth, and allows the eye to focus on what is intentionally illuminated. Less important features naturally recede from view. The result is a nighttime environment where light directs attention without competing for it.

HK Adapt Optic maintains **less than 1% field light**, keeping illumination focused on the intended subject while preserving the surrounding darkness.

The Art of Light Includes Darkness

Optical precision controls both the light you see and the light you never notice. A small amount of uncontrolled light can become the brightest element in the viewer's peripheral vision, competing with the very subject the designer intended to emphasize.

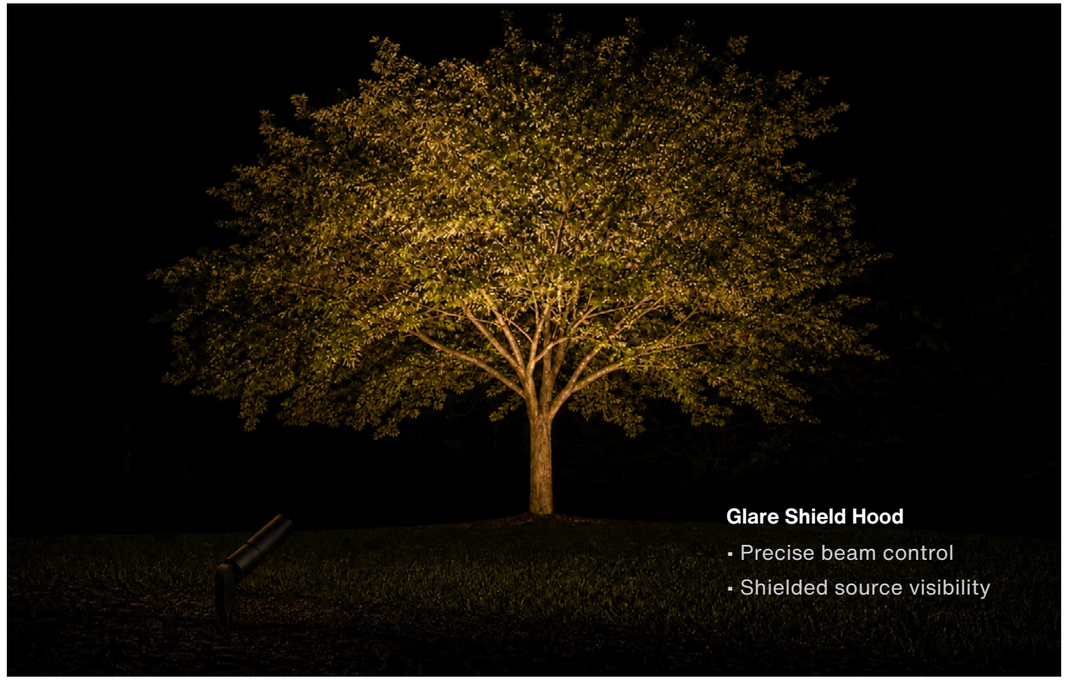
Precision is achieved by removing unnecessary light

Glare Control Begins with the Optic

Flush Lens Hood
Precise beam control with a sleek fixture profile.

Glare Shield Hood
Additional shielding from direct source visibility.

HK Adapt Optic directs light precisely to the intended subject, minimizing unwanted illumination and preserving contrast. Glare shields provide additional control of direct fixture visibility, but the optic defines the shape and quality of the beam.



One Technology. Multiple Solutions.

High-contrast lighting design

Retrofit and renovation

Architecturally precise spaces

Seasonal landscape changes

Landscapes that mature

Multi-function gathering spaces

Explore HK products featuring Adapt Optic technology.

ZXA11

Medium trees • Architectural details • Columns

14° to 63°

1.65" dia.

Up to 7 W (560 lm)

ZXA16 / ZXA16 CP

Medium to large trees • Building façades • General accent lighting

14° to 70°

2.25" dia.

Up to 10 W (950 lm)

ZXA16-I

Medium to large trees ▪ Building façades ▪ Line voltage applications

14° to 70°

2.25" dia.

Up to 10 W (950 lm)

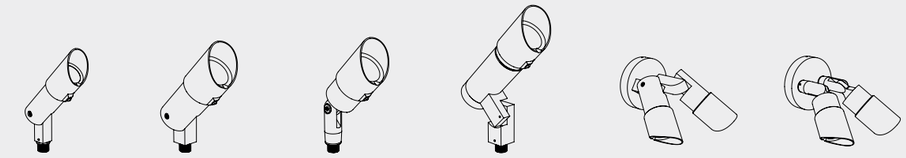
ZAA16 / ZAA16 CP

Architectural area lighting ▪ Security ▪ Commercial sites

14° to 70°

2.25" dia.

Up to 10 W (950 lm)[1]



	ZXA11	ZXA16	ZXA16 Center Pivot	ZXA16-I	ZAA16	ZAA16 Center Pivot
Category	Accent	Accent	Accent	Accent	Area & Security	Area & Security
Style	Modern Side Pivot	Modern Side Pivot	Traditional Center Pivot	Modern Side Pivot	Modern Side Pivot	Traditional Center Pivot
Continuous Beam Range	14° – 63°	14° – 70°	14° – 70°	14° – 70°	14° – 70°	14° – 70°
Light Diameter	1.65" dia.	2.25" dia.	2.25" dia.	2.25" dia.	2.25" dia.	2.25" dia.
Voltage	12 V	12 V	12 V	120 V – 277 V	12 V	12 V
Watts (Lumens)	5 W (365 lm) 7 W (560 lm)	5 W (500 lm) 7 W (775 lm) 10 W (950 lm)	5 W (500 lm) 7 W (775 lm) 10 W (950 lm)	5 W (400 lm) 7 W (775 lm) 10 W (950 lm)	5 W (500 lm) 7 W (775 lm) 10 W (950 lm)[1]	5 W (500 lm) 7 W (775 lm) 10 W (950 lm)[1]
Projection Distance	Up to 50 ft.	Up to 80 ft.	Up to 80 ft.	Up to 100 ft.	Up to 80 ft.	Up to 80 ft.

[1] Listed wattage and lumen values are per light head. Double Area Lights provide twice the listed wattage and lumen output.

Every outdoor lighting design reflects a single moment in time.

HK Adapt Optic provides the flexibility to preserve that vision as landscapes, architecture, and projects evolve.

Explore Adapt Optic

How can we help illuminate
your next project?

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