



PROJECT \_\_\_\_\_

CATALOG # \_\_\_\_\_

TYPE \_\_\_\_\_

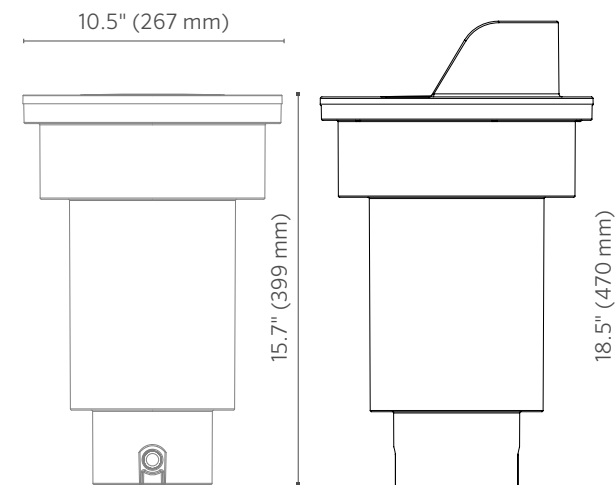
NOTES \_\_\_\_\_

## A-KN In-grade Light LINE-VOLTAGE

Adjustable angle, in-grade light ranging from 700 to 2,000 lumens. Inside, a removable circular cartridge houses all components for easy access and servicing. Powder-coated and anodized aluminum construction.

### Quick Facts

- Die-cast aluminum
- Two-layer, marine-grade anodization and powder coat finish
- Xicato® LED Module
- ProAim® adjustability
- Adjust angle without breaking seal
- Tamper-resistant features
- Removable lighting cartridge
- Dimming: Phase or 0-10V
- Input voltage: 110-277V
- Rating: IP67



# A-KN In-grade Light SPECIFICATIONS

Output	700 lm	1,000 lm	1,300 lm	2,000 lm
<b>Total Lumens<sup>†</sup></b>	646	889	1,159	1,871
<b>Input Voltage</b>	110-277 V	110-277 V	110-277 V	110-277 V
<b>Input Power (W)</b>	7.2	10.7	14.9	23.7
<b>VA</b>	7.4	11.1	15.2	23.9
<b>Efficacy (Lumens/Watt)</b>	89	83	78	79
<b>Color Rendering Index (CRI)</b>	83	83	83	83
<b>Center Beam Candlepower*</b>				
<b>Spot (20°)</b>	2,049	2,848	3,747	6,146
<b>Flood (40°)</b>	1,116	1,548	2,034	3,329
<b>Wide Flood (60°)</b>	661	893	1,208	1,978
<b>Dimming</b>	Phase, 0-10 V	Phase, 0-10 V	Phase, 0-10 V	Phase, 0-10 V
<b>Luxor Compatibility</b>				
<b>ZD Option</b>	Luxor CUBE Req'd	Luxor CUBE Req'd	Luxor CUBE Req'd	Luxor CUBE Req'd
<b>Minimum Rated Life (L80)</b>	50,000 Hrs	50,000 Hrs	50,000 Hrs	50,000 Hrs

<sup>†</sup> Measured using the flood (40°) optic. Lumen output does not change according to specified CCT.

## FX Luminaire

FX Luminaire is an industry-leading manufacturer of landscape and architectural lighting products with a focus on the advancement of LED technology and digital lighting control with zoning, dimming, and color adjustment capabilities. We offer a full spectrum of specification-driven lighting fixtures that can be utilized to create elegant, cutting-edge landscape lighting systems for commercial or residential applications. Our products are available exclusively via our extensive professional distributor network.

## Materials

Die-cast aluminum A380 faceplate and sealed housing with stainless steel hardware. ABS construction sleeve.

## Optics

Beam angle options preinstalled: spot (20°), flood (40°), or wide flood (60°).

## Lamp

Integrated Xicato LED module. Next-Generation Corrected Cold Phosphor Technology® keeps phosphors cool for maintained light quality and very tight color consistency (within 1 x 2 MacAdam ellipses). Up to 100+ lumens per watt at operating conditions. CCT range from 2,700K to 4,000K with outputs between 700 and 2,000 lumens.

## Socket

Socket contains MoistureBlock™ technology, preventing moisture from wicking into sealed areas of the luminaire via the wiring.

## Aiming

External stainless steel adjustment screw from housing, allowing 20° in allowing adjustment without opening the sealed fixture. 1° of rotation for every complete turn of the adjustment screw. Screw covered by faceplate to ensure stable positioning.

## Wiring

UL1015 105C 600V; 18/3 for phase dim driver and 18/5 for 0-10V driver.

## Power

Three power options: 1) standard voltage using 120V input with phase dimming, 2) universal voltage using 110V to 277V with 0-10V dimming, or 3) high voltage using 220V to 240V with 0-10V dimming.

## Housing

Die-cast aluminum housing with capacity up to 2,000 lumens. Removable cartridge contains LED module, optics, and driver into a single assembly.

## Construction Sleeve

Vertical and horizontal ½" NPT knockouts. Patented sleeve cover for positioning and alignment from grade.

## Faceplate

Die-cast aluminum faceplate with flat face (standard) or 3" (76 mm) cowling for glare control (optional).

## Lens

Tempered glass lens with shock resistance and high tolerance for thermal expansion and stress. Slip-resistant option available on flat faceplate only.

## Finish

Two-layer protection of sulfuric acid anodization and polyester TGIC powder coat, providing superior outdoor weathering in all conditions. Tested to ASTM standards.

## Hardware

¼-20 x ½" stainless steel angle lock screw (hex) with 8-32 x 7/16" setscrew (hex).

## Ambient Operating Temperature

0700 lm: -13°F to 122°F (-25°C to 50°C)  
 1,000 lm: -13°F to 113°F (-25°C to 45°C)  
 1,300 lm: -13°F to 104°F (-25°C to 40°C)  
 2,000 lm: -13°F to 95°F (-25°C to 35°C)

## Weight

7.9 lbs. (3.6 kg)

## Sustainability

Innovation meets conservation in the design and manufacturing of our products. Where we can, we use recycled materials while maintaining superior functionality. Our LED products provide high-quality light at optimal energy efficiency, lifespan, and durability.

## Installation Requirements

Housing/sleeve designed for installation in the upward direction only.

## Warranty

5-year limited warranty

## Listings



# A-KN In-grade Light ORDERING INFORMATION

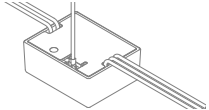
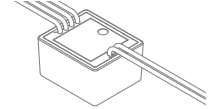
Fixture	Power Control	Output	CCT	Optics	Options	Finish	Mounting Options
A-KN	■ SV 120V/ 60 Hz Phase (UL listed)	■ L07 646 Lumens	■ K27 2,700K	■ SP 20°	■ [default] Ring	■ BZ Bronze Metallic	■ MKKN Standard Kit
	■ UV 110-277V/ 60 Hz 0-10V (UL listed)	■ L10 889 Lumens	■ K30 3,000K	■ FL 40°	■ CW Cowling	■ DG Desert Granite	
	■ HV 220-240V/ 50 Hz 0-10V (CE approved)	■ L13 1,159 Lumens	■ K40 4,000K	■ WF 60°	■ SR Slip Resistant (Ring Option)	■ WI Weathered Iron	
		■ L20 1,871 Lumens				■ SB Sedona Brown	
						■ FB Black	
						■ WG White Gloss	
						■ FW Flat White	
						■ AL Almond	
					■ SV Silver		

EXAMPLE FIXTURE CONFIGURATION: A-KN-SV-L10-K30-FL-SR-BZ








A-KN -  -  -  -  -  -  + MKKN

# A-KN In-grade Light ORDERING INFORMATION

## LUXOR CUBES: Specify Separately

Item	Code	
<b>HV CUBE</b> 120V Phase Dimming Module	LCM-HV	
<b>0-10V CUBE</b> 0-10V and Relay Module	LCM-RLY-010V	

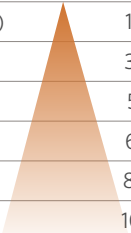
## LENS ACCESSORIES: Specify Separately

Item	Code	
<b>HEX BAFFLE</b> 3.0" (76 mm)	LENS-76-HEX	
<b>LINEAR SPREAD LENS</b> 3.0" (76 mm)	LENS-76-SPRL	
<b>SOLITE SPREAD LENS</b> 3.0" (76 mm)	LENS-76-SPRS	
<b>FROSTED LENS</b> 3.0" (76 mm)	LENS-76-FRST	
<b>RED DICHROIC LENS</b> 3.0" (76 mm)	LENS-76-RED	
<b>GREEN DICHROIC LENS</b> 3.0" (76 mm)	LENS-76-GRN	
<b>BLUE DICHROIC LENS</b> 3.0" (76 mm)	LENS-76-BLU	

# A-KN In-grade Light PHOTOMETRICS

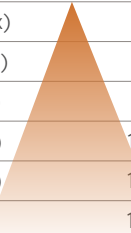
*A-KN 700 Lumens 20°*

Feet (Meters)	Center Beam	Beam Width
	Foot-Candle (Lux)	
		Vertical 24.0°
4.0' (1.2 m)	128.0 fc (1,278 lx)	1.7' (0.5 m)
8.0' (2.4 m)	31.9 fc (343 lx)	3.4' (1.0 m)
12.0' (3.7 m)	14.2 fc (153 lx)	5.1' (1.6 m)
16.0' (4.9 m)	8.0 fc (86 lx)	6.8' (2.1 m)
20.0' (6.1 m)	5.1 fc (55 lx)	8.5' (2.6 m)
24.0' (7.3 m)	3.6 fc (39 lx)	10.2' (3.1 m)



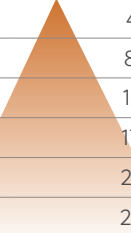
*A-KN 700 Lumens 40°*

Feet (Meters)	Center Beam	Beam Width
	Foot-Candle (Lux)	
		Vertical 43.2°
4.0' (1.2 m)	69.8 fc (751 lx)	3.2' (1.0 m)
8.0' (2.4 m)	17.4 fc (187 lx)	6.3' (1.9 m)
12.0' (3.7 m)	7.8 fc (84 lx)	9.5' (2.9 m)
16.0' (4.9 m)	4.4 fc (47 lx)	12.7' (3.9 m)
20.0' (6.1 m)	2.8 fc (30 lx)	15.9' (4.9 m)
24.0' (7.3 m)	1.9 fc (21 lx)	19.0' (5.8 m)



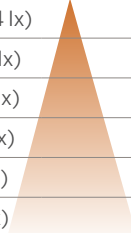
*A-KN 700 Lumens 60°*

Feet (Meters)	Center Beam	Beam Width
	Foot-Candle (Lux)	
		Vertical 57.9°
4.0' (1.2 m)	41.3 fc (445 lx)	4.4' (1.3 m)
8.0' (2.4 m)	10.3 fc (111 lx)	8.9' (2.7 m)
12.0' (3.7 m)	4.6 fc (50 lx)	13.3' (4.1 m)
16.0' (4.9 m)	2.6 fc (28 lx)	17.7' (5.4 m)
20.0' (6.1 m)	1.7 fc (18 lx)	22.1' (6.7 m)
24.0' (7.3 m)	1.2 fc (13 lx)	26.6' (8.1 m)



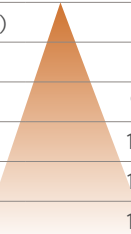
*A-KN 1,000 Lumens 20°*

Feet (Meters)	Center Beam	Beam Width
	Foot-Candle (Lux)	
		Vertical 23.8°
4.0' (1.2 m)	175.0 fc (1,884 lx)	1.7' (0.5 m)
8.0' (2.4 m)	43.8 fc (472 lx)	3.4' (1.0 m)
12.0' (3.7 m)	19.4 fc (209 lx)	5.0' (1.5 m)
16.0' (4.9 m)	10.9 fc (117 lx)	6.7' (2.0 m)
20.0' (6.1 m)	7.0 fc (75 lx)	8.4' (2.6 m)
24.0' (7.3 m)	4.9 fc (53 lx)	10.1' (3.1 m)



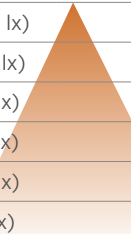
*A-KN 1,000 Lumens 40°*

Feet (Meters)	Center Beam	Beam Width
	Foot-Candle (Lux)	
		Vertical 42.9°
4.0' (1.2 m)	96.8 fc (1,042 lx)	3.1' (1.0 m)
8.0' (2.4 m)	24.2 fc (261 lx)	6.3' (1.9 m)
12.0' (3.7 m)	10.8 fc (116 lx)	9.4' (2.9 m)
16.0' (4.9 m)	6.0 fc (65 lx)	12.6' (3.8 m)
20.0' (6.1 m)	3.9 fc (42 lx)	15.7' (4.8 m)
24.0' (7.3 m)	2.7 fc (29 lx)	18.9' (5.8 m)



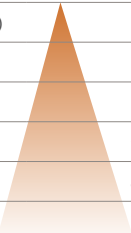
*A-KN 1,000 Lumens 60°*

Feet (Meters)	Center Beam	Beam Width
	Foot-Candle (Lux)	
		Vertical 58.0°
4.0' (1.2 m)	55.8 fc (601 lx)	4.4' (1.3 m)
8.0' (2.4 m)	14.0 fc (151 lx)	8.9' (2.7 m)
12.0' (3.7 m)	6.2 fc (67 lx)	13.3' (4.1 m)
16.0' (4.9 m)	3.5 fc (38 lx)	17.7' (5.4 m)
20.0' (6.1 m)	2.2 fc (24 lx)	22.1' (6.7 m)
24.0' (7.3 m)	1.6 fc (17 lx)	26.6' (8.1 m)



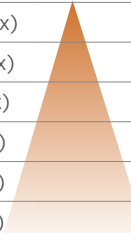
*A-KN 1,300 Lumens 20°*

Feet (Meters)	Center Beam	Beam Width
	Foot-Candle (Lux)	
		Vertical 23.8°
4.0' (1.2 m)	231 fc (2,487 lx)	1.7' (0.5 m)
8.0' (2.4 m)	57.7 fc (621 lx)	3.4' (1.0 m)
12.0' (3.7 m)	25.6 fc (276 lx)	5.0' (1.5 m)
16.0' (4.9 m)	14.4 fc (155 lx)	6.7' (2.0 m)
20.0' (6.1 m)	9.2 fc (99 lx)	8.4' (2.6 m)
24.0' (7.3 m)	6.4 fc (69 lx)	10.1' (3.1 m)



*A-KN 1,300 Lumens 40°*

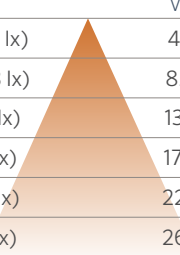
Feet (Meters)	Center Beam	Beam Width
	Foot-Candle (Lux)	
		Vertical 42.6°
4.0' (1.2 m)	127 fc (1,367 lx)	3.1' (1.0 m)
8.0' (2.4 m)	31.8 fc (342 lx)	6.2' (1.9 m)
12.0' (3.7 m)	14.1 fc (152 lx)	9.4' (2.9 m)
16.0' (4.9 m)	8.0 fc (86 lx)	12.5' (3.8 m)
20.0' (6.1 m)	5.0 fc (54 lx)	15.6' (4.8 m)
24.0' (7.3 m)	3.5 fc (38 lx)	18.7' (5.7 m)



# A-KN In-grade Light PHOTOMETRICS

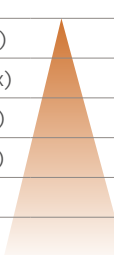
A-KN 1,300 Lumens 60°

Feet (Meters)	Center Beam	Beam Width
		Vertical 57.8°
4.0' (1.2 m)	75.5 fc (813 lx)	4.4' (1.3 m)
8.0' (2.4 m)	18.9 fc (203 lx)	8.8' (2.7 m)
12.0' (3.7 m)	8.4 fc (90 lx)	13.3' (4.1 m)
16.0' (4.9 m)	4.7 fc (51 lx)	17.7' (5.2 m)
20.0' (6.1 m)	3.0 fc (32 lx)	22.1' (6.7 m)
24.0' (7.3 m)	2.1 fc (23 lx)	26.5' (8.1 m)



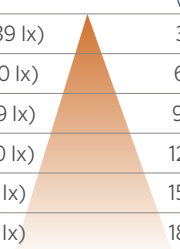
A-KN 2,000 Lumens 20°

Feet (Meters)	Center Beam	Beam Width
		Vertical 23.6°
4.0' (1.2 m)	382 fc (4,112 lx)	1.7' (0.5 m)
8.0' (2.4 m)	95.5 fc (1,028 lx)	3.3' (1.0 m)
12.0' (3.7 m)	42.5 fc (458 lx)	5.0' (1.5 m)
16.0' (4.9 m)	23.9 fc (257 lx)	6.7' (2.0 m)
20.0' (6.1 m)	15.3 fc (165 lx)	8.3' (2.5 m)
24.0' (7.3 m)	10.6 fc (114 lx)	10.0' (3.1 m)



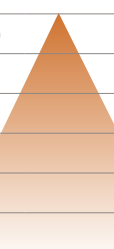
A-KN 2,000 Lumens 40°

Feet (Meters)	Center Beam	Beam Width
		Vertical 42.2°
4.0' (1.2 m)	208 fc (2,239 lx)	3.1' (1.0 m)
8.0' (2.4 m)	52.0 fc (560 lx)	6.2' (1.9 m)
12.0' (3.7 m)	23.1 fc (249 lx)	9.3' (2.8 m)
16.0' (4.9 m)	13.0 fc (140 lx)	12.3' (3.8 m)
20.0' (6.1 m)	8.3 fc (89 lx)	15.4' (4.7 m)
24.0' (7.3 m)	5.8 fc (62 lx)	18.5' (5.6 m)



A-KN 2,000 Lumens 60°

Feet (Meters)	Center Beam	Beam Width
		Vertical 57.3°
4.0' (1.2 m)	124 fc (1,335 lx)	4.4' (1.3 m)
8.0' (2.4 m)	30.9 fc (333 lx)	8.7' (2.7 m)
12.0' (3.7 m)	13.7 fc (148 lx)	13.1' (4.0 m)
16.0' (4.9 m)	7.7 fc (83 lx)	17.5' (5.3 m)
20.0' (6.1 m)	5.0 fc (54 lx)	21.9' (6.7 m)
24.0' (7.3 m)	3.4 fc (37 lx)	26.2' (8.0 m)



Xicato and Corrected Cold Phosphor Technology are trademarks of Xicato Inc. MoistureBlock is a trademark of DSM&T Co. Inc.

© 2020 Hunter Industries Inc. Hunter, FX Luminaire, all related logos, and all other trademarks are property of Hunter Industries, registered in the U.S. and other countries.