



The Pico Program



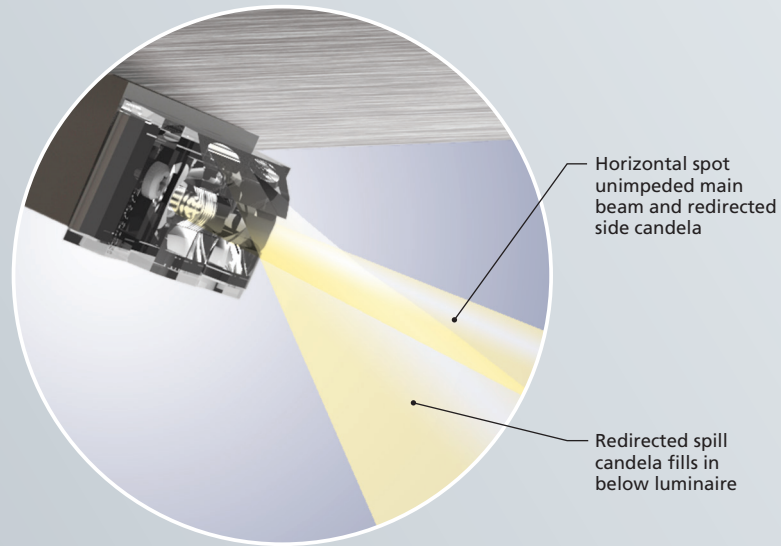
KIMLIGHTING

Current 

PicoPrism™ Optics

Kim's patented PicoPrism modules are designed and built to IP66 standards, constructed to withstand water ingress, weather conditions and corrosion. Each module includes a premium grade acrylic prism with 4 high performance LEDs and an integrated, anodized heat sink to maximize heat dissipation, making it ideal for the rigors of the outdoor environment.

PicoPrism luminaires do not require lensing and are designed to allow natural cooling through convection. This adds to the task efficiencies and each module can be independently aimed to attain unmatched uniformity, customized to any application. In addition, the optimized LED module design utilizes a higher drive current (up to 700mA) to achieve even greater lumen output. In total, PicoPrism light engines will generate up to 150% greater lumen output than prior generation technology, delivering up to 22,000 lumens.

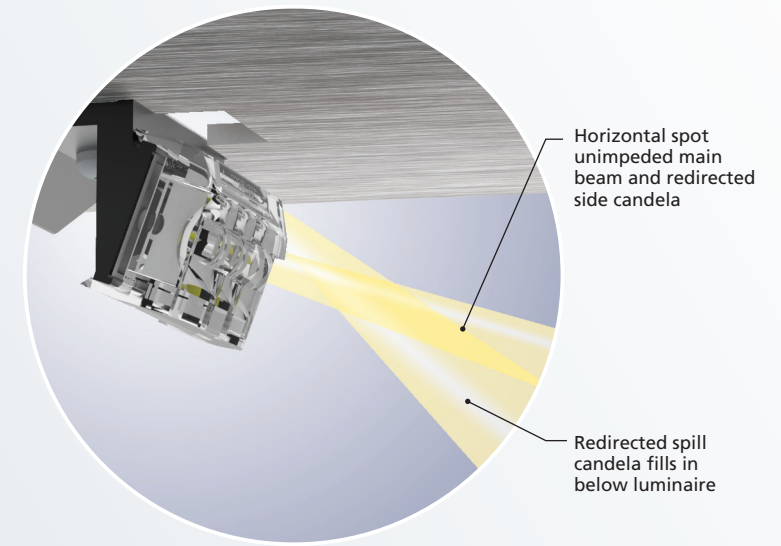


Targeted Precisely Controlled Illumination

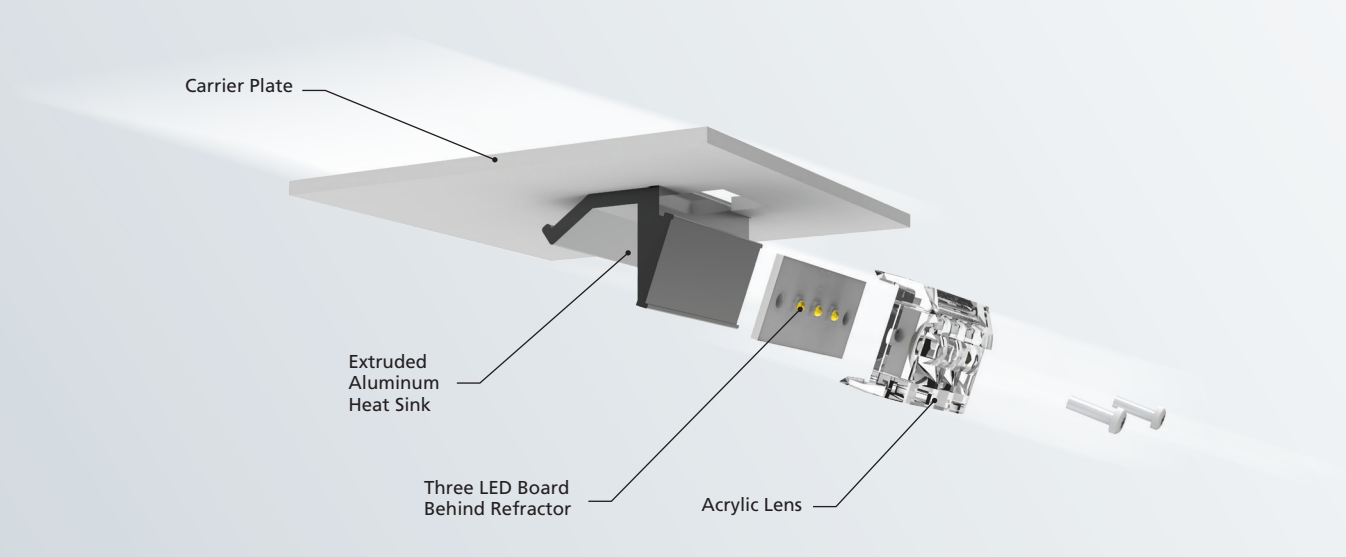
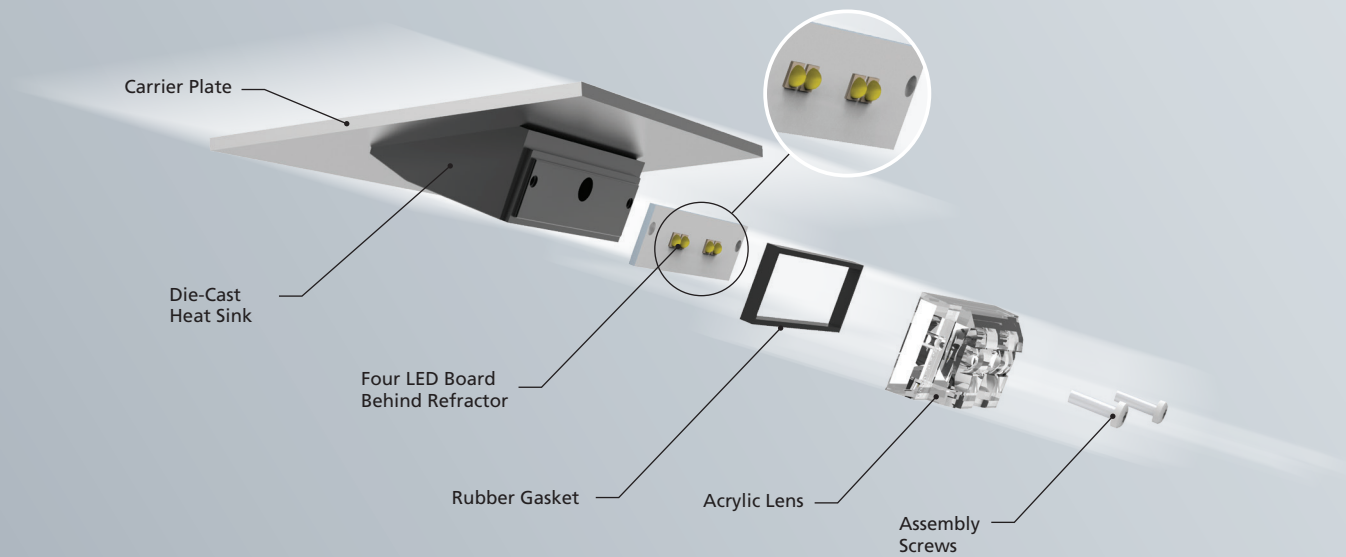
PicoEmitter™ Optics

Each PicoEmitter module includes a premium grade acrylic prism with 3 high performance LEDs that are attached to a heat sink. Unlike the PicoPrism™, the PicoEmitter fixture requires a lens, because the optic is not sealed. PicoEmitter luminaires utilize either flat or dropped lenses for ideal optical distribution with vandal resistance lensing available. The thermal heat management in a PicoEmitter is dissipated through conduction rather than convection enabling the LEDs to run cooler at lower current.

The prism is multi-functional, redirecting lost light off the LED down toward the task. This allows directional aiming of the prism. This refraction allows more light to exit the luminaire, increasing the light output by as much as 25% with the same wattage, current and distributions as the prior generation technology it is replacing.

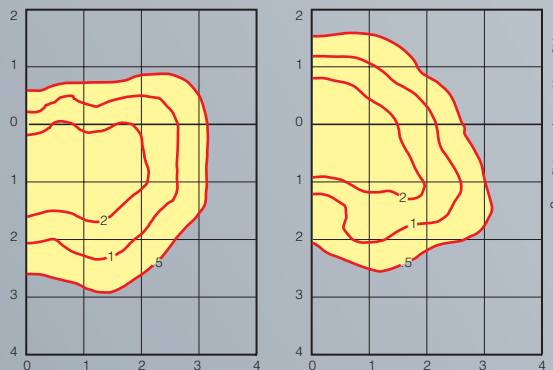


Targeted Precisely Controlled Illumination



The Archetype®

Foot-candles @ 20' mounting height, distance is units of mounting height

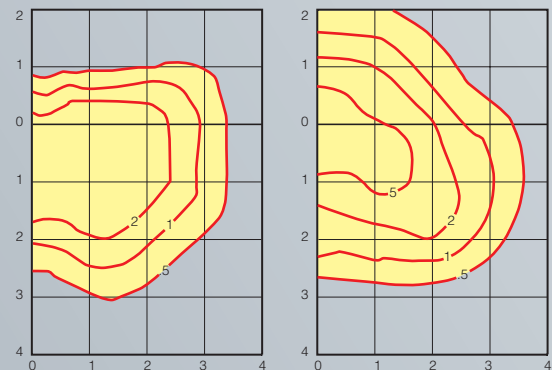


PicoPrism (AR3P70/80L5K)

HID (AR3/250PMH)

WARP9®

Foot-candles @ 20' mounting height, distance is units of mounting height

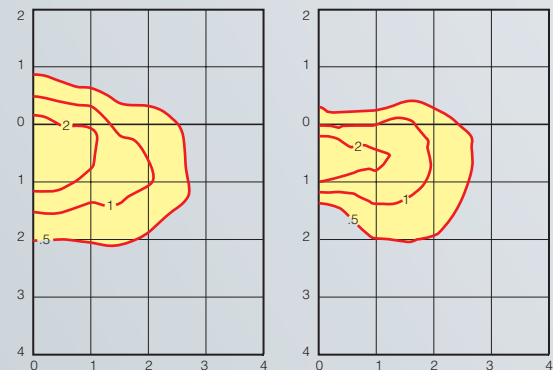


PicoPrism (WP9L3P70/120L5K)

HID (WP9LE3/400PMH)

The Archetype®

Foot-candles @ 20' mounting height, distance is units of mounting height

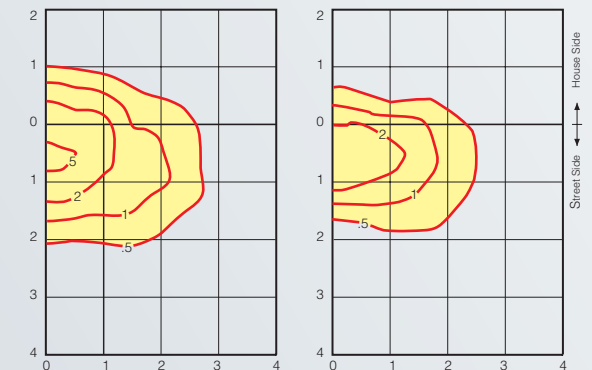


PicoEmitter (AR3E35/120L5K)

MicroEmitter (AR3/120L5K)

WARP9®

Foot-candles @ 20' mounting height, distance is units of mounting height



PicoEmitter (WP9L3E35/120L5K)

MicroEmitter (WP9LE3/120L5K)

High Performance Aimed Optic LED Technology

In response to market demand, Kim Lighting's unique approach to innovative outdoor LED luminaires continues with the latest generation of high performance PicoPrism and new PicoEmitter optics. Creating distinct and precise distributions using these patented optical technologies, Kim Lighting delivers innovation and customization, further expanding our reach as a technology leader and shattering the paradigm of designing outdoor lighting using HID-source application principals.

How to Choose

How do you tell which optic is the best for your particular needs? There are definite and distinct differences between the two technologies, such as Class 1 or 2 classification and drive current variation. What it comes down to is which luminaire selected requires a lens and where that lens is located.

PicoPrism™

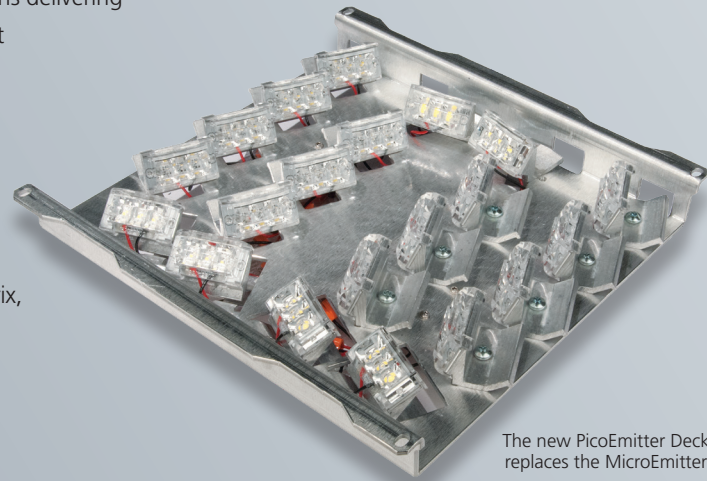
- Higher mounting heights for site, area and street applications
- Higher delivered lumen requirements
- Greater pole spacing
- Field Rotatable Optics for The Archetype®, The Entablature and Structural
- Higher efficacy, up to 107 lumens per watt
- Sealed LED components
- Class 2 construction and up to 700mA drive current,
- Available only in The Archetype, The Entablature, Structural and WARP9®



The new PicoPrism Deck

PicoEmitter™

- Mid-range mounting heights for pedestrian scale applications delivering a higher degree of visual comfort due to lower drive current
- Lens preference for aesthetics or vandal resistance
- Match existing MicroEmitter projects
- Sealed optical chamber
- Class 1 construction 350mA drive current
- Available in, The Archetype, Bounce, Curvilinear, The Entablature, Era®, Era Acorn, Era Bell, Era Lantern, Matrix, Solitaire, Structural, Wall Director® and WARP9.



The new PicoEmitter Deck replaces the MicroEmitter



PicoPrism™ Modules



PicoEmitter™ Modules

LED Optical Systems

LUMINAIRE	PICOPRISM		PICOEMITTER	
	pLED	HID UP-GRADE KIT	eLED	HID UP-GRADE KIT
WARP9® (WP9L/WP9S)	•	•	•	•
The Archetype® (AR/SAR)	•	•	•	•
Structural (STL/STS)	•	•	•	•
The Entablature® (ET/SET)	•	•	•	•
EKG (EKG401/501)*	•	•	—	—
Curvilinear Cutoff (CC17/CC21)	—	—	•	•
Curvilinear Cutoff (CC25)	•	•	—	—

LUMINAIRE	PICOPRISM		PICOEMITTER	
	pLED	HID UP-GRADE KIT	eLED	HID UP-GRADE KIT
Solitaire (SRS1)	—	—	•	•
NeoSphere® (NSL)	—	—	•	•
Bounce® (BNS1)	—	—	•	•
Era® (RA17/RA25)	—	—	•	•
Era® Bell (BE17/BE21)	—	—	•	•
Era® Acorn (AE17/AE21)	—	—	•	•
Era® Lantern (LE19/LE26)	—	—	•	•
Wall Director® (WD14/WD18)	—	—	•	•

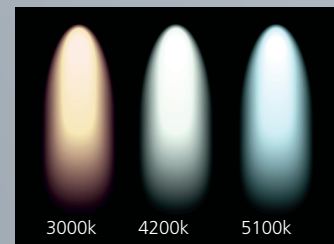
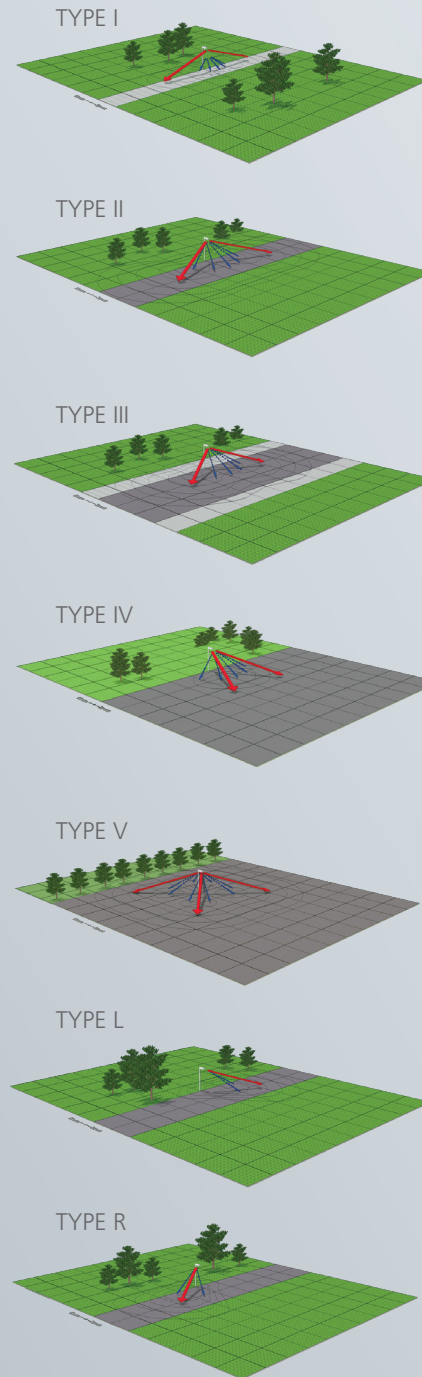
*EKG501 is only available in an HID Up-grade Kit

Advanced optic technology delivers many common benefits

Both the PicoPrism™ and PicoEmitter™ technologies feature high performance LEDs using an optimized, premium optical grade PMMA acrylic refractor. The efficient design of the modules make each light engine highly customizable, allowing the light distribution to be aimed toward the application. Both optical systems allow for versatility, tight cutoffs and flexible control for a wide variety of applications. Any IES distribution as well as custom distributions can be obtained using our unique aimed optical systems. The Neighbor Friendly Optic is available in both optical systems to further reduce backlight. These can be either factory or field installed.

Features:

- Exceptional uniformity and low glare for maximum comfort
- Controls ready
 - All luminaires have 0-10 v dimming built in and can be used with:
 - Occupancy sensors
 - Dimming Circuitry
 - Photo Cells
 - Wireless control systems
- Meets California Title 24 and ASHRAE regulations for energy efficiency
- 3000K, 4200K, and 5100K CCT
- All standard IES distributions (Type I, II, III, IV, V, R, L, and custom)
- Neighbor-friendly optic, factory or field installable
- Field-upgrade kits available for existing installations
- DLC and IDA approved
- LifeShield® Thermal Protection and surge suppression standard
- Kim's standard warranty of 5 years for metal parts and LEDs, 6 years for LED light engines and 10 years for exterior housing finishes



Occupancy Sensor

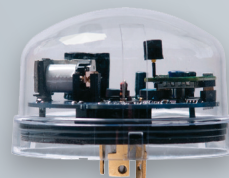


Photo Cell

Upgrading HID to LED

Existing Kim HID luminaires can be upgraded to the new Pico Program. The upgrade kit installs in just minutes. As a Kim Lighting product, the upgrade kit preserves the applicable UL/CSA/ETL listing of the product and its warranty ... something third party retrofits cannot do. Refer to the LED Optical Systems Chart on page 3 for availability. HID to LED Upgrade Kit instructions are available at currentlighting.com/kimlighting

Enjoy state-of-the-art LED lighting technology by deploying Kim Lighting's HID to LED Upgrade Kits.



Kim Lighting HID luminaires can easily be converted to state-of-the-art LED technology.

5/6/10 PicoPrism™, PicoEmitter™ LED Luminaire Warranty

When properly installed and under normal conditions of use, Kim Lighting warrants PicoPrism, PicoEmitter luminaire products ("Product(s)") sold by Kim Lighting to be free from defects in material and workmanship for (i) a period of five (5) years for metal parts, (ii) a period of five (5) years for LED power components (LED Driver, LifeShield® Device), (iii) a period of six (6) years for LED Light Engines and (iv) a period of ten (10) years for exterior housing paint finish(s) from the date of sale of such goods to the buyer as specified in Kim Lighting shipment documents for each Product(s). Occupancy sensors, surge protectors, dimmers and relay wiring components are covered by the manufacturer's warranty. The buyer agrees to make all claims regarding defects or deficiencies in the Product(s) according to the terms of Kim Lighting's official warranty. Warranty claims must be made in writing according to Kim Lighting procedures existing at the time of the claim. Valid warranty claims must be made within the warranty period specified herein above, and submitted within thirty (30) days of discovery of the damage or defect. No FIELD labor, repair, DISMANTLE, or installation charges are included with this warranty. Kim Lighting may repair or replace any Product(s) covered by this warranty at its sole discretion and in accordance with its procedure. Any unauthorized return, repair, replacement or modification of the Product(s) shall void this warranty. This warranty applies only to the use of the Product(s) as intended by Kim Lighting and does not cover any misapplication or misuse of said Product(s), or installation in hazardous or corrosive environments. In no event shall Kim Lighting's total liability for any reason arising hereunder exceed the purchase price paid to Kim Lighting for the product purchased by the buyer hereunder. Contact Kim Lighting for complete warranty language, exceptions, and limitations.



PicoPrism module



The new PicoEmitter module replaces the MicroEmitter

Additional Kim Lighting LED Families



WARP9® WITH PICOPRISM™
SITE / ROADWAY



ALL-INCLUSIVE LED BOLLARDS
LOW LEVEL



LIGHTVAULT® 8
IN-GRADE



LANDSCAPE LIGHTING
COLLECTION

Current

Current Lighting Solutions, LLC

701 Millennium Blvd.
Greenville, SC 29607

currentlighting.com/kimlighting

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