

# The Pico Program



**KIM LIGHTING**  
[www.kimlighting.com](http://www.kimlighting.com)



**HUBBELL**  
Lighting

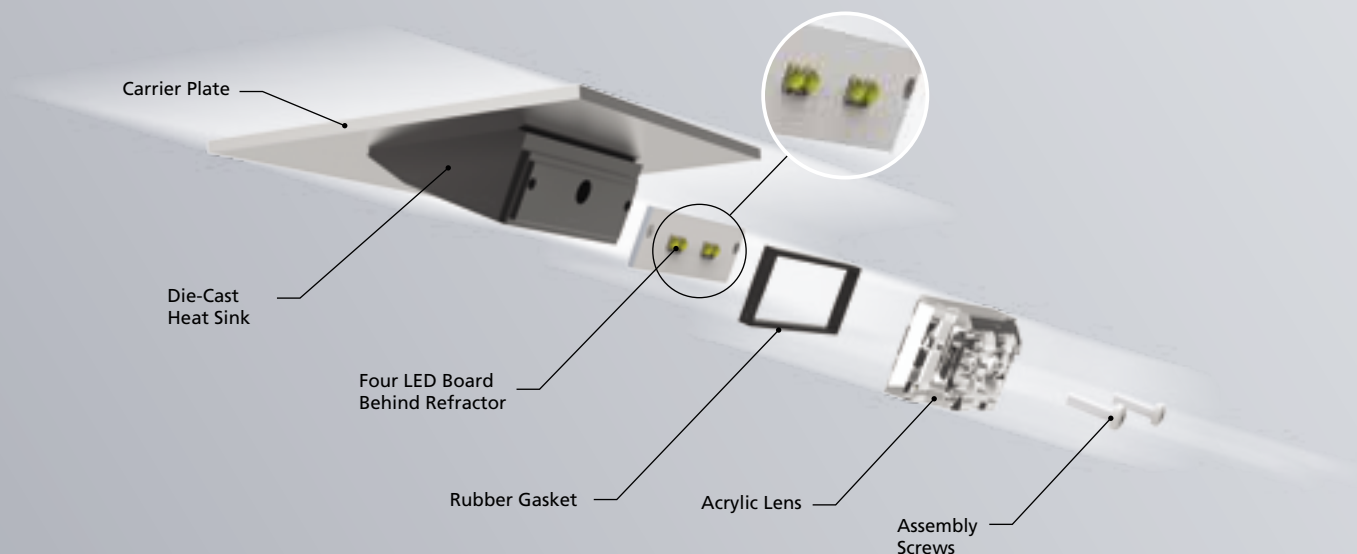
# PicoPrism™ Optics

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.

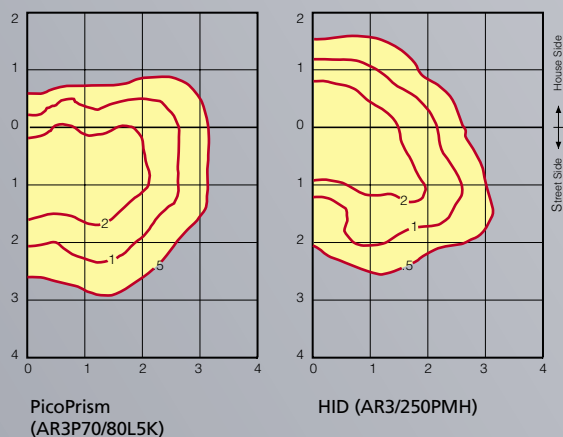


Targeted  
Precisely Controlled  
Illumination



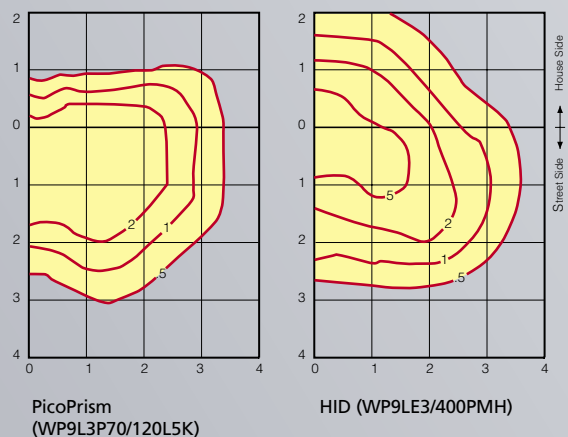
## The Archetype®

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



## WARP9®

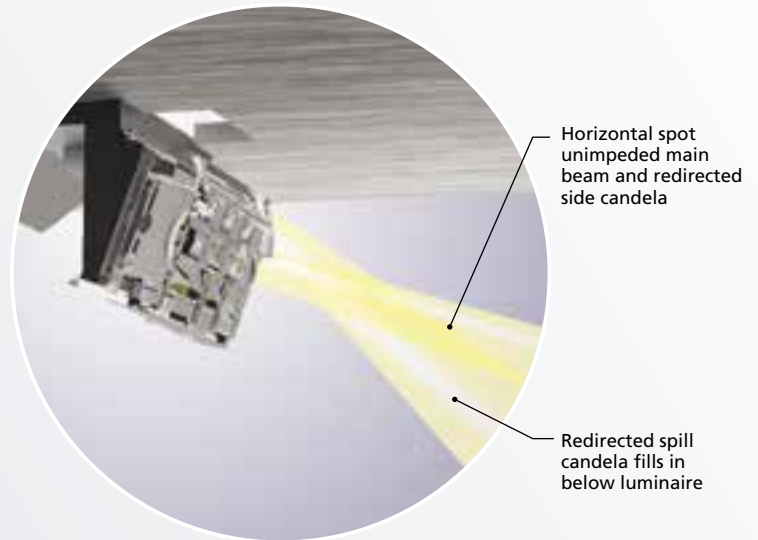
Foot-candles @ 20' mounting height, distance is units of mounting height



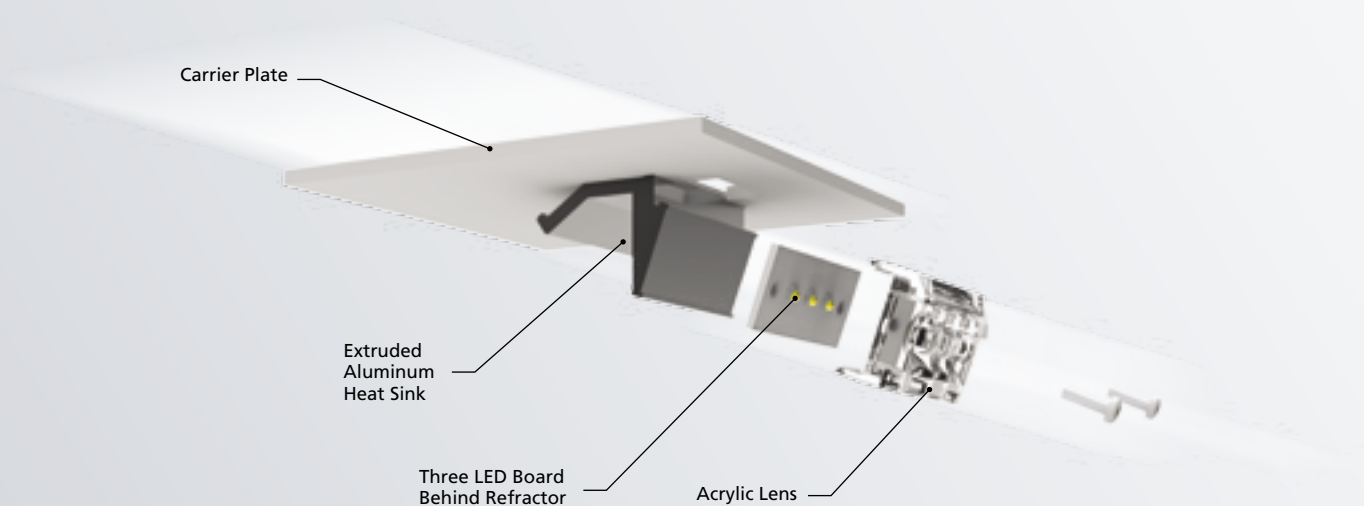
# PicoEmitter™ Optics

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.

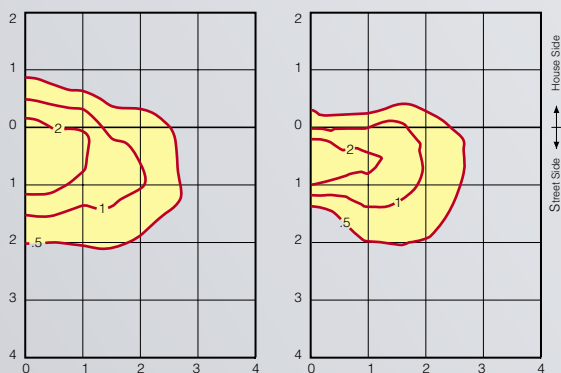


Targeted  
Precisely Controlled  
Illumination



## The Archetype®

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

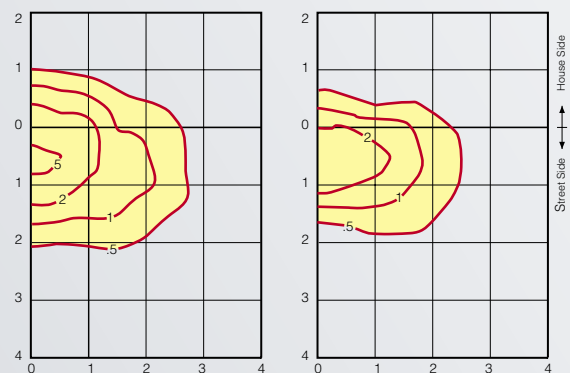


PicoEmitter  
(AR3E35/120L5K)

MicroEmitter (AR3/120L5K)

## WARP9®

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



PicoEmitter  
(WP9L3E35/120L5K)

MicroEmitter (WP9L3E35/120L5K)



# 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™

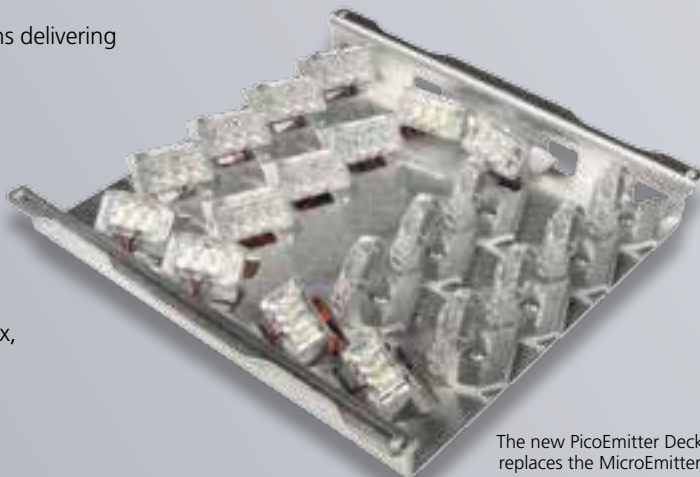
- Higher mounting heights for site, area and street applications
- Higher delivered lumen requirements
- Greater pole spacing
- Field Rotatable Optics for The Archetype®, The Entablature and Structural
- Higher efficacy, up to 107 lumens per watt
- Sealed LED components
- Class 2 construction and up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



## LED Optical Systems

LUMINAIRE	PICOPRISM		PICOEMITTER	
	pLED	HID UP-GRADE KIT	eLED	HID UP-GRADE KIT
 Altitude™ (ALT)	•	—	—	—
 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)	—	—	•	•

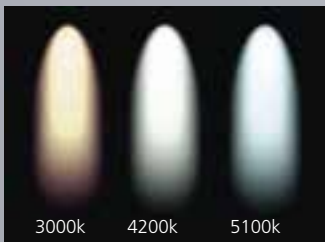
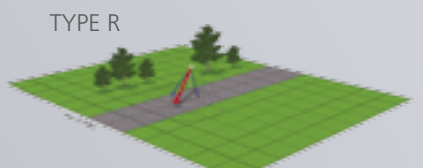
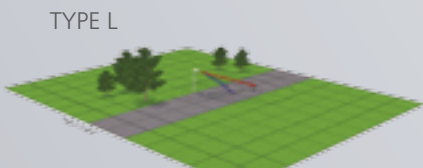
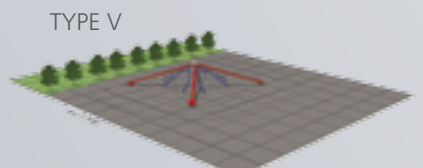
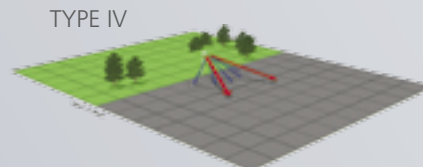
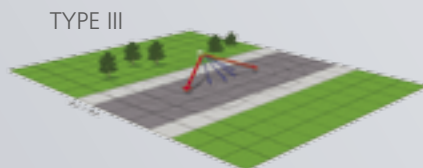
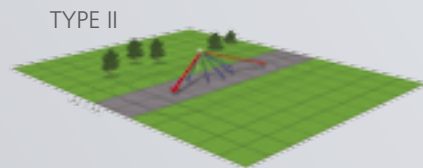
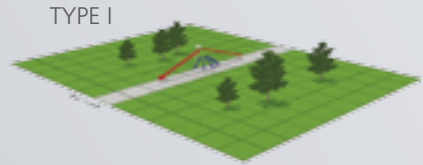
\*EKG501 is only available in an HID Up-grade Kit

# 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 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



Occupancy Sensor

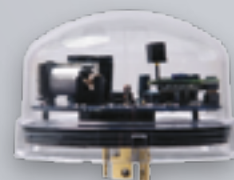


Photo Cell





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



The Archetype® shown with PicoPrism™ LED technology.

## 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 [www.kimlighting.com](http://www.kimlighting.com)

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



PicoPrism module

The new PicoEmitter module replaces the MicroEmitter

For warranty see <http://www.hubbellighting.com/resources/warranty>

ALERA LIGHTING

ARCHITECTURAL AREA LIGHTING

BEACON PRODUCTS

COLUMBIA LIGHTING

COMPASS

DEVINE LIGHTING

DUAL-LITE

HUBBELL BUILDING AUTOMATION

HUBBELL INDUSTRIAL LIGHTING

HUBBELL OUTDOOR LIGHTING

KIM LIGHTING

KURT VERSEN

LITECONTROL

PRESCOLITE

PROGRESS LIGHTING

SPAULDING LIGHTING

SPORTSLITER SOLUTIONS

STERNER

WHITEWAY

## Additional Kim Lighting LED Families



ALTITUDE®  
SITE / ROADWAY



THE PICO PROGRAM  
SITE / ROADWAY



WARP9® WITH PICOPRISM™  
SITE / ROADWAY



LIGHTVAULT® 8  
IN-GRADE



LED BOLLARD COLLECTION  
LOW LEVE



LANDSCAPE LIGHTING  
COLLECTION