



ALK SERIES

High Performance
LED Area Light Kit

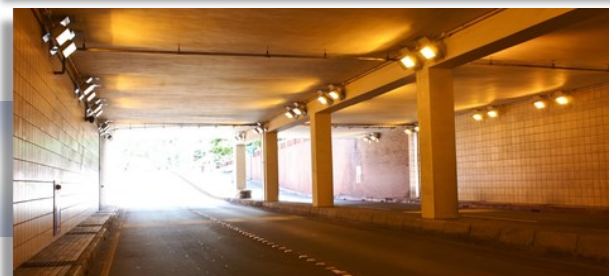


Overview

The ALK Series is a family of versatile high lumen LED modules designed for use in a variety of interior and exterior applications. The IP65 rated precision optics are available in Type III and Type V beam distributions. Modules are constructed from a single-piece anodized extrusion for optimal thermal management and ease of fixture integration.

Modules are available in arrays of 24, 36 and 48 LEDs. ALK replicates the lumen output of HID sources from 70 to 150 watts while saving energy and significantly reducing maintenance costs. ALK is available in 4000 K and 5000 K CCT, with a nominal 80 CRI.

Contact Heatron for custom beam angles, CCT's and CRI's.



*Transforming Your Vision
into Higher Performance Solutions*

ALK Series

Key Features

- High lumen output, up to 8600 lumens
- 24, 36 or 48 LED arrays
- Color Temperatures: 4000 K and 5000 K
- Optimized thermal management for maximum performance, long life and reliability
- Environmentally green: Mercury and UV Free, RoHS compliant

Product Features

- Type III optics provide asymmetric distribution for perimeters
- Type V optics provide symmetric distribution for wide open areas
- Capable of 100+ lm/W efficacy
- Lighting class LEDs mounted to MCPCB affixed to a single-piece thermal management anodized extrusion

Certification and Compliance

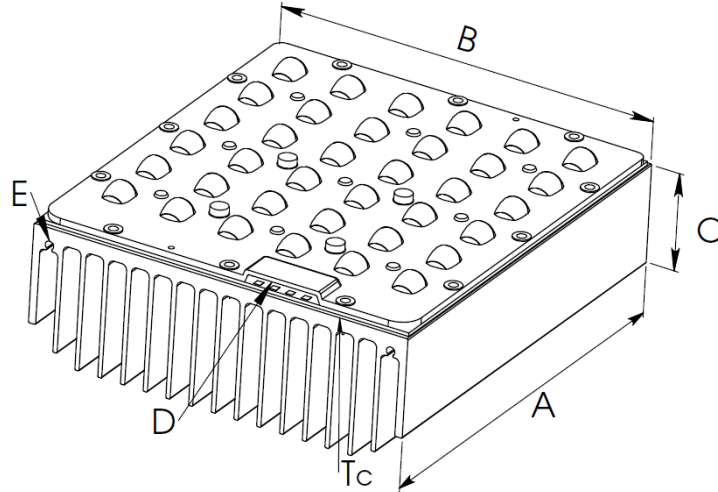
- IESNA LM-79 tested by an independent laboratory
- Lumen maintenance tested per LM80
- UL8750 recognized Class 1 - Pending
- IP65 rated

Warranty

- 5 year limited warranty

Applications

- Parking Garage and Canopy
- Street and Pathway
- Interior and Exterior Area Lighting



Dimensions

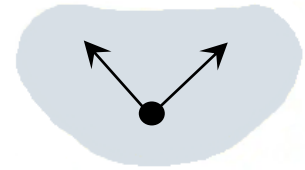
	Length A	Width B	Height C	Wire Egress D	Module Weight
ALK24	5.67" (144 mm)	7.09" (180 mm)	2.60" (66.10 mm)	1.43" (36.40 mm)	3.30 (1.49 kg)
ALK36	7.87" (200 mm)	7.09" (180 mm)	2.60" (66.10 mm)	1.43" (36.40 mm)	4.45 (2.00 kg)
ALK48	10.51" (267 mm)	7.09" (180 mm)	2.60" (66.10 mm)	1.43" (36.40 mm)	5.90 (2.68 kg)

D - wiring exit port denotes pole side

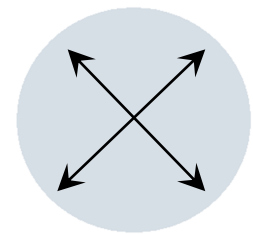
E - 4X mounting holes for use with 10-24 cutting screws

Optical Beam Pattern

Type III Distribution



Type V Distribution



ALK Series

Optical Parameters		Maximum Operating Conditions	
CCT Kelvin	4000 K 5000 K	Ambient Temperature °C	35°
CRI Minimum	80	Case Temperature °C	80°
Contact Heatron for other CCT and CRI options		Operation beyond recommended temperatures may result in reduced product performance and life	

ALK __ # of LEDs	Drive Current	Distribution Type	CCT	Lumens	B Backlight	U Uplight	G Glare	Forward Voltage	Watts
24	350 mA	3	4000 K	2559	1	2	1	71.2	25
		5	5000K	2589	2	1	1		
	500 mA	3	4000 K	3376	1	2	1	72.5	36
		5	5000 K	3416	2	1	1		
	700 mA	3	4000 K	4257	1	2	1	74.1	52
		5	5000 K	4307	2	2	1		
36	350 mA	3	4000 K	3839	1	2	1	106.8	37
		5	5000K	3884	2	2	1		
	500 mA	3	4000 K	5063	1	2	2	108.8	54
		5	5000 K	5123	3	2	1		
	700 mA	3	4000 K	6385	2	2	2	111.2	78
		5	5000 K	6461	3	2	1		
48	350 mA	3	4000 K	5118	2	2	2	142.3	50
		5	5000K	5178	3	2	1		
	500 mA	3	4000 K	6751	2	2	2	143.6	72
		5	5000 K	6831	3	2	1		
	700 mA	3	4000 K	8513	2	3	2	148.2	104
		5	5000 K	8614	3	2	2		

Values shown include optical and thermal losses at a stabilized 25° C. All LED modules are suitable for the drive current values shown. Actual drive current used is determined by the separately specified LED driver. Higher values up to 1000 mA may be possible, depending on thermal management of the complete luminaire assembly. Contact Heatron for IES files.

Ordering Information

Example: JDHT-ALK48-A1440-803-S02-NSA								
Internal	Series	Internal	Color Temperature (Kelvin)	Minimum CRI	Beam Angle	Wiring Port Location	Internal	Internal
JDHT	ALK24 ALK36 ALK48	A14	40 50	80	Type I - 1* Type II - 2* Type III - 3 Type IV - 4* Type V - 5	S Side	02 Module without driver	NSA

*Subject to minimum order quantity contact Heatron for details

In the effort to improve our products, Heatron reserves the right to make changes.



About Heatron LED Integration

Heatron LED Integration, a leader in LED lighting solutions, helps OEMs reduce cost and speed time to market while ensuring superior quality and performance. Our proficiency in the disciplines of optical, electrical and mechanical design, along with expertise in thermal management, provides you with a world-class LED light source.

Heatron offers various levels of integration ranging from the design and manufacture of LED light engine components to assisting customers with the design of complete LED lighting fixtures for commercial and industrial lighting applications.

Transforming Your Vision into Higher Performance Solutions. For more information about Heatron LED Integration, its products, services and manufacturing, visit www.heatron.com.

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