KAI-2T40RG/7PRS



Color: Roadway gray

Weight: 6.4 lbs

Project:	**Type:**
Prepared By:	**Date:**

Driver Info

Type	Constant Current
120V	0.34A/0.25A/0.17A
208V	0.20A/0.15A/0.11A
240V	0.17A/0.13A/0.09A
277V	0.15A/0.11A/0.08A
Input Watts	20.6-40.2W

LED Info

Watts	40/30/20W
Color Temp	3000K/4000K/5000K
Color Accuracy	82-84 CRI
L70 Lifespan	100,000 Hours
Lumens	3209-6221 lm
Efficacy	143.5-168.3 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:
Field Adjustable Light Output:
40/30/20W (factory default 40W)
Color Temperature Adjustable:
3000K, 4000K and 5000K (factory default 4000K)

Compliance

UL Listed:
Suitable for wet locations

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

IP Rating:
Ingress protection rating of IP66 for dust and water

Trade Agreements Act Compliant:
This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act

Electrical

Driver:
Constant Current, Class1, 120-277V, 50/60 Hz:
40W: 120V: 0.34A, 208V: 0.20A, 240V: 0.17A, 277V: 0.15A
30W: 120V: 0.25A , 208V: 0.15A, 240V: 0.13A, 277V: 0.11A
20W: 120V: 0.17A, 208V: 0.11A, 240V: 0.09A, 277V: 0.08A

Dimming Driver:
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

Surge Protection:
10 kV

Aux Power Supply:
Yes

Dim to Off:
Yes

7-Pin Receptacle with Shorting Cap:
ANSI C136.41 7-pin receptacle, compatible with wireless control systems

Optical

IES Classification:
The Type II distribution is ideal for wide walkways, on ramps and entrance roadways, bike paths and other long and narrow lighting applications. This type is meant for lighting larger areas and usually is located near the roadside. This type of lighting is commonly found on smaller side streets or jogging paths.

BUG Rating:
70W: B2-U0-G2
60W: B2-U0-G2
50W: B2-U0-G1

LED Characteristics

LEDs:
Long-life, high-efficacy, surface-mount LEDs

Color Uniformity:
RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Performance

Lifespan:
100,000-Hour LED lifespan based on IESlm-80 results and TM-21 calculations

Copyright © 2026 RAB Lighting All Rights Reserved Note: Specifications are subject to change at any time without notice

Technical Specifications (continued)

Wattage Equivalency:
150W HID

Construction

IK Rating:
IK08 Protected against 5 joules of impact. Equivalent to the impact of a 3.75 lbs. (1.7kg) mass dropped from 11.8" (300mm) above the impacted surface.

Cold Weather Starting:
The minimum starting temperature is -40°F (-40°C)

Ambient Temperature:
Suitable for use in up to 104°F (40°C)

Housing:
Die-cast aluminum

Tilt Increment:
Rotates in 2.5 degree increments

Effective Projected Area (EPA):
EPA = 0.37

Lens:
Clear polycarbonate lens

Vibration Rating:
3G vibration rating per ANSI C136.31

Gaskets:
High-temperature silicone

Finish:
Formulated for high durability and long-lasting color

Green Technology:
Mercury and UV free. RoHS-compliant components.

Installation

Mounting:
Adjustable universal pole mount

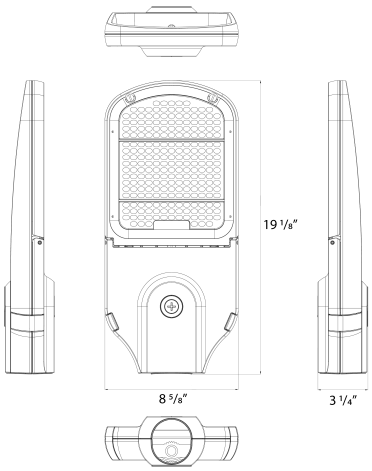
Other

10-Year Limited Warranty:
The RAB 10-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Copyright © 2026 RAB Lighting All Rights Reserved Note: Specifications are subject to change at any time without notice

KAI-2T40RG/7PRS

Dimensions



Features

- 100,000-Hour LED lifespan
- DLC Premium
- 0-10V dimming
- CALLOUT>IP66 Rating protects against dust & water ingress
- Industry-leading 3G vibration rating per ANSI C136.31
- IK10 Rating

Ordering Matrix

Family	Distribution	Size/Wattage	Mounting	Color Temp	Finish	Driver	Controls
KAI	2T	40			RG		/7PRS
	2T = Type II **4T =** Type IV **3T =** Type III	**40 =** 40/30/20W **70 =** 70/60/50W **100 =** 100/80/60W **150 =** 150/120/100W **200 =** 200/180/160W	**Blank =** Adjustable Pole Mount	**Blank =** 3000/4000/5000K	**Blank =** Bronze **RG =** Roadway Gray	**/480 =** 480V, 0-10V Dimming **Blank =** 120-277V, 0-10V Dimming	**Blank =** None **/7PRS =** 7-Pin Receptacle with Shorting Cap **/LCBS =** Lightcloud Blue w/PIR Sensor **/LCBS/MVS =** Lightcloud Blue w/MVS Sensor

Copyright © 2026 RAB Lighting All Rights Reserved Note: Specifications are subject to change at any time without notice