TK22SB/RGB



Color: Black

Weight: 1.0 lbs

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

Driver Info

Type	Constant Voltage
120V	0.07A
208V	N/A
240V	N/A
277V	N/A
Input Watts	4.3-10.8W

LED Info

Watts	10W
Color Temp	2200-5000K
Color Accuracy	90 CRI
L70 Lifespan	100,000 Hours
Lumens	61-569 lm
Efficacy	14.2-61.6 lm/W

Technical Specifications

Lightcloud

Gateway Required:
No

Communication Protocol:
Bluetooth

SmartShift:
SmartShift Ready to easily configure automated lighting profiles to automatically adjust brightness and color temperature for circadian and aesthetic needs.

Light Shows:
No, this product is not compatible with dynamic color changing Light Shows. Contact RAB for more information.

Remote Control Access:
Yes, with additional devices, sold separately. Contact RAB for more information.

Range:
Indoor: Up to 60 feet between standard building materials. Building materials such as brick, concrete, and steel construction may require additional Lightcloud Blue devices to extend around an obstruction; Up to 200 feet clear line of sight.

Outdoor: Up to 200 feet clear line of sight; Up to 120 feet around corners

Performance

Product Type:
Track Light, RGBW

Description:
Featuring three sizes, selectable wattage, CCT, and RGB models with Bluetooth Mesh control, TRACK22 delivers exceptional flexibility and performance for retail, gallery, and residential applications.

Wattage Equivalency:
50W Halogen

Input Wattage:
10W

Lumens (Nominal):
664lm

Efficacy:
69lm/W

L70 Lifespan:
100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

Electrical

Driver:
Constant Voltage 120-277V 60 Hz; 120V: 140mA

THD:
≤20%

Power Factor:
≥0.9

Dimmable:
Yes, using Lightcloud Blue. This product will not operate properly when connected to a standard (incandescent) dimmer or dimming control.

Input Voltage:
120-277V

Operating Temperature:
-4°F to 104°F (-20 to 40°C)

Flicker:
≤30%

Surge Protection:
L-N:2.5 kV,LN-PE 2.5 kV

LED Characteristics

Beam Distribution:
Default: 60°
Adjustable between 24° to 60° by rotating beam angle ring on the body of the track light.

Tilt:
330° rotation and a 180° swing

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Technical Specifications (continued)

Color Temperature:
Default: 4000K
Adjustable using Lightcloud Blue Tunable White 2200 - 5000K

Color Tuning:
Yes, 16+ million colors using the Lightcloud Blue mobile app

Color Accuracy (CRI):
90 CRI

Natural Spectrum:
No

R9 Value:
High color performance with R9 greater than 50

Color Consistency:
<6-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

LEDs:
Long-life, high-efficacy, COB (Chip on Board) LEDs

Installation

Mounting:
Easy twist and lock installation to H-Track, sold separately.

Construction

Enclosure Material:
Aluminum

Lens:
Polymethyl Methacrylate (PMMA)

Number of Heads:
1

IK Rating:
IK06 Protected against 1 joules of impact. Equivalent to the impact of a 0.55 lbs. (.25kg) mass dropped from 15.8" (400mm) above the impacted surface.

Compliance

Listings:
UL Listed

Environment:
Suitable for use indoors in dry environments.

Fixture Rating:
Suitable for use in open fixtures

IP Rating:
Ingress protection rating of IP20 for protection against solid objects larger than 12.5mm

Energy Star Approved:
No

DLC Listed:
No

California Title 20 Compliant:
No

California Title 24 JA8 Compliant:
No

California Energy Commission (CEC) Status:
Lawful for Sales in California

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.

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

FCC:
Complies with Part 15 of the FCC Rules

Other

Optical Accessories:
TK22[S/M/L][B]-HC
TK22 Honeycomb lens

TK22[S/M/L][B]-WW
TK22 Wall wash

TK22[S/M/L][B]-S
TK22 Snoot

TK22[S/M/L][B]-BD
TK22 Barn door

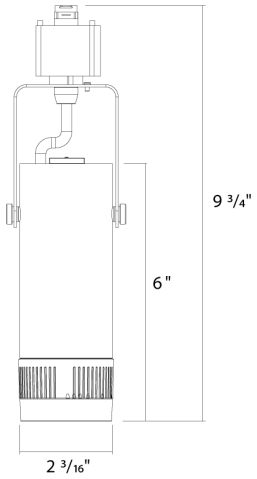
Mounting Kit:
TK22[S/M/L][B]-CM-KIT
TK22 Ceiling mount kit

5-Year Limited Warranty:
The RAB 5-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.

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Dimensions



Features

Three sizes and adjustable beam angles (24°-60°) — precision-tuned to the needs of any space.

330° rotation and 180° swing deliver exact, adaptable aiming for accent, spot, or wall wash applications.

Offer 16+ million colors or tunable white from 2200K-5000K for design-forward environments.

Per-fixture granular control via Lightcloud Blue Bluetooth Mesh — no hub, gateway, or additional infrastructure required.

A fully coordinated ecosystem — compatible RAB track system, multiple mount types, and purpose-built optic accessories.

Ordering Matrix

Family	Wattage	Mount	Color Temp	Optics	Finish	Driver	Controls
TK22	S				B		/RGB
	S = 10W **M =** 20W **L =** 30W	**Blank =** H-Track Mount	**Blank =** 2700/3000/3500/4000/5000K CCT Adjustable	**Blank =** 15-55° Adjustable	**Blank =** White **B =** Black	**Blank =** 120V, TRIAC Dimming	**/RGB =** 16+ Million Colors w/Lightcloud Blue

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