# TK22LB/RGB



Color: Black

Weight: 2.5 lbs

| | |
|---|---|
| **Project:** | **Type:** |
| **Prepared By:** | **Date:** |

### Driver Info

| | |
|---|---|
| Type | Constant Voltage |
| 120V | 0.15A |
| 208V | N/A |
| 240V | N/A |
| 277V | N/A |
| Input Watts | 11.7-31.1W |

### LED Info

| | |
|---|---|
| Watts | 30W |
| Color Temp | 2200-5000K |
| Color Accuracy | 90 CRI |
| L70 Lifespan | 100,000 Hours |
| Lumens | 194-1658 lm |
| Efficacy | 16.4-61.1 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:**
125W Incandescent

**Input Wattage:**
30W

**Lumens (Nominal):**
1,926lm

**Efficacy:**
62lm/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: 340mA

**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

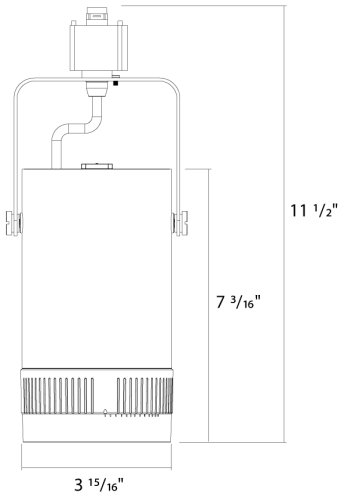
TK22[S/M/L][B]-BD
TK22 Barn door

**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 | L | | | | B | | /RGB |
| | **S =** 10W<br>**M =** 20W<br>**L =** 30W | **Blank =** H-Track Mount | **Blank =** 2700/3000/3500/4000/5000K CCT Adjustable | **Blank =** 15-55° Adjustable | **Blank =** White<br>**B =** Black | **Blank =** 120V, TRIAC Dimming | **/RGB =** 16+ Million Colors w/Lightcloud Blue |


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