



Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant Voltage	Watts	10W
120V	0.06A	Color Temp	2200-6500K
208V	0.00A	Color Accuracy	90 CRI
240V	0.00A	L70 Lifespan	100,000 Hours
277V	0.00A	Lumens	319-405 lm
Input Watts	7W	Efficacy	45.6-57.9 lm/W

Technical Specifications

Lightcloud

Lightcloud Blue:

Lightcloud Blue is a Bluetooth® Mesh lighting control system designed for fast setup and flexibility. Install quickly with no gateways, hubs, or additional control wiring. Start with a single device and easily scale to control entire buildings. Learn more at rablighting.com/lcb.

DLC system - N1XMLOEATBA (Interior);
NHCZ2BIA17L (Exterior)

Gateway Required:
No

Communication Protocol:
Bluetooth Mesh

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

Technical Specifications (continued)

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

Color Temperature:

Default: 4000K

Adjustable using Lightcloud Blue Tunable White
2200 - 6500K

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

Shape:

Cylinder

Finish:

Black

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:

This product family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at [designlights.org](https://www.designlights.org) to confirm the qualification status of a specific SKU prior to specification or purchase.

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:

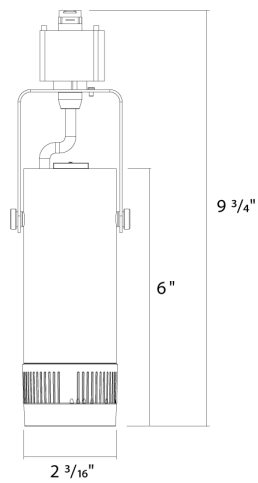
TK22[S/M/L][B]-CM-KIT

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.

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-6500K 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						/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