



Color: Black

Weight: 1.0 lbs

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

| Driver Info |                  | LED Info       |                |
|-------------|------------------|----------------|----------------|
| Type        | Constant Voltage | Watts          | 10W            |
| 120V        | 0.07A            | Color Temp     | 2200-6500K     |
| 208V        | 0.00A            | Color Accuracy | 90 CRI         |
| 240V        | 0.00A            | L70 Lifespan   | 100,000 Hours  |
| 277V        | 0.00A            | Lumens         | 61-569 lm      |
| Input Watts | 4.3-10.8W        | Efficacy       | 14.2-61.6 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](http://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://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

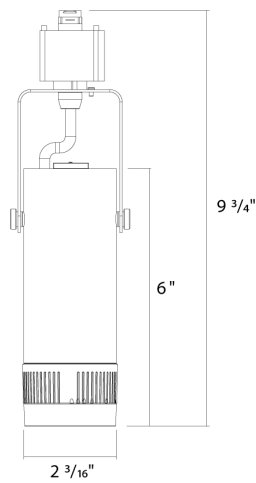
Mounting Kit:

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](https://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                             |                       |                                                  |                           | 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 |