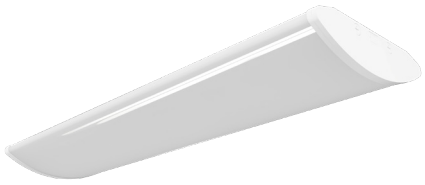
ALBERT Field-Adjustable Wrap

ALB2



ALB4



PROJECT:

DATE:

TYPE:

PREPARED BY:

FIELD ADJUSTABLE | 100,000 HOURS | DAMP RATED | 120-277V | LIGHTCLOUD BLUE | OCC SENSOR

KEY FEATURES

- Available in two sizes with selectable wattages:
  2 Ft: 25/20/15W (Default: **25W**)
  4 Ft: 50/40/30W (Default: **50W**)
- Adjustable **CCT:** 3000/3500/4000/5000/6500K (Default: **4000K**)
- Stand-alone or networked control. All models available with **microwave** or **PIR** motion sensor and **Lightcloud-enabled** controls.
- 6-pin connector for daisy chaining
- UL Listed for **dry** / **damp** locations
- **0-10V** dimming
- 5-Year, limited warranty

PERFORMANCE

Catalog Number	Size	Wattage	Lumens	Efficacy	Color Temperature	CRI	L70 Lifespan
ALB2	2 ft	25/20/15W	2,322 - 3,601	145.4 - 148.5	CCT adjustable 3000/3500/4000/5000/6500K	>80 CRI	100,000 Hrs
ALB4	4 ft	50/40/30W	4,466 - 7,218	149.8 - 154.2			

PHOTOMETRIC

ALB2	3000K	3500K	4000K	5000K	6500K	3000K	3500K	4000K	5000K	6500K	3000K	3500K	4000K	5000K	6500K
WATTAGE	25W					20W					15W				
INPUT WATTS	24.5W	24.5W	24.5W	24.5W	24.5W	20.9W	20.9W	20.9W	20.9W	20.9W	15.8W	15.8W	15.8W	15.8W	15.8W
LUMEN	3,562	3,573	3,580	3,591	3,601	3,063	3,072	3,078	3,088	3,097	2,322	2,329	2,334	2,341	2,347
EFFICACY	145.4	145.8	146.1	146.6	147.0	146.6	147.0	147.3	147.8	148.2	147.0	147.4	147.7	148.2	148.5
CRI	83	85	86	85	83	83	85	86	85	83	83	85	86	85	83
VOLTAGE RATING	120-277V														

ALBERT Field-Adjustable Wrap

PHOTOMETRIC *(cont'd)*

ALB4	3000K	3500K	4000K	5000K	6500K	3000K	3500K	4000K	5000K	6500K	3000K	3500K	4000K	5000K	6500K
WATTAGE	50W					40W					30W				
INPUT WATTS	47.6W	47.6W	47.6W	47.6W	47.6W	29.4W	29.4W	29.4W	29.4W	29.4W	38.2W	38.2W	38.2W	38.2W	38.2W
LUMEN	7,132	7,151	7,172	7,194	7,218	4,466	4,478	4,491	4,505	4,520	5,820	5,836	5,853	5,871	5,890
EFFICACY	149.8	150.2	150.7	151.1	151.6	151.9	152.3	152.8	153.2	153.7	152.4	152.8	153.2	153.7	154.2
CRI	83	85	86	85	83	83	85	86	85	83	84	85	86	85	83
VOLTAGE RATING	120-277V														

TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed
Suitable for dry/damp locations

DLC Listed (only 4ft models)
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 to confirm the qualification status of a specific SKU prior to specification or purchase.

LED CHARACTERISTICS

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

Color Consistency
4-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

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 C78.377-2024.

Color Temperature
Field adjustable 3000/3500/4000/5000/6500K
Default: 4000K

Color Accuracy (CRI)
80+ CRI

FACTORY SETTINGS

Power
2 ft: 25/20/15W (25W default)
4 ft: 50/40/30W (50W default)

Field-adjustable CCT
3000/3500/4000/5000/6500K (4000K default)

CONSTRUCTION

Cold Weather Starting
The minimum starting temperature is -4°F (-20°C)

Cold Weather Starting w/battery back-up
The minimum starting temperature is 32°F (0°C)

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

Maximum Ambient Temperature w/battery back-up
Suitable for use in up to 104°F (40°C)

Mounting
Surface mounting standard. ALB VHOOK KIT ordered separately for VHOOK mounting.

Housing
Cold Rolled Carbon Steel Sheets and Strip (SPCC)

Lens
Frosted Polycarbonate

Finish
Formulated for high durability and long-lasting color

Green Technology
Mercury and UV free. RoHs-compliant components.

TECHNICAL SPECIFICATIONS *(cont'd)*

ELECTRICAL

Drivers
Constant Current, Class 2, Class P, 120-277V, 50/60 Hz,
ALB2 25W: 120V: 0.23A, 208V: 0.13A, 240V: 0.11A, 277V: 0.10A
ALB2 20W: 120V: 0.18A, 208V: 0.11A, 240V: 0.09A, 277V: 0.08A
ALB2 15W: 120V: 0.14A, 208V: 0.08A, 240V: 0.07A, 277V: 0.06A

ALB4 50W: 120V: 0.46A, 208V: 0.26A, 240V: 0.23A, 277V: 0.20A
ALB4 40W: 120V: 0.37A, 208V: 0.21A, 240V: 0.18A, 277V: 0.16A
ALB4 30W: 120V: 0.28A, 208V: 0.16A, 240V: 0.14A, 277V: 0.12A

Dimming Driver
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 5%.

THD
ALB2: 11.8% at 120V, 9.6% at 277V
ALB4: 5.9% at 120V, 7.1% at 277V

Power Factor
ALB2: 98.9% at 120V, 92.2% at 277V
ALB4: 99.6% at 120V, 95.4% at 277V

Battery Backup Light Loss Factor
ALB2
25W: 15%
20W: 18%
15W: 23%

ALB4
50W: 19%
40W: 24%
30W: 31%

Surge Protection
1 kV L-L 2kV L/N-G

OCCUPANCY SENSOR

Sensor Type: Passive Infrared (PIR) or Microwave (MVS)

Input Voltage: 12VDC

Operating Frequency: 50/60Hz

Input Current: 30mA

Operating Temperature: -40°F to 140°F (-20°C to 60°C)

Max Mounting Height: 13 ft. (12 ft for PIR & MVS)

Detection Range: Radius 6.56-13 ft. 12ft for /PIR and /LCBS
Radius 7.94-22.96 ft for /MVS and /LCBS/MVS.

Daylight Sensing: Dim levels will continuously adjust based on the daylight threshold level set in the Lightcloud Blue mobile app.

Default Settings:
Motion Sensitivity: High
Brightness when triggered : 100%
Hold time: 20 minutes
Standby to dim: 20%
Standby time: 1 minute
When vacant: Off

Adjustable Settings: Settings for Lightcloud Blue-enabled sensors can be adjusted using the mobile app. All other sensors will require MSR1 Remote to adjust the following sensor settings:
Standby to dim: 10%/20%/30%/50%
Standby time: 0s/10s/30s/1min/5min/10min/30min/60min/+∞
Daylight Threshold: 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable

LIGHTCLOUD BLUE

Lightcloud Blue
Lightcloud Blue (LCB) is a Bluetooth Mesh wireless lighting control system that allows you to control RAB's various compatible devices. With RAB's patented Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and large commercial applications using the Lightcloud Blue mobile app. Each device in a system can communicate with any other device, eliminating the need for a Gateway or Hub and maximizing the control system's reach.

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

Learn more at www.lightcloud.com

OTHER

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.

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

ALBERT Field-Adjustable Wrap

WIRELESS NETWORK LIGHTING CONTROLS

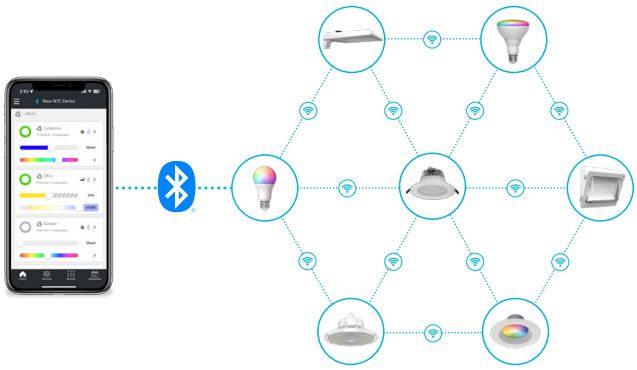
Lightcloud products offer integrated network lighting control for a truly wireless solution that allows you to manage RAB's various compatible devices. With RAB's patented Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and commercial applications. Each device can communicate with other devices in the mesh network. With two Lightcloud systems to choose from, it's easy to implement controls anywhere.

Learn more about Lightcloud wireless networked lighting controls.

Design Lights Consortium Network Lighting Controls:

- Interior Applications: N1XMLOEATB
- Exterior Applications: NHCZ2BIA17L

Lightcloud®



- Utilizes Bluetooth Mesh, eliminating the need for a Gateway or Hub
- Ideal for applications that need basic wireless control such as ON/OFF, dimming, color tuning, Schedules, and SmartShift
- Download the Lightcloud Blue mobile app for iOS or Android devices
- Add the XDIM/BRIDGE/LCB and LCGATEWAY to adopt premium Lightcloud Enterprise features

SIMPLE SETUP

1. Download the app.



2. Connect product to power.



3. Pair product to app.



4. Enjoy!



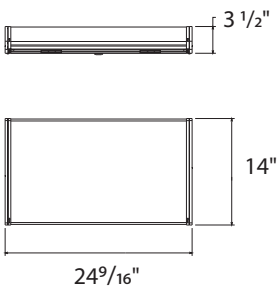
Learn more about Lightcloud Blue. Visit the Lightcloud Blue Resources page for more information on how to use the system.

ALBERT Field-Adjustable Wrap

DIMENSIONS

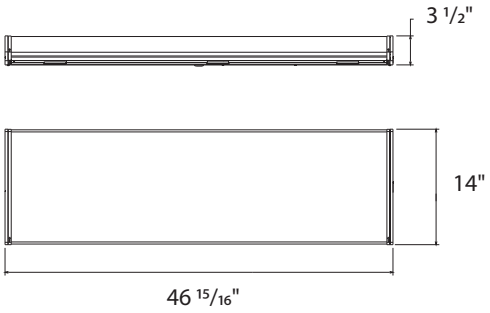
ALB2

Weight: 5.2 lbs

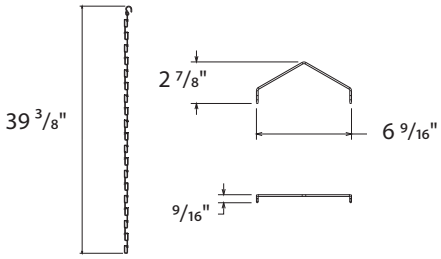


ALB4

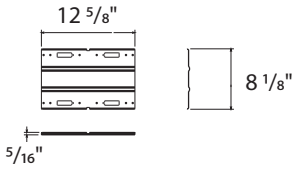
Weight: 9.2 lbs



ALB VHOOK KIT



ALB JOIN KIT



ACCESSORIES



ALB JOIN KIT



ALB VHOOK KIT



MSR1

Catalog Number	UPC	Description
ALB JOIN KIT	192552064118	ALBERT WRAP JOINT KIT WITH NUTS WHITE
ALB VHOOK KIT	192552064101	ALBERT WRAP VHOOK KIT WHITE 2-VHOOK 2-40" CHAINS
MSR1	192552026055	MULTI SENSOR REMOTE 1P20

ORDERING MATRIX

Family	Size/ Wattage	Color Temp	Finish	Driver	Controls	Battery Backup
ALB						
	2 2', 25/20/15W	**Blank** CCT Adjustable	**Blank** White	**Blank** 120-277V, 0-10V Dimming	**Blank** None	**Blank** None
	4 4', 50/40/30W				**/MVS** Microwave Sensor	**/E** Battery Backup
					/PIR Passive Infrared Sensor	
					/LCBS Lightcloud Blue w/PIR Sensor	
					/LCBS/MVS Lightcloud Blue w/MVS Sensor	