

RGBW Tunable Lamps



PROJECT:

DATE:

TYPE:

PREPARED BY:



KEY FEATURES

- Drop-in replacement for incandescent and halogen lamps
- 16+ million colors plus tunable white (2200–6500K)
- Connect wirelessly via Bluetooth
- SmartShift for circadian and aesthetic lighting profiles
- Create custom scenes and schedules from the app
- Works with Lightcloud Blue dimmers, keypads, and sensors (sold separately)

Simple, wireless color



* PAR lamps only

PERFORMANCE

Catalog Number	Equivalency	Input Wattage	Lumens	Efficacy	Input Voltage	Color Temperature	Base Type	L70 Lifespan
A19GU24/RGB	60W Incandescent	8W	800 lm	100 lm/W	120V	Tunable White 2200 - 6500K 16+ million colors*	GU24 Bi-Pin	25,000 hrs
LCBA19-9-E26-9RGB-SS	60W Incandescent	8W	800 lm	100 lm/W			E26 Edison	25,000 hrs
LCBBR30-7-E26-9RGB-SS	65W Halogen	7W	650 LM	93 lm/W			E26 Edison	25,000 hrs
B11/RGB	40W Incandescent	3.8W	355 LM	93 lm/W			E12 Candelabra	15,000 hrs
PAR38/RGB	100W Incandescent	14W	1,150 LM	82 lm/W			E26 Edison	50,000 hrs
PAR30L/RGB	75W Incandescent	12W	960 LM	80 lm/W			E26 Edison	25,000 hrs
PAR30S/RGB	75W Incandescent	12W	960 LM	80 lm/W			E26 Edison	25,000 hrs
PAR20/RGB	50W Incandescent	7W	560 LM	80 lm/W			E26 Edison	25,000 hrs

*Using Lightcloud Blue

TECHNICAL SPECIFICATIONS

FEATURES

Color Tuning

Choose from 16+ million colors to customize your space to fit every mood.

Tunable White

Adjust the color temperature from 2200K to 6500K via the Lightcloud Blue Remote or the mobile app.

Direct Connect

Use the Lightcloud Blue mobile app to connect to your lamps in minutes via Bluetooth; no Gateway or Hub required.

Mobile App Control

Use the Lightcloud Blue mobile app to configure features for On/Off Control, Dim Level, Color Temperature, Schedules, Scenes, SmartShift and more.

SmartShift Circadian Lighting

Automatically tunes the color and intensity of lights throughout the day, mimicking the sun's natural pattern.

Scalable

Devices within 60 feet of each other can communicate within the Bluetooth network to manage hundreds of thousands of devices per account.

LIGHTCLOUD BLUE

Gateway Required

No

Communication Protocol

Bluetooth Mesh

SmartShift

SmartShift is the most advanced – yet easiest to use – circadian lighting system, which syncs white color tuning with the local sunrise and sunset.

Light Shows

No, this product is not compatible with dynamic color-changing Light Shows. 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 60 feet clear line of sight; Up to 18 feet around corners

LED CHARACTERISTICS

Color Temperature

Default: 4000K

Adjustable using the Lightcloud Blue mobile app

Tunable White 2200 - 6500K

16+ million colors

Color Tuning

Yes, 16+ million colors using Lightcloud Blue

Color Accuracy (CRI)

>90

R9 Value

High color performance with R9 greater than 0

Color Consistency

<4-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

ELECTRICAL

Dimmable

Yes, via the Lightcloud Blue mobile app and devices. This lamp will not operate properly when connected to a standard (incandescent) dimmer or dimming control.

Power Factor

≥0.9

Input Voltage

120V

Operating Frequency

60Hz

Operating Temperature

A19/B11/BR30/PAR38: -4°F to 113°F (-20°C to 45°C)

PAR30L/PAR30S/PAR20: -4°F to 104°F (-20°C to 40°C)

Flicker

<30%

Maximum Beam Candela Power (MBCP)

PAR38: 1,350

PAR30L: 2,500

PAR30S: 2,500

CONSTRUCTION

Product Type

RGBW Smart Lamp: A-line

BR30: Reflector

PAR38: Parabolic lamp

B11: Decorative

Bulb Shape

A19, BR30, B11, PAR38, PAR30L, PAR30S, PAR20

Enclosure Material

Plastic and aluminum

Finish

White

Lens Finish

Frosted

Base Type

A19/BR30/PAR38/PAR30L/PAR30S/PAR20: E26 Edison

A19: GU24 Twistlock

B11: E12 Candelabra

Beam Angle

A19: 220°

BR30: 110°

B11: 250°

PAR38: 50°

PAR30L/PAR30S/PAR20: 25°

Installation

Simple to screw in the RGBW Tunable Lamp into a compatible socket. The circuit should be wired to constant power, bypass any existing wall switch/dimmer (*suggest replacing with a Lightcloud Blue dimmer or remote, contact RAB for more information.*)

TECHNICAL SPECIFICATIONS (cont'd)

COMPLIANCE

Listing

UL Listed

Environment

Suitable for use indoors and outdoors in dry, damp, or wet* environments.

Fixture Rating

Suitable for use in open and enclosed fixtures

T20 Compliant

Can be used to conform with the requirements of California Title 20.

T24 Compliant*

Can be used to conform with the requirements of California Title 24 Part 6.

California Energy Commission (CEC) Status

Lawful for Sale in California

FCC

Complies with Part 15 of the FCC Rules.

RoHS

Mercury and UV free. RoHS-compliant components.

*Select models, see product specification sheet

OTHER

Accessories

Combine with other Lightcloud Blue accessories to enhance system features and automations. Learn more at:

https://www.rablighting.com/controls/LIGHTCLOUD_BLUE_DEVICES

Warranty

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of three (3) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

ACCESSORIES

	Catalog Number	Finish	Description	Neutral Required	Notes
	ZDIM/LCB	White	Wireless paddle dimmer, 120-277V	✓	<ul style="list-style-type: none">Control an entire Area (up to 199 lights/ devices) or control the entire Site (up to 600 devices).Dimmer can be configured in the mobile app to be on/off switch only.
	ZDIMB/LCB	Black			
	ZDIMG/LCB	Gray			
	ZDIMLA/LCB	Light almond			
	ZDIM/LCBS	White	Wireless paddle dimmer w/PIR sensor, 120-277V		
	ZDIMB/LCBS	Black			
	ZDIMG/LCBS	Gray			
	ZDIMLA/LCBS	Light almond			
	LCBLUEREMOTE/W	White	Wireless remote, on/off, dimming, scene controller, 3V battery	—	<ul style="list-style-type: none">Control an entire Area (up to 199 lights/ devices) or control the entire Site (up to 600 devices).Two function buttons can be customized with up to 6 scenesAccessories: PLATE KIT/W/LCB, PEDESTAL/W/LCB
		KEYPAD/LCB	White	4-button Scene selector, 120-277V	✓

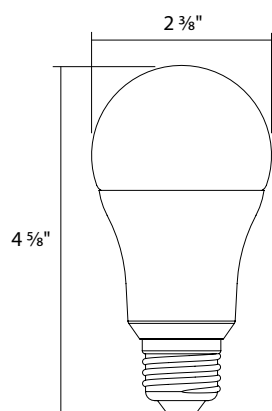
ACCESSORIES (cont'd)

	Catalog Number	Finish	Description	Neutral Required	Notes
	ZDIMSP/LCB	White	Self-powered dimmer switch	—	<ul style="list-style-type: none"> Control an entire Area (up to 199 lights/devices). Must be within ~30 ft. of at least one light/device in the Site.
	SENSE/PIR/W/LCB	White	Wireless occupancy sensor, CR2 battery	—	<ul style="list-style-type: none"> Control an entire Area (up to 199 lights/devices). Ceiling or wall mount with included screws or adhesive. Configure settings using mobile app
	PIRW12/LCB	White	PIR Occupancy and daylight sensor <12, 120-277V	✓	
	PIRW12/ARM/LCB	White	PIR Occupancy and daylight sensor <12 w/arm, 120-277V		
	PIRW40/LCB	White	PIR Occupancy and daylight sensor <40, 120-277V		
	MVSW50/LCB	White	MVS Occupancy and daylight sensor <50, 120-277V		
	NANO/LCB	White	Timekeeper, USB-A, Wi-Fi 2.4GHz 5V	—	<ul style="list-style-type: none"> Ideal to use for Schedules or SmartShift. Compatibility with smart home voice control

DIMENSIONS

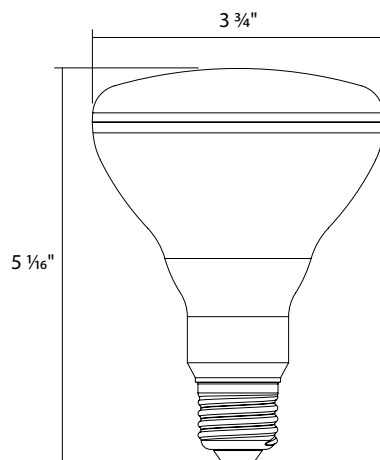
A19 - 8W

Weight: 0.19 lbs



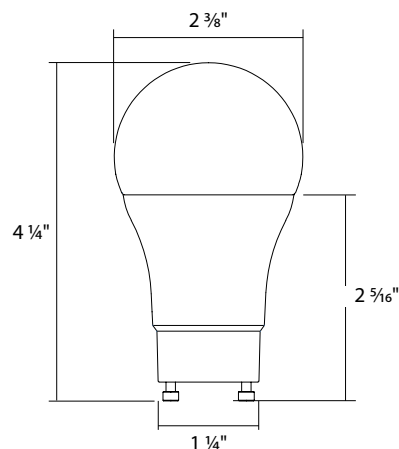
BR30 - 7W

Weight: 0.25 lbs



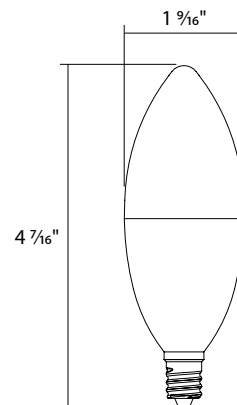
A19GU24/RGB

Weight: 0.19 lbs



B11/RGB

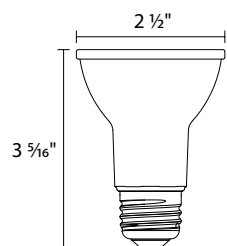
Weight: 0.17 lbs



DIMENSIONS (cont'd)

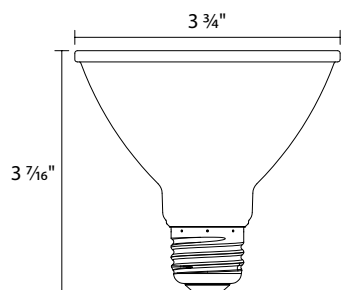
PAR20 - 7W

Weight: 0.16 lbs



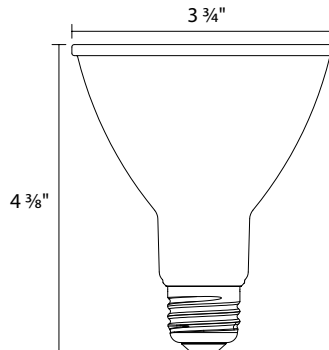
PAR30S - 12W

Weight: 0.28 lbs



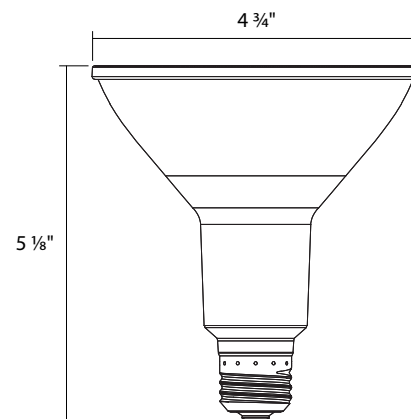
PAR30L - 12W

Weight: 0.31 lbs



PAR38 - 14W

Weight: 0.53 lbs



ORDERING INFO

Catalog Number	UPC	Case Pack
A19GU24/RGB	192552057233	12
B11/RGB	192552057226	24
LCBA19-9-E26-9RGB-SS	192552015783	12
LCBBR30-7-E26-9RGB-SS	192552015790	12
PAR38/RGB	192552039635	6
PAR30L/RGB	192552062459	12
PAR30S/RGB	192552062466	12
PAR20/RGB	192552062473	24

ORDERING MATRIX

Family	Wattage	Base Type	CRI/Color Temp	Driver	SmartShift	Color Tuning
B11	<div>Blank</div> <div>3.8W</div>	<div>Blank</div> <div>E12 Candelabra</div>	<div>Blank</div> <div>90 CRI; Tunable White</div>	<div>Blank</div> <div>120V</div>	<div>Blank</div> <div>SmartShift Ready</div>	<div>/RGB</div> <div>16+ million colors w/Lightcloud Blue</div>
LCBA19	<div>9</div> <div>8W</div>	<div>E26</div> <div>E26 Edison</div>	<div>9RGB</div> <div>90 CRI; Tunable White</div>	<div>Blank</div> <div>120V</div>	<div>Blank</div> <div>120V</div>	<div>/RGB</div> <div>16+ million colors w/Lightcloud Blue</div>
A19	<div>Blank</div> <div>8W</div>	<div>GU24</div> <div>Twistlock</div>	<div>Blank</div> <div>90 CRI; Tunable White</div>	<div>Blank</div> <div>120V</div>	<div>Blank</div> <div>120V</div>	<div>/RGB</div> <div>16+ million colors w/Lightcloud Blue</div>
LCBBR30	<div>7</div> <div>7W</div>	<div>E26</div> <div>E26 Edison</div>	<div>9RGB</div> <div>90 CRI; Tunable White</div>	<div>Blank</div> <div>120V</div>	<div>SS</div> <div>SmartShift Ready</div>	<div>/RGB</div> <div>16+ million colors w/Lightcloud Blue</div>
PAR38	<div>Blank</div> <div>14W</div>	<div>Blank</div> <div>E26 Edison</div>	<div>Blank</div> <div>90 CRI; Tunable White</div>	<div>Blank</div> <div>120V</div>	<div>Blank</div> <div>SmartShift Ready</div>	<div>/RGB</div> <div>16+ million colors w/Lightcloud Blue</div>
PAR30L	<div>Blank</div> <div>12W</div>	<div>Blank</div> <div>E26 Edison</div>	<div>Blank</div> <div>90 CRI; Tunable White</div>	<div>Blank</div> <div>120V</div>	<div>Blank</div> <div>SmartShift Ready</div>	<div>/RGB</div> <div>16+ million colors w/Lightcloud Blue</div>
PAR30S	<div>Blank</div> <div>12W</div>	<div>Blank</div> <div>E26 Edison</div>	<div>Blank</div> <div>90 CRI; Tunable White</div>	<div>Blank</div> <div>120V</div>	<div>Blank</div> <div>SmartShift Ready</div>	<div>/RGB</div> <div>16+ million colors w/Lightcloud Blue</div>
PAR20	<div>Blank</div> <div>7W</div>	<div>Blank</div> <div>E26 Edison</div>	<div>Blank</div> <div>90 CRI; Tunable White</div>	<div>Blank</div> <div>120V</div>	<div>Blank</div> <div>SmartShift Ready</div>	<div>/RGB</div> <div>16+ million colors w/Lightcloud Blue</div>