CCT-Adjustable Reflector Lamps



BR30 BR40 R20

PROJECT:

DATE:

TYPE:

PREPARED BY:

50W-150W, R20, BR30, BR40, 120V TRIAC Dimmable with 5 Selectable CCTs

CCT FIELD ADJUSTABLE | 90+ CRI | 25,000 HOURS* | DAMP RATED | DIMMABLE | ENCLOSED FIXTURE RATED | 120V

*R20 is 15,000 hrs

KEY FEATURES

- Selectable color temperature: 2700/3000/3500/4000/5000K
- Energy-efficient replacement for incandescent and halogen lamps
- Produces rich and vibrant colors >90 CRI
- Longer lifespan compared to legacy equivalents minimizes replacement and maintenance costs
- Phase dimmable down to 10%, see Dimmer Compatibility List

PERFORMANCE

Catalog Number	Shape	Wattage Equivalency	Input Wattage	Lumens	Efficacy	Color Temp.
R20-6-9CCT-DIM	R20	50W Incandescent	6W	530 lm	105 lm/W	Field adjustable via dip switch 2700/3000/ 3500/4000/5000K setting: 3000K
BR30-7-9CCT-DIM	BR30	65W Incandescent	7W	650 lm	93 lm/W	
BR30-14-9CCT-DIM		100W Incandescent	14W	1,400 lm	100 lm/W	
BR30-19-9CCT-DIM		150W Incandescent	19W	2,200 lm	116 lm/W	
BR40-11-9CCT-DIM	BR40	85W Incandescent	11W	1,080 lm	98 lm/W	
BR40-21-9CCT-DIM		150W Incandescent	21W	2,200 lm	105 lm/W	

Catalog Number	Lamp Wattage (W)	CCT (K)	Lumens (lm)	Efficacy (lm/w)	EQ Wattage (W)
R20-6-9CCT-DIM	6W	2700K	528 lm	93 lm/W	50W
		3000K	535 lm	94 lm/W	
		3500K	533 lm	95 lm/W	
		4000K	539 lm	95 lm/W	
		5000K	528 lm	93 lm/W	

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PERFORMANCE *(cont'd)*

Catalog Number	Lamp Wattage (W)	CCT (K)	Lumens (lm)	Efficacy (lm/w)	EQ Wattage (W)
BR30-7-9CCT-DIM	7W	2700K	666 lm	98 lm/W	65W
		3000K	694 lm	100 lm/W	
		3500K	732 lm	104 lm/W	
		4000K	724 lm	104 lm/W	
		5000K	677 lm	99 lm/W	

Catalog Number	Lamp Wattage (W)	CCT (K)	Lumens (lm)	Efficacy (lm/w)	EQ Wattage (W)
BR30-14-9CCT-DIM	14W	2700K	1,528 lm	114 lm/W	100W
		3000K	1,598 lm	121 lm/W	
		3500K	1,672 lm	128 lm/W	
		4000K	1,669 lm	127 lm/W	
		5000K	1,578 lm	118 lm/W	

Catalog Number	Lamp Wattage (W)	CCT (K)	Lumens (lm)	Efficacy (lm/w)	EQ Wattage (W)
BR30-19-9CCT-DIM	19W	2700K	2,337 lm	129 lm/W	150W
		3000K	2,389 lm	133 lm/W	
		3500K	2,434 lm	138 lm/W	
		4000K	2,408 lm	135 lm/W	
		5000K	2,300 lm	127 lm/W	

Catalog Number	Lamp Wattage (W)	CCT (K)	Lumens (lm)	Efficacy (lm/w)	EQ Wattage (W)
BR40-11-9CCT-DIM	11W	2700K	1,163 lm	121 lm/W	85W
		3000K	1,219 lm	124 lm/W	
		3500K	1,289 lm	128 lm/W	
		4000K	1,298 lm	129 lm/W	
		5000K	1,199 lm	123 lm/W	

Catalog Number	Lamp Wattage (W)	CCT (K)	Lumens (lm)	Efficacy (lm/w)	EQ Wattage (W)
BR40-21-9CCT-DIM	21W	2700K	2,380 lm	125 lm/W	150W
		3000K	2,484 lm	132 lm/W	
		3500K	2,601 lm	141 lm/W	
		4000K	2,585 lm	140 lm/W	
		5000K	2,427 lm	128 lm/W	

TECHNICAL SPECIFICATIONS

CONSTRUCTION

Product Type
Reflector, CCT-Adjustable

Shape
R20, BR30, BR40

Enclosure Material
Polycarbonate

Finish
White

Lens
Frosted

INSTALLATION

Base Type
E26 Edison

COMPLIANCE

Listings*
UL Listed
**Does not apply to R20*

ETL Listed*
This product has been tested by Intertek and found in compliance with accepted national standards.
**Only applies to R20*

Environment
Suitable for use indoors in dry and damp environments.

Fixture Rating
Suitable for use in enclosed fixtures.

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

California Title 24 JA8 Compliant
No

California Energy Commission (CEC) Status
Lawful for Sales in California

RoHS
Mercury and UV free. RoHS-compliant components.

FCC
Complies with Part 15 of the FCC Rules

ELECTRICAL

Dimmable
Yes, dimmable down to 10% on compatible TRIAC/ELV dimming systems. See Dimmer Compatibility List.

Input Voltage
120V

Operating Temperature
-4°F to 113°F *(-20°C to 45°C)*

Power Factor
0.7

Flicker
<30%

Driver
Constant Current 120V 60 Hz
BR30-7-9CCT-DIM: @ 120V: 80 mA
BR30-14-9CCT-DIM: @ 120V: 150 mA
BR30-19-9CCT-DIM: @ 120V: 220 mA
BR40-11-9CCT-DIM: @ 120V: 115 mA
BR40-21-9CCT-DIM: @ 120V: 220 mA
R20-6-9CCT-DIM: @ 120V: 63mA

LED CHARACTERISTICS

Beam Angle
100°

Color Temperature
Field adjustable via dip switch 2700/3000/3500/4000/5000K
Default setting: 3000K

Color Accuracy (CRI)
>90

R9 Value
High color performance with R9 no greater than 0

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

OTHER

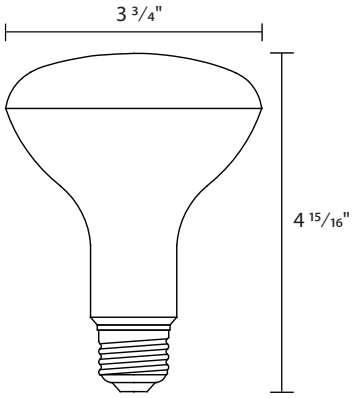
Warranty
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of three (3) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

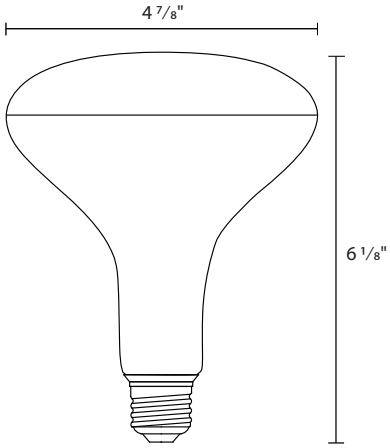
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DIMENSIONS

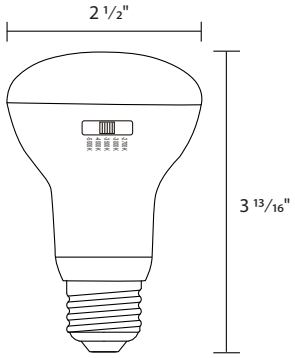
BR30-XX-9CCT-DIM
Weight: 0.22 lbs.



BR40-XX-9CCT-DIM
Weight: 0.26 lbs.



R20-6-9CCT-DIM
Weight: 0.10 lbs.



ORDERING INFO

Catalog Number	Model Number	UPC	Case Pack
BR30-7-9CCT-DIM	P10035(BR30-7-9CCT-DIM)	192552037648	24
BR30-14-9CCT-DIM	P10036(BR30-14-9CCT-DIM)	192552037655	24
BR30-19-9CCT-DIM	P10037(BR30-24-9CCT-DIM)	192552037662	24
BR40-11-9CCT-DIM	P10038(BR40-11-9CCT-DIM)	192552037679	24
BR40-21-9CCT-DIM	P10039(BR40-21-9CCT-DIM)	192552037686	24
R20-6-9CCT-DIM	P30011(R20-6-9CCT-DIM)	192552024341	10

ORDERING MATRIX

Family	Wattage		Base Type		Color Temp		Voltage/Dimming	
BR30							**DIM**	
	7	7W	**Blank**	E26 Edison	**Blank**	2700/3000/3500/4000/5000K	**DIM**	120V, TRIAC/ELV
	14	14W						
	19	19W						

Family	Wattage		Base Type		Color Temp		Voltage/Dimming	
BR40							**DIM**	
	11	11W	**Blank**	E26 Edison	**Blank**	2700/3000/3500/4000/5000K	**DIM**	120V, TRIAC/ELV
	21	21W						

Family	Wattage		Base Type		Color Temp		Voltage/Dimming	
R20	**6**						**DIM**	
	6	6W	**Blank**	E26 Edison	**Blank**	2700/3000/3500/4000/5000K	**DIM**	120V, TRIAC/ELV

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Dimmer Compatibility List

BR30 & BR40

		Dimmer compatibility						
Brand	Dimmer Cat NR	1 Lamp	2 Lamp	3 Lamp	4 Lamp	5 Lamp	6 Lamp	Dimming Level
LEVITON	6633-P	✓	✓	✓	✓	✓	N/A	5%
LEVITON	6684	✓	✓	✓	✓	✓	N/A	0%
LUTRON	AY-600P	✓	✓	✓	✓	✓	N/A	0%
LUTRON	CN-600	✓	✓	✓	✓	✓	N/A	2%
LUTRON	D-603PH	✓	✓	✓	✓	✓	N/A	8%
LUTRON	LGCL-153PL	✓	✓	✓	✓	✓	N/A	0%
LUTRON	DV-603PG	✓	✓	✓	✓	✓	N/A	6%
LUTRON	TT-300	✓	✓	✓	✓	✓	N/A	5%
LUTRON	GL-600H	✓	✓	✓	✓	✓	N/A	2%
LUTRON	AYCL-153P	✓	✓	✓	✓	✓	N/A	3%
LUTRON	TGCL-153P	✓	✓	✓	✓	✓	N/A	6%
LUTRON	MA-600	✓	✓	✓	✓	✓	N/A	6%
LEGRAND	D703-PTC	✓	✓	✓	✓	✓	N/A	10%
LEGRAND	DLV703-PLA	✓	✓	✓	✓	✓	N/A	4%
LUTRON	DVLV-600	✓	✓	✓	✓	✓	N/A	2%
LEVITON	6672	✓	✓	✓	✓	✓	N/A	3%
LEVITON	6613-P	✓	✓	✓	✓	✓	N/A	10%
LUTRON	LGCL-153PL	✓	✓	✓	✓	✓	N/A	6%
LUTRON	DVCL-153P	✓	✓	✓	✓	✓	N/A	0%
LEVITON	6631	✓	✓	✓	✓	✓	N/A	3%
COOPER	DLC03P	✓	✓	✓	✓	✓	N/A	1%
COOPER	9530WS	✓	✓	✓	✓	✓	N/A	5%
LEGRAND	H703PTCCCV6	✓	✓	✓	✓	✓	N/A	8%
RAB	XDIM	✓	✓	✓	✓	✓	N/A	7%

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Dimmer Compatibility List

R20

		Dimmer compatibility								
Brand	Dimmer Cat NR	1 Lamp	2 Lamp	3 Lamp	4 Lamp	5 Lamp	6 Lamp	Max Watt	Min Watt	Dimming Level <10%
LUTRON	MAELV-600	✓	✓	✓	✓	✓	N/A	N/A	N/A	N/A
LUTRON	CTCL-153P	✓	✓	✓	✓	✓	N/A	N/A	N/A	N/A
LUTRON	DVCL-153P	✓	✓	✓	✓	✓	N/A	N/A	N/A	N/A
LUTRON	TGCL-153P	✓	✓	✓	✓	✓	N/A	N/A	N/A	N/A
LEVITON	6672	✓	✓	✓	✓	✓	N/A	N/A	N/A	N/A
LEGRAND	IPL06	✓	✓	✓	✓	✓	N/A	N/A	N/A	N/A
RAB	XDIM	✓	✓	✓	✓	✓	N/A	N/A	N/A	N/A