

Rania A20 Lamp

PRODUCT DESCRIPTION

The Rania natural white light source offers dynamic illumination with omni-directional and semi-directional beam patterns—designed to adapt seamlessly to your lighting vision.

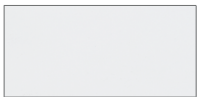
FEATURES

Exceptional White Light—Rania leverages a breakthrough three-channel solution, paired with proprietary optics and state of the art color mixing technology to deliver a wide CCT range and replicates natural white light more faithfully than any light source other than Ketra.

Natural Show—the lamp's wide color temperature range and native control enable it to participate in Lutron's Natural Show. Natural Show automatically adjusts the intensity and color temperature of the light over the course of the day. It can be used to bring the outside in by matching outdoor light—from the cool bright light at noon to the warm lower light in the evening.

TruBeam—produces uniform color across any available beam angle.

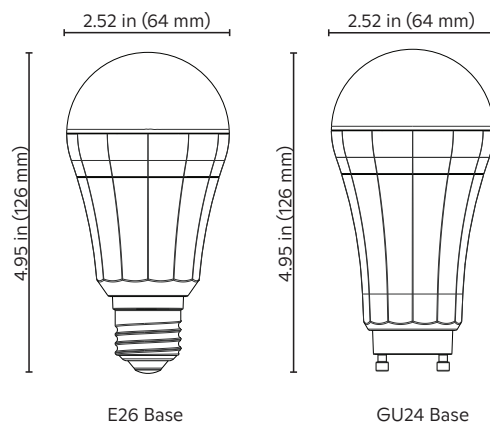
Finish



White



Black



SPECIFICATIONS¹

Optical Performance

Delivered Lumens ²	600 lm (omni-directional) 700 lm (semi-directional)
CRI (Ra) ³	>90 from 2700 K to 5000 K
R9	>80
Lumen Maintenance ³	50,000 hours to L70 @ 25 °C Ambient
CCT Range	1800 K to 5500 K
Equivalent Traditional Lamp	40 W / 60 W Incandescent lamp
Dimming Protocol	Wireless RF / CCX (Lutron Clear Connect-Type X)
Dimming Range	0.1-100%

Environmental

Ambient Temperature	32 to 122 °F (0 to 50 °C)
Extended Ambient Temperature ⁴	-13 to 32 °F (-25 to 0 °C)
Humidity	0-95%, Non-condensing
Certification	UL, cUL, RoHS, FCC Class B
Location	UL Damp Location, IP20
Outdoor / Indoor ⁴	Outdoor use available for residential enclosed/covered patio applications only
Warranty	5 year fixture, LED, and dimming warranty

Mechanical

Weight	8.39 oz (234 g)
Housing Material	Powder Coated Aluminum, Polymer
Lens Material	Non-yellowing PMMA
Base Type	E26 GU24

Electrical

Power consumption	A20 Omni-Directional - 8.5 W (600 lm) A20 Semi-Directional - 8.5 W (700 lm)
Power Factor	>0.9
Current	72 mA Max
Efficacy	A20 Omni-Directional - 82 lm/W (at 4000 K) A20 Semi-Directional - 97 lm/W (at 4000 K)
Emergency Lighting	Evaluated by UL [®] for use in emergency lighting systems in accordance with standard UL [®] 924 and CSA C22.2 No. 141 when paired with the LVS [™] model LUT-SHUNT-A-TD (UL [®] file E206507). ⁵

¹ All performance measurements taken at 3000 K, 25 °C ambient, 100% power input, unless otherwise stated.

² Lumen measurement complies with IES LM-79-08 testing procedures.

³ Lumen maintenance values calculated in accordance to TM-21 procedures based on LM-80 compliant measurement data.

⁴ Color accuracy not guaranteed in Extended Ambient Temperature range in outdoor applications.

⁵ See Lutron Application Note 106 (P/N 048106) at www.lutron.com for wiring details. This is only applicable to CCX fixtures used in an Athena system.

ORDERING GUIDE

Please download this PDF to use the interactive drop down features of the ordering guide.

	A20			GT		11		
Product Line	Model	LED Type	Location	System	Beam Angle	Region/Voltage	Base	Housing Finish

Order code: _____

Product Line	Code	Location	Code	Region/Voltage	
Commercial - coming soon (Athena and myRoom XC compatible)	CM-	Indoor	I	North America, 120 V~ 60 Hz	11
Residential (HomeWorks compatible)	HW-	Outdoor (HomeWorks resi products only) ²	O		
Model		System		Base	Code
A-Series Lamp	A20	CCX ³	GT	E26	E26
				GU24	G24
LED TYPE		Beam Angle		Housing Finish	
Rania Wide Tunable White	TW	Omni-Directional (600 lumens) ⁴	OD	White	WH
Rania Wide Tunable White High-Efficacy ¹	TH	Semi-Directional (700 lumens)	SD	Black	BK

¹ High-efficacy light sources are Title 20 and Title 24 JA8 complaint (tested at 4000 K)

² For residential enclosed/covered patio outdoor applications only. More details are available in the Environmental section of the Specifications page.

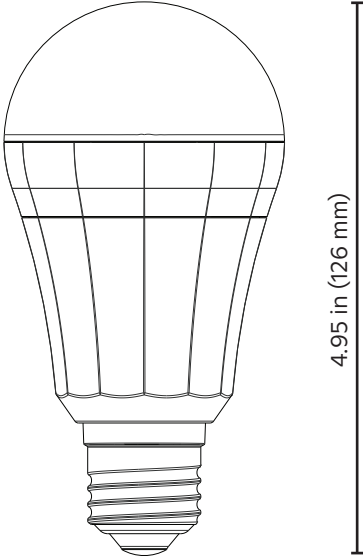
³ CCX stands for Clear Connect-Type X.

⁴ This option is not available for sale in California.

PRODUCT DIMENSIONS

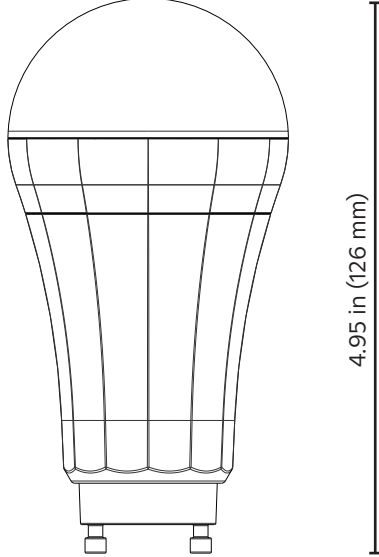
E26 BASE

2.52 in (64 mm)

A line drawing of an A20 lamp with an E26 base. The lamp has a spherical top, a ribbed body, and a standard screw base. A horizontal dimension line above the lamp indicates a width of 2.52 in (64 mm). A vertical dimension line to the right of the lamp indicates a height of 4.95 in (126 mm).

GU24 BASE

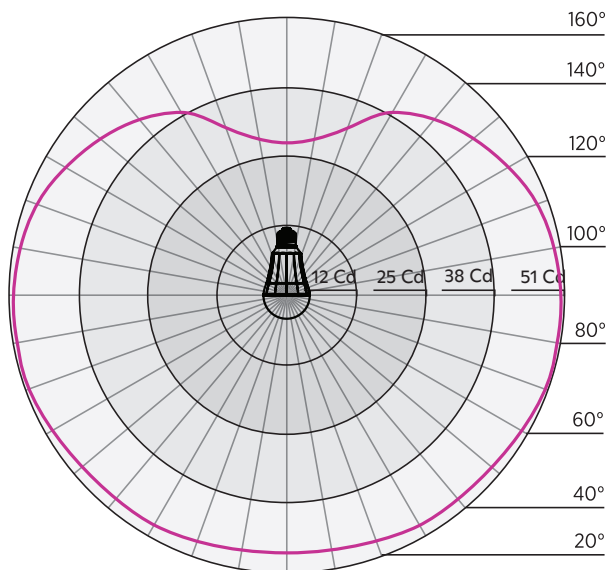
2.52 in (64 mm)

A line drawing of an A20 lamp with a GU24 base. The lamp has a spherical top, a ribbed body, and a pin base. A horizontal dimension line above the lamp indicates a width of 2.52 in (64 mm). A vertical dimension line to the right of the lamp indicates a height of 4.95 in (126 mm).

PHOTOMETRIC DATA: 3000 K VALUES ONLY

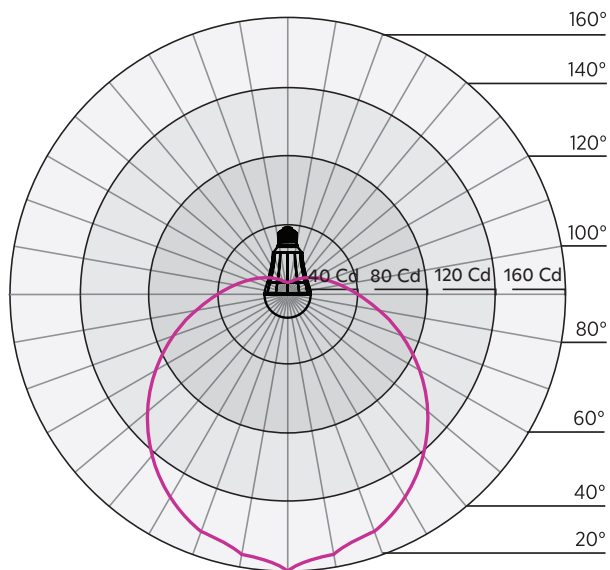
A20 - Omni-Directional

Model Number	Wattage	Delivered Lumens	Max Cd
A20.TW.OD	8.5 W	600	51



A20 - Semi-Directional

Model Number	Wattage	Delivered Lumens	Max Cd
A20.TW.SD	8.5 W	700	160



General Specifications

The Rania S20 lamp can easily be commissioned into Lutron HomeWorks, Athena, or myRoom systems.

Wireless Capability: LED light source has an integrated wireless control.

Color Rendering Index (CRI): Capable of CRI greater than 90 at any point along the Black Body Curve from 2700 K to 5000 K.

Single Source Multi-Die Modular Emitter/LED Module

Design: Employ a single source multi-die modular emitter/LED module consisting of LEDs binned to 3-step MacAdam ellipses.

LED Estimated Useful Life: Minimum of 50,000 hours at 70 percent lumen maintenance, calculated based on IES LM-80 test data.

Diagnostic reporting capability¹: Clear Connect-Type X (CCX) light sources provide diagnostics and built-in technology to check input voltage and wireless connectivity.

Limited Warranty: www.lutron.com/warranty or call 1.844.LUTRON1 (U.S.A./Canada) or +1.610.282.3800 (Others) for a printed copy.

Lighting System Capable of the Following Dimming Functionality:

1. Automatically mimicking natural daylight by shifting Correlated Color Temperature (CCT) and intensity based on time-of-day.
2. Shifting from high CCT at high intensity to low CCT at low intensity, mimicking dimming curve of an incandescent lamp.

Dimming Range: Dimmable from 100 to 0.1% measured luminous flux.

Color Point Range: Single light source capable of producing white light from 1800 K to 5500 K Correlated Color Temperature (CCT).

¹ For diagnostic support or more information, please contact Lighting Technical Support at lightingsupport@lutron.com or 1.844.LUTRON1 (1.844.588.7661).