

Rania S30 Lamp

PRODUCT DESCRIPTION

The Rania natural white PAR 30 LED retrofit solution delivers crisp, high-quality illumination with a range of beam angles to suit any design vision.

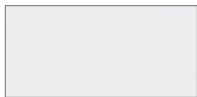
FEATURES

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.

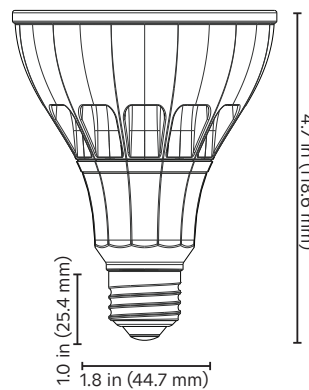
Finish



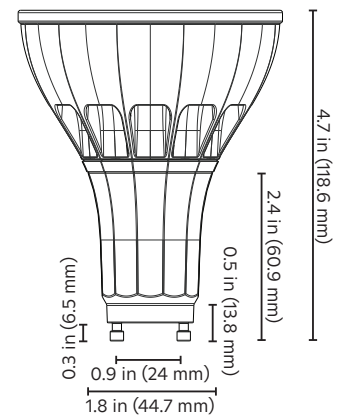
White



Black



E26 Base



GU24 Base

SPECIFICATIONS¹

Optical & Electrical Performance

Delivered Lumens ²	950 lm
CRI (Ra) ³	>90 from 2700 K to 5000 K
R9	>80
Lumen Maintenance ³	50,000 hours to L70 @ 25 °C TA
CCT Range	1800 K to 5500 K
Equivalent Traditional LED S30 Lamp	75 W halogen PAR30
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 ⁵

Weight	1.35 lbs (600 g)
Housing Material	Powder Coated Aluminum, Polymer
Lens Material	UL Damp Location, IP20
Base Type	E26 GU24

Electrical

Power Consumption	13.7 W (950 lm)
Power Factor	>0.9
Current	114 mA Max
Efficacy	82 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). ⁶

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 For lamp accessories, please refer to the S30 Accessories spec https://www.ketra.com/hubfs/Active%20PDFs/S30_Acc_Spec_3662390b.pdf

⁶ 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.

S30		GT		11			
Product Line	Model	LED Type / Lumens	Location	System	Beam Angle	Region/Voltage	Housing Finish

Order code: _____

Product Line	Code	Location	Code	Region/Voltage	Code
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) ³	O	Base	
Model		System		E26	E26
		CCX ⁴	GT	GU24	G24
S-Series PAR30 Long Neck LED S30 Lamp	S30	Beam Angle		Housing Finish	
LED Type / Lumens		Spot (15°)	SP	White	WH
Rania Wide Tunable White (950 lm) ¹	TW	Flood (25°)	FL	Black	BK
		Wide Flood (40°)	WFL		
Rania Wide Tunable White High-Efficacy (950 lm) ²	TH	Very Wide Flood (60°)	VFL		
		Extra Wide Flood (90° BR Style) ⁵	XFL		

¹ This option is not available for sale in California.

² High-efficacy light sources are Title 20 and Title 24 JA8 complaint (tested at 4000 K).

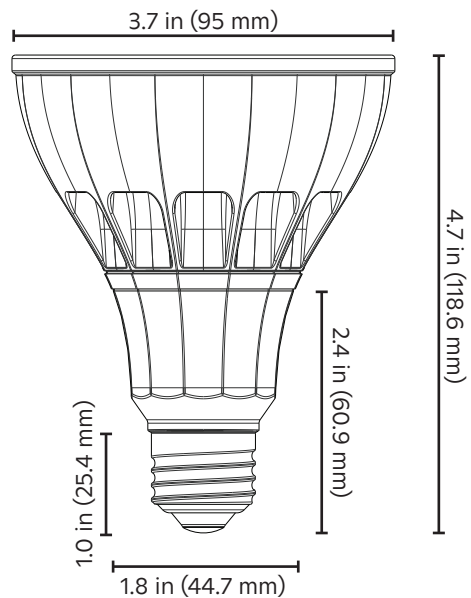
³ For residential enclosed/covered patio outdoor applications only. More details are available in the Environmental section of the Specifications page.

⁴ CCX stands for Clear Connect-Type X.

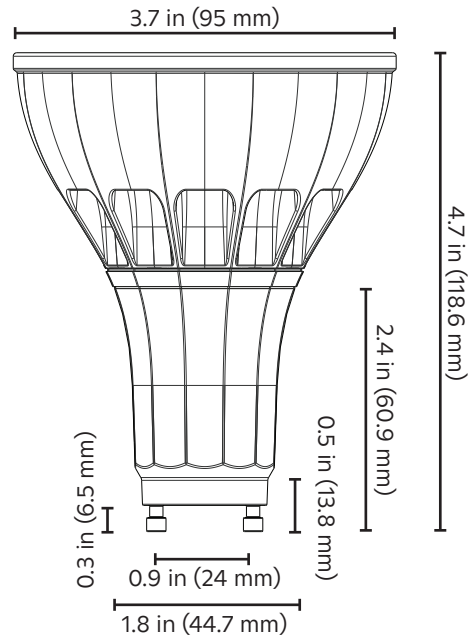
⁵ Extra Wide Flood beam angle is not available in the high-efficacy lumen options.

PRODUCT DIMENSIONS

E26 BASE



GU24 BASE

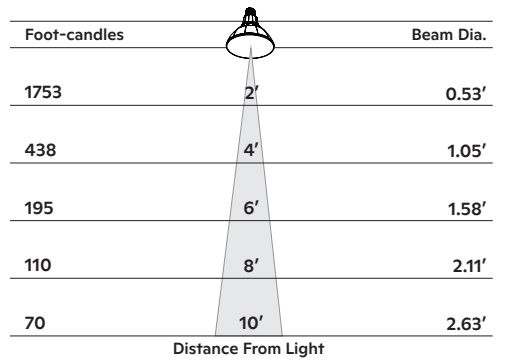


CAD files available upon request

PHOTOMETRIC DATA: 3000 K VALUES ONLY

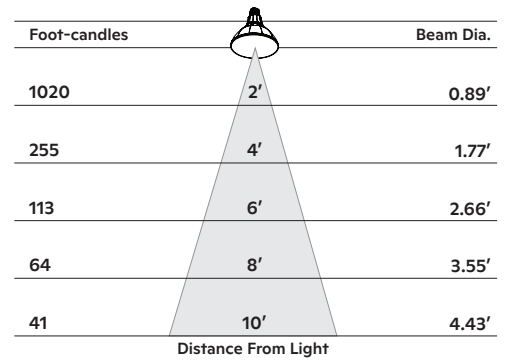
Beam Angle: 15° Spot (SP)

Model Number ¹	Wattage	Delivered Lumens	CBCP
S30TWIGTSP11E26WH	13.7 W	950	7013



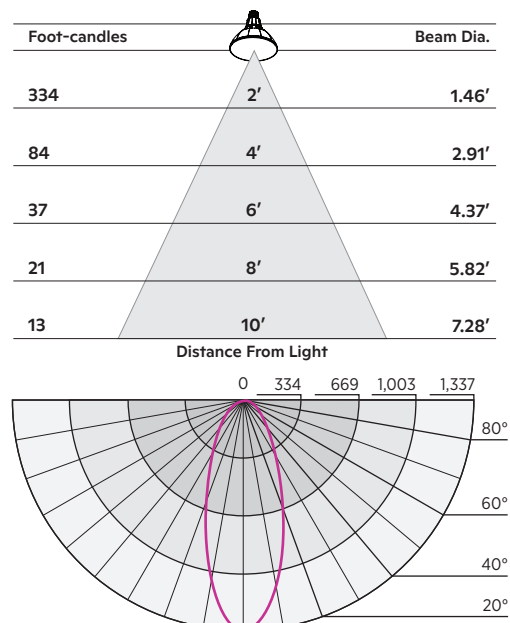
Beam Angle: 25° Flood (FL)

Model Number ¹	Wattage	Delivered Lumens	CBCP
S30TWIGTFL11E26WH	13.7 W	950	4080



Beam Angle: 40° Wide Flood (WFL)

Model Number ¹	Wattage	Delivered Lumens	CBCP
S30TWIGTWFL11E26WH	13.7 W	950	1337

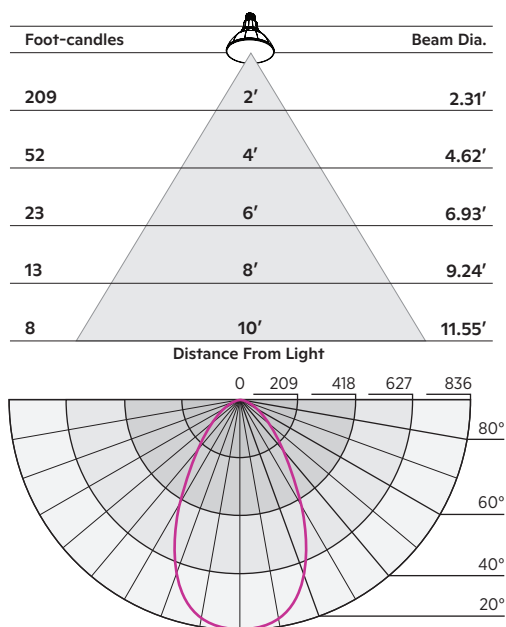


¹ Performance data applies to all base types and housing colors.

PHOTOMETRIC DATA: 3000 K VALUES ONLY

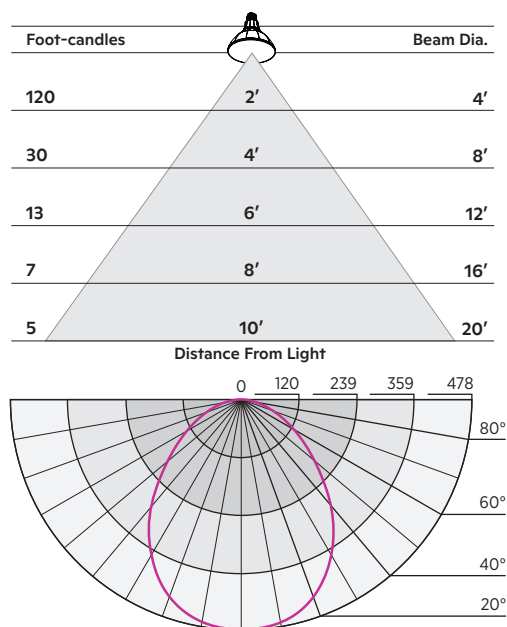
Beam Angle: 60° Very Wide Flood (VFL)

Model Number ¹	Wattage	Delivered Lumens	CBCP
S30TWIGTVFL11E26WH	13.7 W	950	836



Beam Angle: 90° Extra Wide Flood (XFL)

Model Number ¹	Wattage	Delivered Lumens	CBCP
S30TWIGTXFL11E26WH	13.7 W	950	478



¹ Performance data applies to all base types and housing colors.

General Specifications

The Rania S30 lamp can easily be commissioned into Lutron HomeWorks, Athena, or myRoom systems.

Wireless Capability: The 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).