

KETRA

S30 TUNABLE LAMP

S3010BTFLIE26WH

Project: _____
 Comments: _____
 Prepared By: _____



Fully tunable spectrum single point source produces wide range of 90+ CRI white, pastels and saturated colors

Closed-loop color point maintenance to <1 MacAdam ellipse over lifetime and temperature

Integrated temperature protection maintains product within safe operating conditions

Wireless and line-voltage dimmable to 0.1%

On-board wireless control enables individual addressability and control at a competitive system level price point

Lamps may be ordered pre-programmed from the factory to specific CCTs, x,y chromaticity coordinates, gel, Pantone, and traditional lamp dimming curves.

HARDWARE ORDERING GUIDE

S	30		B	T		1		
Series	Form Factor	Lumens	Platform	Control	Beam Angle	Region	Base Type	Housing Color
Code			Code			Code		
Series			Platform (see page 3 color chart)			Region		
S Series Lamp		→ S	Wide Gamut		→ B	NA 120V 60Hz		→ 1
Form Factor			Control			Base Type		
PAR30 Long Neck		→ 30	Tunable		→ T	E26		→ E26
						GU24		G24
Lumens			Beam Angle			Housing Color		
800		08	Spot (15°)		SP	White		→ WH
1050		→ 10	Flood (25°)		→ FL	Black		BK
			Wide Flood (40°)		WFL			
			Very Wide Flood (60°)		VFL			
			Extra Wide Flood (90° BR Style)		XFL			

770-000020-01 r09

Specifications are subject to change without notice

SPECIFICATIONS¹

OPTICAL & ELECTRICAL PERFORMANCE

Lumen Output ²	825 lm/ 1050 lm
CRI (Ra) ³	>90 (R9 >90)
Lumen Maintenance ³	36,000 hours to L70 @ 25°C TA
Color Spatial Uniformity	<2 MacAdam ellipses across field angle
Color Point Maintenance ³	<1 MacAdam ellipse over product lifetime
Equivalent Traditional Lamp	75W halogen PAR30
Dimming Range ⁵	0.1-100% lm

ENVIRONMENTAL

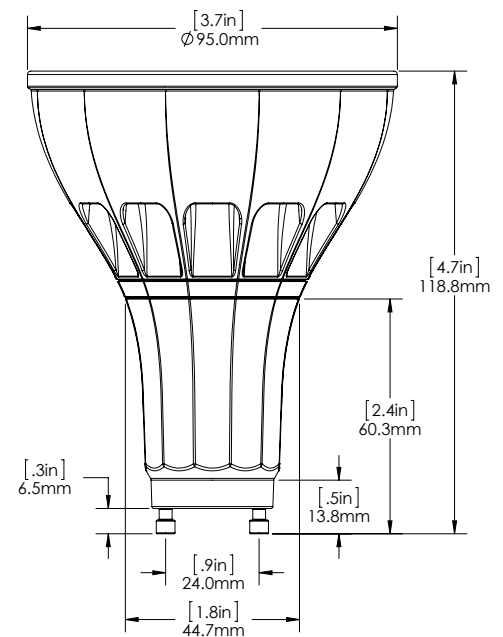
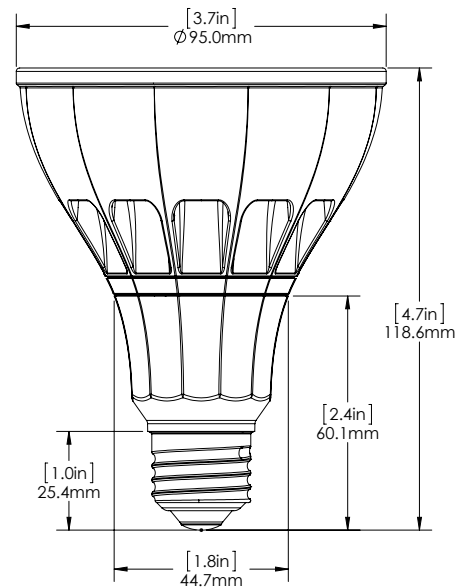
Operating Temperature	0 to 50°C
Storage Temperature	-20 - 80°C
Humidity	0 - 95%, Non-condensing
Certification	UL, cUL, RoHS, FCC Class B
Location	UL Damp Location, IP20

MECHANICAL

Weight	1.35 lbs, 600 g
Housing Material	Powder Coated Aluminum, Polymer
Lens Material	UL Damp Location, IP20, Suitable for use in fully enclosed luminaires
Base Type	E26 GU24

ELECTRICAL

Power consumption	S30.08 11W/ S30.10 17W
Power Factor	>0.9
Current	170 mA Max
Efficacy	S30.08 75 lm/W / S30.10 62 lm/W



CAD files available upon request

¹ All performance measurements taken at 3000K, 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 Intensity and color point controlled via Ketra's wireless network

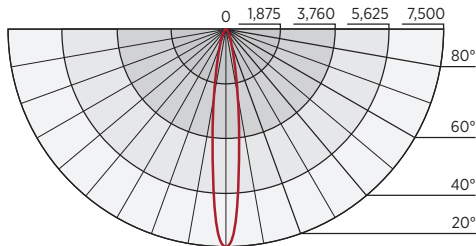
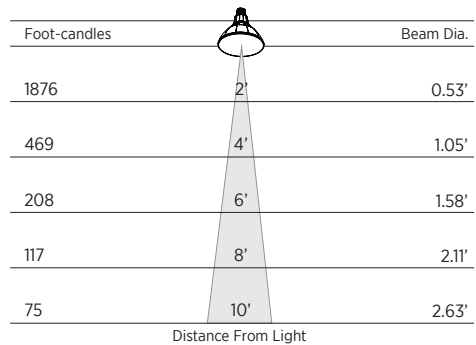
⁵ Suitable for use in fully enclosed luminaires.

ISO FOOTCANDLE CHARTS: 2700 - 5000K VALUES ONLY

LM-79 compliant IES files available upon request.

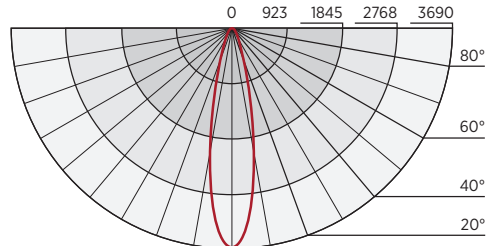
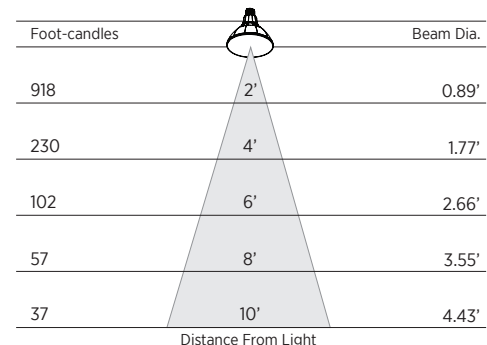
Beam Angle: 15° Spot (SP)

Product Code ¹	Wattage	Lumens	CBCP
S3010BTSP1E26WH	17W	1050	7501



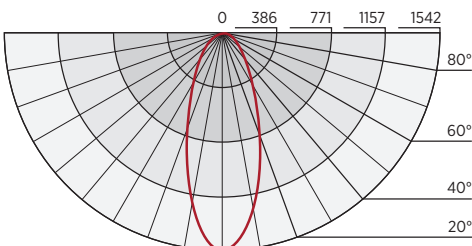
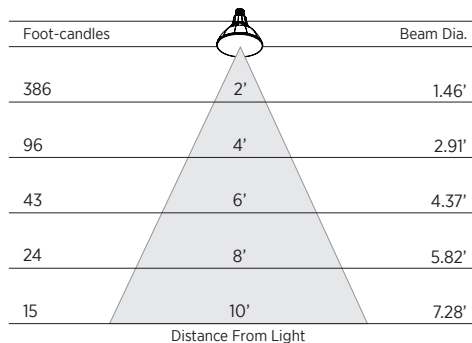
Beam Angle: 25° Flood (FL)

Product Code ¹	Wattage	Lumens	CBCP
S3010BTFL1E26WH	17W	1050	3672



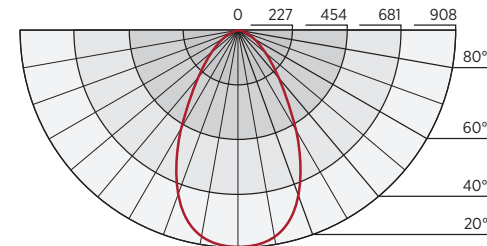
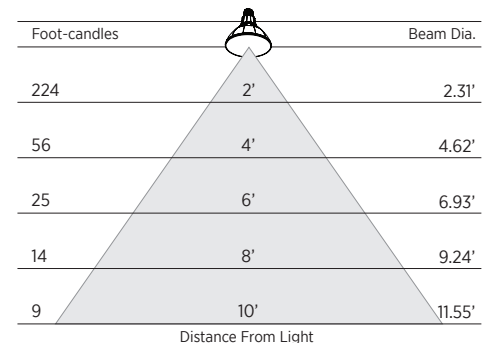
Beam Angle: 40° Wide Flood (WFL)

Product Code ¹	Wattage	Lumens	CBCP
S3010BTWFL1E26WH	17W	1050	1542



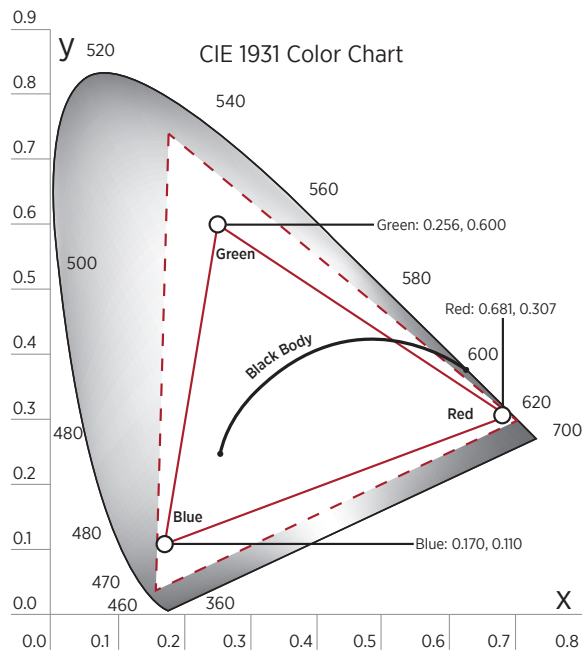
Beam Angle: 60° Very Wide Flood (VFL)

Product Code ¹	Wattage	Lumens	CBCP
S3010BTVFL1E26WH	17W	1050	897



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

WIDE GAMUT



Ketra's S30 Tunable lamp can easily be configured via Ketra's intuitive Design Studio software. The product can reproduce any color point within the triangle shaped gamut indicated in the chart below. With Ketra's innovative optical and thermal feedback system, the color point is maintained to an accuracy of <1 MacAdam ellipse over the lifetime of the product and across operating temperature range.

- Calibrated Gamut: color point is maintained to an accuracy of <1 MacAdam ellipse over the lifetime of the product and across operating temperature range
- - - Expanded Gamut: Color calibration is relaxed such that each product produces the most saturated color it is capable of.

GENERAL SPECIFICATIONS

LED PAR30 lamp shall employ closed loop optical and thermal feedback capable of maintaining color point accuracy of <1 MacAdam ellipse.

LED PAR30 lamp shall have color spatial uniformity of <2 MacAdam ellipses over full field angle.

LED PAR30 lamp shall have an integrated wireless control onboard.

LED PAR30 lamp shall be capable of a CRI >90 at any point along the Black Body Curve from 2700 - 5000K.

LED PAR30 lamp shall be a single source multi-die emitter consisting of both monochromatic and phosphor converted blue LED dye.

LED PAR30 lamp shall be sealed, meeting UL damp location (and UL Wet Location with Wet Location Trim) requirements.

LED PAR30 lamp shall be dimmable to 0.1% of measured luminous flux with wireless dimming.

LED PAR30 lamp shall be UL listed and RoHS compliant.

LED PAR30 lamp shall be capable of in situ firmware and software upgrades.

Ketra's LED PAR30 lamp is warrantied to be free from material defects in material and workmanship for five (5) years or 25,000 hours from date of shipment, whichever is less.

LED PAR30 lamp shall be # _____