

# KETRA

## S30 TRACK LUMINAIRE

Project: \_\_\_\_\_  
 Comments: \_\_\_\_\_  
 Prepared By: \_\_\_\_\_



Leverage the full feature set of Ketra's S30 LED Lamp

Constant torque hinge provides 90° of tilt aiming at any increment, without the need for a mechanical lock

365° of rotation eliminates any aiming shadows

Optional optical accessories allow control of the beam and of Ketra's S30 with precision

### HARDWARE ORDERING GUIDE

TA	S30		B	T		1	GU24			
Series	Form Factor	Lumens	Platform	Control	Beam Angle	Region	Base Type	Adapter Type	Housing Color	Accessory Type
Series			code	Control		code		Adapter Type		code
Track Luminaire			TA	Tunable		T		"H-Type" Compatible		H
Form Factor				Beam Angle				"J-Type" Compatible		J
S30		S30		Spot (15°)		SP		"L-Type" Compatible		L
Lumens				Flood (25°)		FL		1/2" NPT Canopy Mount		N
S30-800lm		08		Wide Flood (40°)		WFL		Housing Color		
S30-1000lm		10		Very Wide Flood (60°)		VFL		White		WH
Platform (see page 3 color chart)				Extra Wide Flood (90° BR Style)		XFL		Black		BK
Wide Gamut			B	Region				Accessory Type		
				NA 120 V 60 Hz		T		Short Snoot 55° cutoff		SNT55
				Base Type				Tall Snoot 30° cutoff		SNT30
				GU24		G24		Hex Louver 45° cutoff, includes SNT55		LUV45
								Baffle 15° cutoff, includes SNT30		BFL15
								No Accessory		NA

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Specifications are subject to change without notice

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## S30 TRACK FIXTURE

### SPECIFICATIONS<sup>1</sup>

#### OPTICAL PERFORMANCE

Lumen Output <sup>2</sup>	825 lm/ 1050 lm
CRI (Ra) <sup>3</sup>	>90 (R9>90)
Lumen Maintenance <sup>4</sup>	36,000 hours to L70 @ 25°C T <sub>A</sub>
Color Spatial Uniformity	<2 MacAdam ellipses across field angle
Color Point Maintenance	<1 MacAdam ellipse over product lifetime
Equivalent Traditional Lamp	75W halogen PAR30
Dimming Range <sup>5</sup>	0.1-100% lm

#### ENVIRONMENTAL

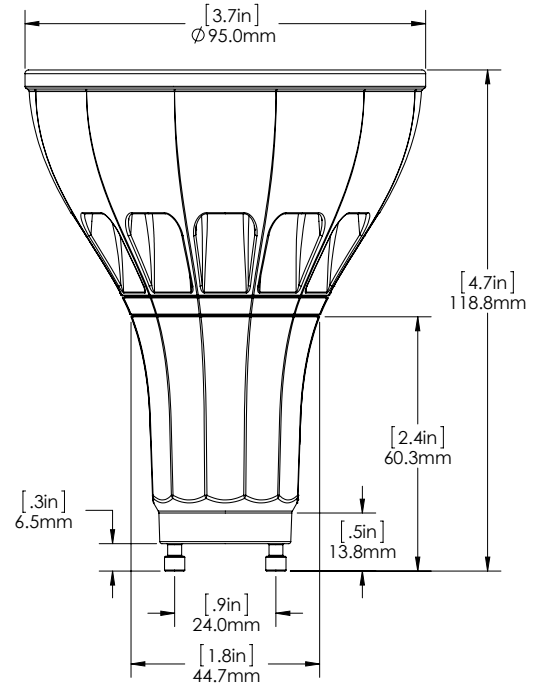
Operating Temperature (T <sub>A</sub> ) <sup>6</sup>	0-50°C
Storage Temperature	-20-80°C
Humidity	0-95%, Non-condensing
Certification	UL, cUL, RoHS, FCC Class B
Location	UL Damp Location, IP20, Suitable for use in fully enclosed luminaires

#### MECHANICAL

Weight	11.95 oz, 339 g
Housing Material	Powder Coated Aluminum, Polymer
Lens Material	Non-yellowing PMMA
Base Type	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



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

<sup>2</sup> Lumen measurement complies with IES LM-79-08 testing procedures.

<sup>3</sup> See color gamut chart at the end of this document.

<sup>4</sup> Lumen maintenance values calculated in accordance to TM-21 procedures based on LM-80 compliant measurement data.

<sup>5</sup> Intensity and color point controlled via Ketra's wireless network.

<sup>6</sup> Suitable for use in fully enclosed luminaires.

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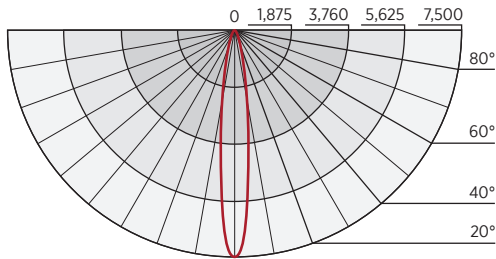
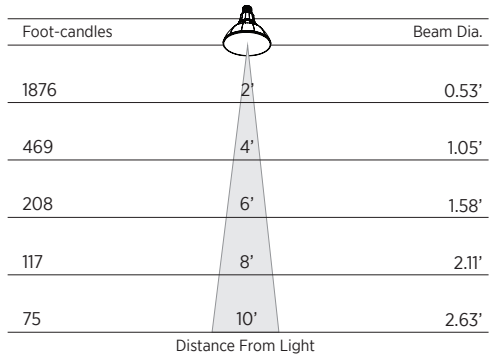
## S30 TRACK FIXTURE

### S30 ISO FOOTCANDLE CHARTS: 2700 - 5000K VALUES ONLY

LM-79 compliant IES files available upon request.

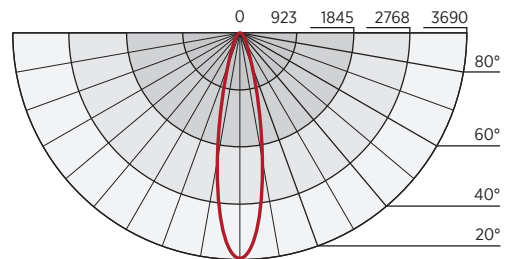
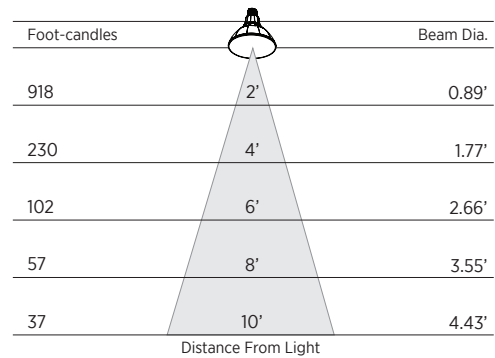
#### BEAM ANGLE: 15° SPOT (SP)

Product Code <sup>1</sup>	Wattage	Lumens	CBCP
S3010BTSP1E26WH	17W	1050	750



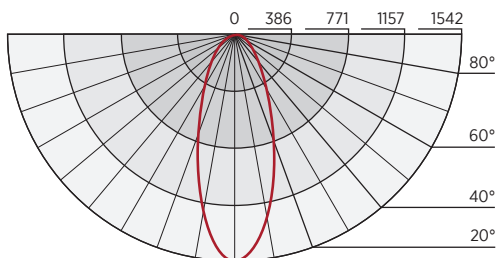
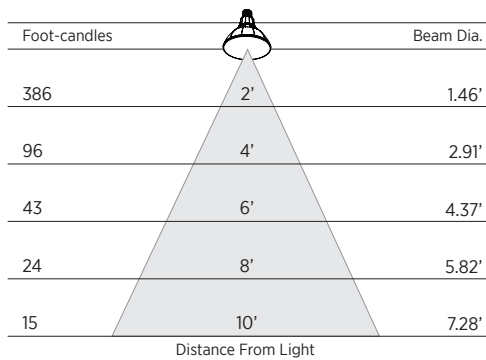
#### BEAM ANGLE: 25° FLOOD (FL)

Product Code <sup>1</sup>	Wattage	Lumens	CBCP
S3010BTF1E26WH	17W	1050	3672



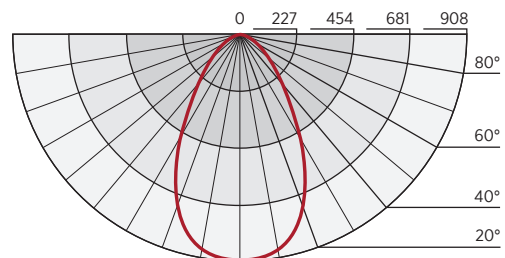
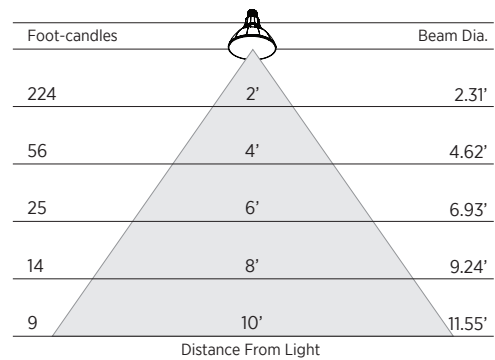
#### BEAM ANGLE: 40° WIDE FLOOD (WFL)

Product Code <sup>1</sup>	Wattage	Lumens	CBCP
S3010BTWFL1E26WH	17W	1050	1542



#### BEAM ANGLE: 60° VERY WIDE FLOOD (VFL)

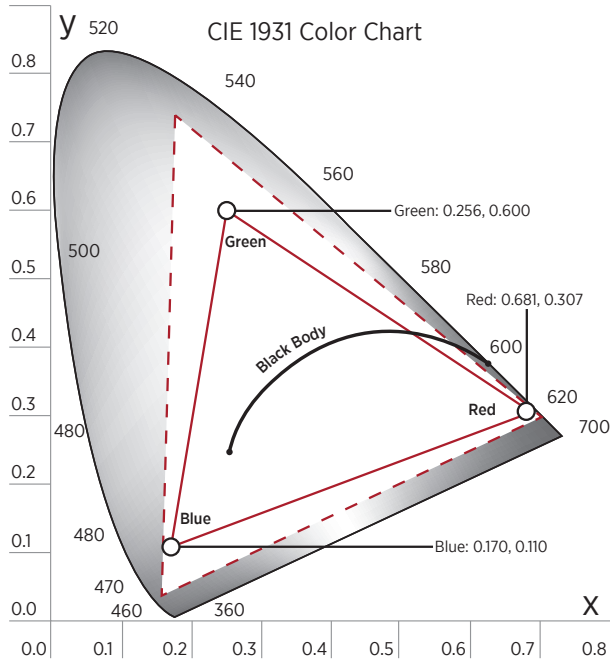
Product Code <sup>1</sup>	Wattage	Lumens	CBCP
S3010BTVFL1E26WH	17W	1050	897



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## WIDE GAMUT:



Ketra's tunable spectrum lamp can easily be configured via our intuitive Design Studio software tool. 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 possible.

## GENERAL SPECIFICATIONS

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

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

LED Track Luminaire shall have an integrated wireless control on-board.

LED PAR38 lamp shall be capable of a CRI >90 at any point along the Black Body Curve from 2700 - 5000K.

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

LED Track Luminaire shall be sealed, meeting UL damp location and IP50 requirements.

LED Track Luminaire shall be lamped with GU24 base lamps.

LED Track Luminaire shall be dimmable to 0.1% of measured luminous flux with wireless or TRIAC dimming.

LED Track Luminaire shall be UL listed and RoHS compliant.

LED Track Luminaire shall be capable of in situ firmware and software upgrades.

Ketra LED Lamps are warranted 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 Track Luminaire shall be # \_\_\_\_\_