

## S30 Track Luminaire

### PRODUCT DESCRIPTION

Ketra track lighting solution for integrating Ketra full spectrum S30 lamps into retrofit and new construction projects.

### FEATURES

**High Def Palette**—covers a wide range of 16.7 million colors, including pastels, saturated colors and high CRI whites spanning from 1,400K to 10,000K.

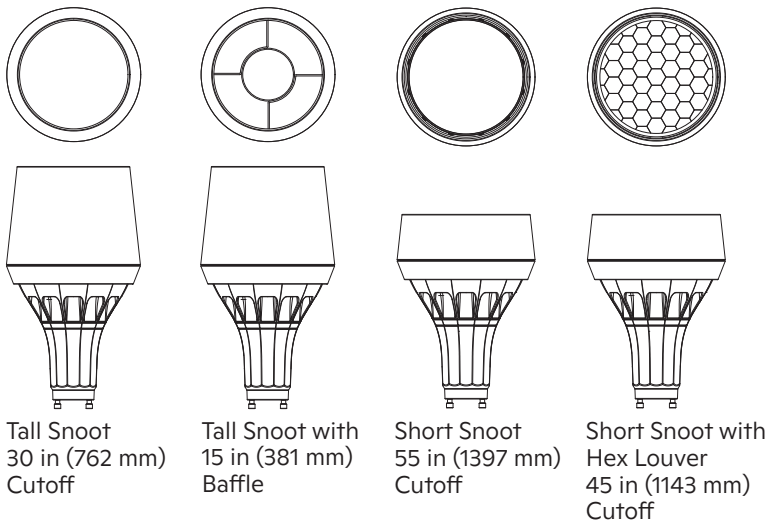
**Dynamic Spectrum**—precisely tunes the amount of energy across the visible spectrum to produce Natural Light, Natural Dimming and Vibrancy.

**TruBeam**—produces uniform color across any available beam angle.

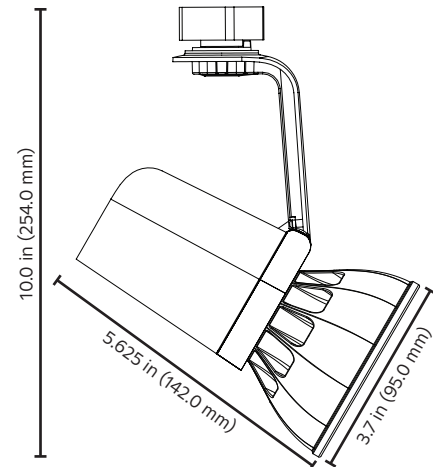
**Color Lock**—maintains your desired color point at a one-step MacAdam Ellipse across all Ketra product families and over each product's lifetime.



### ACCESSORIES



### Finish



## SPECIFICATIONS<sup>1</sup>

### Optical Performance

Delivered Lumens <sup>2</sup>	1050 lm
CRI (Ra) <sup>3</sup>	>90 (R9 >90)
Lumen Maintenance <sup>4</sup>	50,000 hours to L70 @ 25°C T <sub>A</sub>
Color Point Maintenance	One-step MacAdam Ellipse over product lifetime
Dimming Range <sup>5</sup>	0.1-100%

### Environmental

Ambient Temperature (T <sub>A</sub> )	32 to 122 °F (0 to 50 °C)
Storage Temperature	-4 to 176 °F (-20 to 80 °C)
Humidity	0-95%, Non-condensing
Certification	UL, cUL, RoHS, FCC Class B
Location	UL Damp Location, IP20, not for use in outdoor applications

### Mechanical

Fixture Weight	11.95 oz, 339 g
Housing Material	Powder Coated Aluminum, Polymer
Lens Material	Non-yellowing PMMA
Base Type	GU24

### Electrical

Power Consumption	S30.10 HE – 92.2 lm/W S30.10 HE – 12 W (1107 lm)
Power Factor	>0.9
Current	170 mA Max
Efficacy	S30.10 HE – 92.2 lm/W
Emergency Lighting	Evaluated by UL <sup>®</sup> for use in emergency lighting systems in accordance with standard UL <sup>®</sup> 924 and CSA C22.2 No. 141 when paired with the LVS <sup>™</sup> model LUT-SHUNT-A-TD (UL <sup>®</sup> file E206507) <sup>6</sup> .

<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 control requires compatible system.

<sup>6</sup> See Lutron Application Note 106 (P/N 048106) at [www.lutron.com](http://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.

	TA	S30	10		11	G24			
Product Line	Fixture Style	Model	Lumens	System/ Beam Angle	Region / Voltage	Base Type	Adapter Type	Housing Finish	Accessory

Order code: \_\_\_\_\_

Product Line	Code	System/Beam Angle	Code	Housing Finish	Code
Commercial (Athena compatible)	CM-	CCX Spot (15°) <sup>1</sup>	GTSP	White	WH
		CCX Flood (25°) <sup>1</sup>	GTFL	Black	BK
Residential (HomeWorks compatible)	HW-	CCX Wide Flood (40°) <sup>1</sup>	GTWFL	<b>Accessory</b> Short Snoot 55° cutoff <b>SNT55</b> Tall Snoot 30° cutoff <b>SNT30</b> Hex Louver 45° cutoff, includes SNT55 <b>LUV45</b> Baffle 15° cutoff, includes SNT30 <b>BFL15</b> No Accessory <b>NA</b>	
		CCX Very Wide Flood (60°) <sup>1</sup>	GTVFL		
		CCX Extra Wide Flood (90° BR Style) <sup>1</sup>	GTXFL		
<b>Fixture Style</b>					
Track Luminaire	TA	<b>Region / Voltage</b>			
		North America, 120 V~ 60 Hz	11		
<b>Model</b>		<b>Base Type</b>			
S30	S30	GU24	G24		
<b>Lumens</b>		<b>Adapter Type</b>			
1050	10	"H-Type" Compatible	H		
		½ in (12.7 mm) NPT Canopy Mount	N		

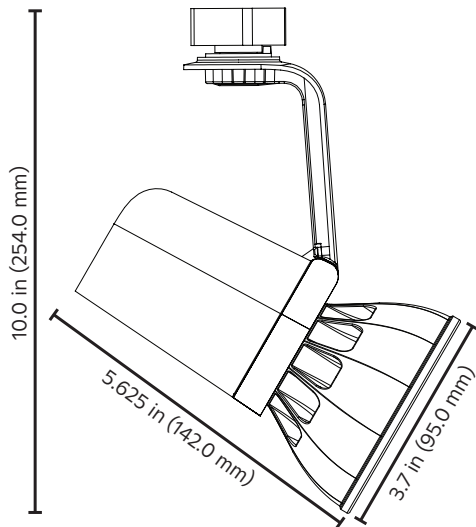
### Accessories

S30 Accessory Snoot 30° cutoff, White	S30ASNT30WH
S30 Accessory Snoot 30° cutoff, Black	S30ASNT30BK
S30 Accessory Snoot 55° cutoff, White	S30ASNT55WH
S30 Accessory Snoot 55° cutoff, Black	S30ASNT55BK
S30 Accessory Louver 45° cutoff, White (Requires S30ASNT55)	S30ALUV45WH
S30 Accessory Louver 45° cutoff, Black (Requires S30ASNT55)	S30ALUV45BK
S30 Accessory Baffle 15° cutoff, White (Requires S30ASNT30)	S30ABFL15WH
S30 Accessory Baffle 15° cutoff, Black (Requires S30ASNT30)	S30ABFL15BK

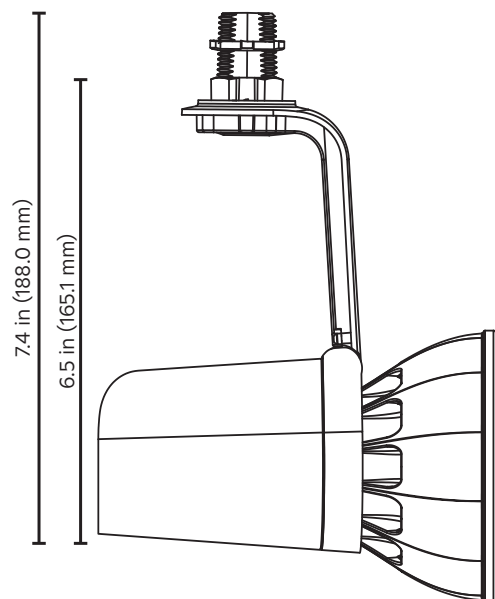
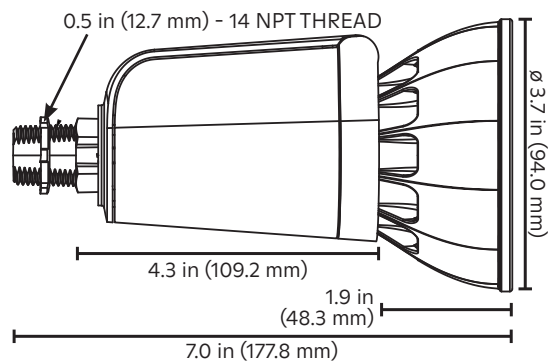
<sup>1</sup> CCX stands for Clear Connect-Type X.

## PRODUCT DIMENSIONS

### H-Type Track Mount

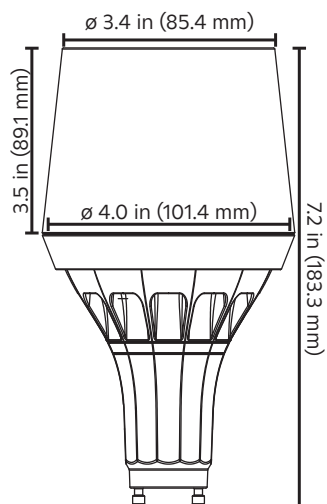
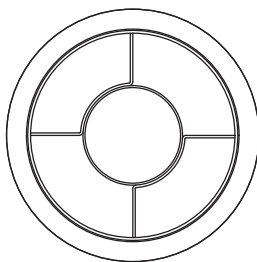
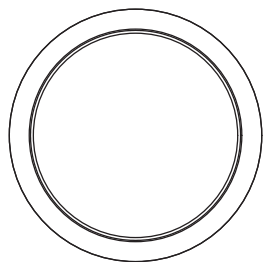


### NPT Canopy Mount

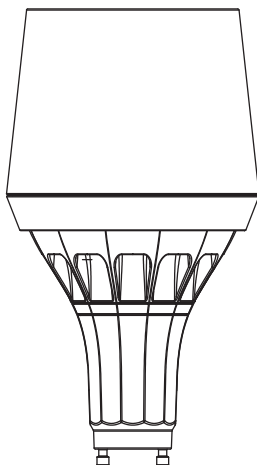


CAD files available upon request

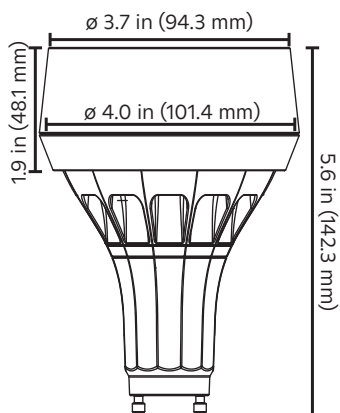
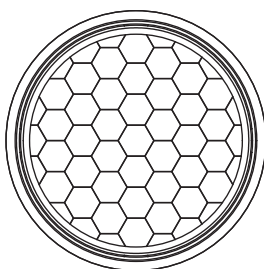
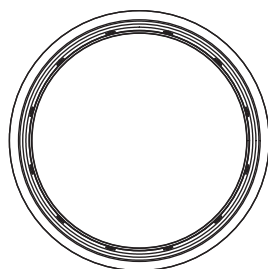
ACCESSORY DIMENSIONS



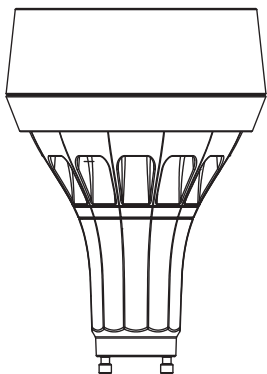
Tall Snoot Cutoff



Tall Snoot with Baffle



Short Snoot Cutoff



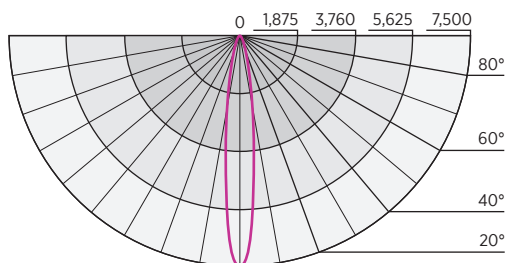
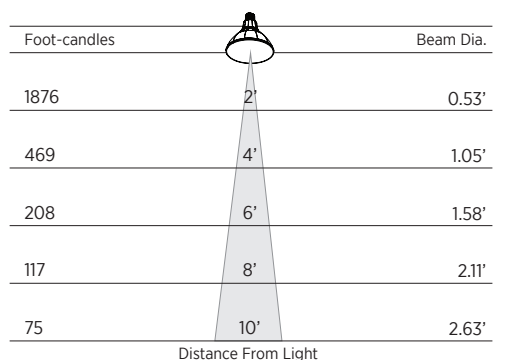
Short Snoot with Hex Louver Cutoff

## PHOTOMETRIC DATA: 2700 - 5000 K VALUES ONLY

### Beam Angle: 15° Spot (SP)

Product Code <sup>1</sup>	Wattage	Lumens	CBCP
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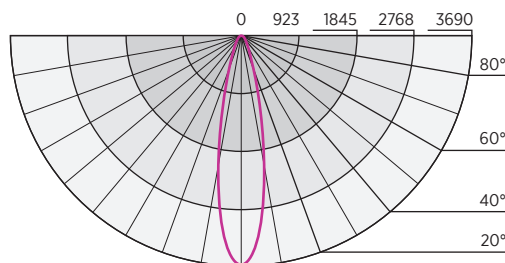
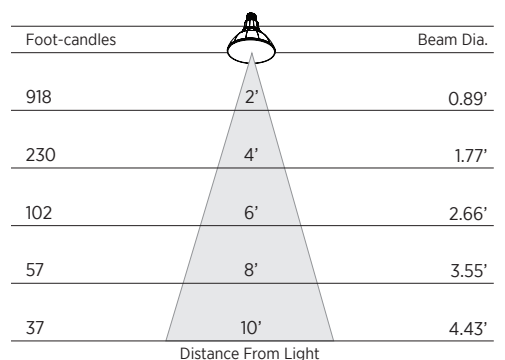
S3010ICTSP11E26WH 12 W 1050 7501



### Beam Angle: 25° Flood (FL)

Product Code <sup>1</sup>	Wattage	Lumens	CBCP
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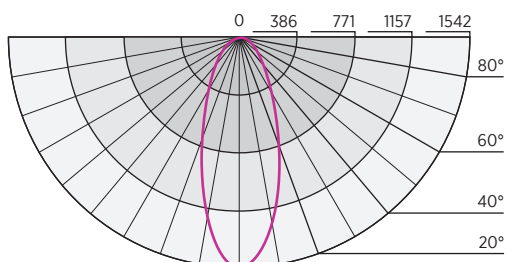
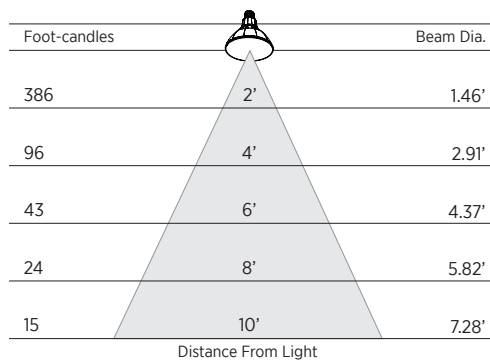
S3010IBTFL11E26WH 12 W 1050 3672



### Beam Angle: 40° Wide Flood (WFL)

Product Code <sup>1</sup>	Wattage	Lumens	CBCP
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S3010IBTWFL11E26WH 12 W 1050 1542

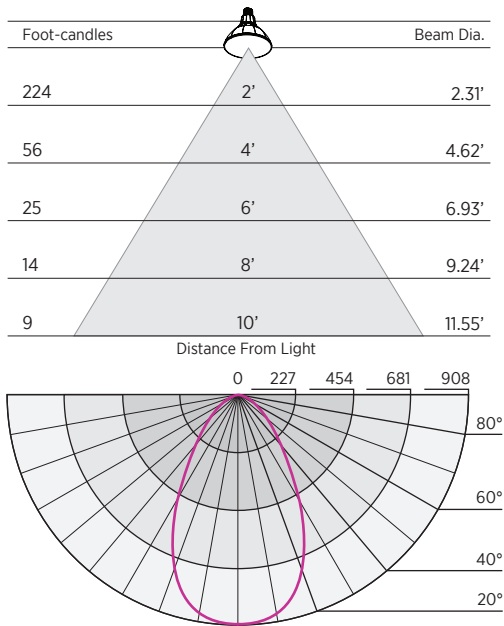


<sup>1</sup> This option is not available for sale in California.

PHOTOMETRIC DATA: 2700 - 5000 K VALUES ONLY

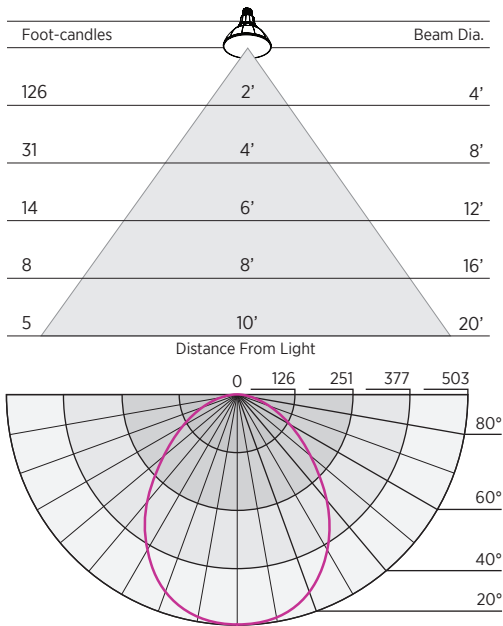
Beam Angle: 60° Very Wide Flood (VFL)

Product Code <sup>1</sup>	Wattage	Lumens	CBCP
S3010IBTVFL11E26WH	12 W	1050	897



Beam Angle: 90° Extra Wide Flood (XFL)

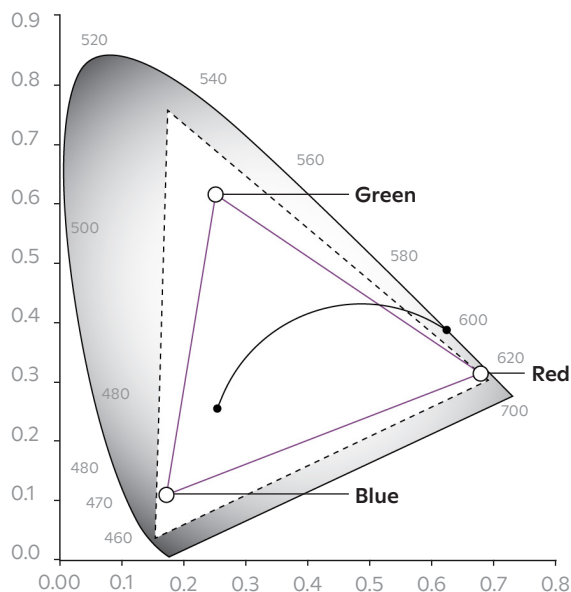
Product Code <sup>1</sup>	Wattage	Lumens	CBCP
S3010IBTXFL11E26WH	12 W	1050	503



<sup>1</sup> This option is not available for sale in California.

## WIDE GAMUT

### CIE 1931 Color Chart



Ketra's LED S30 Track Luminaire can easily be commissioned into Lutron HomeWorks or Athena systems. The product can reproduce any color point within the triangle shaped gamut indicated in the chart to the left. With Ketra's innovative optical and thermal feedback system, the color point is maintained to an accuracy of one-step MacAdam Ellipse over the lifetime of the product and across operating temperature range.

— **Color Lock**—Color point is maintained to an accuracy of one-step 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.

## S30 General Specifications

**Color Point Maintenance:** Employ closed loop optical and thermal feedback capable of maintaining color point accuracy at a one-step MacAdam ellipse over product lifetime<sup>1</sup>.

**Wireless Capability:** LED light source shall have an integrated wireless control on board.

**Color Rendering Index (CRI):** Capable of CRI greater than 90 at any point along the Black Body Curve from 2,700K to 5,000K.

### Single Source Multi-Dye Modular Emitter/LED Module

**Design:** Employ a single source multi-dye modular emitter/LED module consisting of both monochromatic and phosphor converted blue LED dye.

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

**Warranty:** Ketra's light source 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.

### 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.
3. Changing intensity while maintaining full color spectrum or CCT.
4. Changing full color spectrum or CCT while maintaining intensity.

**Spectral Power Distribution Manipulation:** Light system capable of manipulating the Spectral Power Distribution (SPD) by automatically adjusting distributions of color intensity while maintaining the same Correlated Color Temperature (CCT).

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

**Color Point Range:** Single light source capable of producing 16.7 million colors and white from 1,400K to 10,000K Correlated Color Temperature (CCT).

<sup>1</sup> Color point maintenance not guaranteed while operating at ambient temperatures between -35 °C and 0 °C.