



**Lightolier 3D Crown Series Track Head** is the perfect solution for those seeking full control over their light effect while maintaining an aesthetically pleasing appearance. With eight configurable color options and a front accent ring that can be tailored to your liking, this track head offers a unique and sophisticated look. Interchangeable optics and accessory compatibility make it easy to adjust the beam performance to your desired specifications. The 3D Crown Series Track Head's sleek design, internal driver, and integrated hinge give it a contemporary appearance that is sure to enhance any space, while Lightolier's AccuRender Technology provides the highest color quality with the highest efficacy. Positioned close to the ceiling, it offers a clean and modern lighting design that is not only functional but also visually stunning.

Project: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Cat.No: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Qty: \_\_\_\_\_  
 Notes: \_\_\_\_\_

### Fixture

Now including AccuRender technology for the highest color quality at the highest efficacy.

example: 3DTHCN S L WHST LF WHST 15L RMF 30K WH

Series	Size	Adapters	Housing Colors	Textures	Inner Ring Color	Lumens	Reflector / Beam Spreads	CRI / CCT	Mounting Color
<b>3DTHCN</b>	<b>S</b>			<b>LF</b>					
3DTHCN Crown Series	S Small	L Lightolier J Juno H Halo	<b>Satin Essentials</b> BKST Black BSST Brass BZST Bronze CAPP Cappuccino GYST Grey ROSE Rose SAGE Sage WHST White	LF Layered Fine	<b>Satin Essentials</b> BKST Black BSST Brass BZST Bronze CAPP Cappuccino GYST Grey ROSE Rose SAGE Sage WHST White	10L 1000lm 15L 1500lm	RS Spot (15.5°) RNF Narrow Flood (21°) RMF Medium Flood (27°) RF Flood (38°)	27K 90 CRI / 2700K 30K 90 CRI / 3000K 35K 90 CRI / 3500K 40K 90 CRI / 4000K	BK Black WH White

**Note:** Different colors are available upon request but will require a longer lead time.

### Optional Accessories (order separately)

One reflector is included according to above specification.

LC10SN Snoot	AL Aluminum BK Black WH White
LC10SN Diffusion Film	SF Soft Focus FR Frosted Etched LS Linear Spread SY Symmetrical Spread

### Reflector / Beam Spreads

Aperture ring can hold maximum of 1 piece of media.  
 Compatible with OmniSpot Small Accessories.

LLM OmniSpot Reflectors	LLMRNS Spot (15.5°) LLMRS Narrow Flood (21°) LLMRNF Medium Flood (27°) LLMRF Flood (38°)
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7472 OmniSpot Small hex cell louver (matte black only)

### Features

- Customizable:** choose from a wide variety of colors. Mix and match parts to make your perfect configuration.
- Sustainable:** 3D Printed products produce less carbon emissions when compared to traditional, conventional luminaires. [Learn more about our sustainable practices in our whitepaper.](#)
- Local production:** Printed and assembled in Littlestown, PA.
- Quick delivery:** Created on demand and shipped in weeks.
- Lifetime:** L90/B50 Lumen Maintenance at 63,000 hours. L70/B50 Lumen Maintenance at >110,000 hours.
- Aperture ring:** Included with luminaire. 3D printed to match housing or add a pop of accent color. Twist and lock tool-less access to reflector and install accessories. Accepts a maximum of 1 piece of media.
- Interchangeable reflector optics:** One reflector included with luminaire. High efficiency metalized coating providing up to 98% total reflectivity for optimal light quality, beam control and visual punch. Lens attached to reflector which protects reflector finish and LEDs from contamination.
- Finish:** Polycarbonate, Made from at least 55% Bio-circular mass balanced raw materials from ISCC PLUS certified waste streams and residues. [Learn more about our materials in our sustainability whitepaper.](#) Construction material is pigmented throughout, so your color finish will never chip or scratch.
- Recyclable at End of Life:** Our products are designed to be easily disassembled. We use no glue, no paint, no potting, and fewer screws. [Learn more about how to recycle your luminaires here.](#)



Unleash your inner creator

Learn more about this product, scan the QR Code with your smartphone or visit us at:  
[www.signify.com/en-us/brands/lightolier/3d-printed-lighting/products/crown-series](http://www.signify.com/en-us/brands/lightolier/3d-printed-lighting/products/crown-series)

Declare.



interact ready.

# Crown Series

## 3D Track Heads (1000lm, 1500lm)

### Dimming Compatibility

**Trailing edge (ELV) dimming compatible**  
**SELV-300P** Lutron Skylark (100-7%)  
**DVELV-300P** Lutron Diva (100-7%)  
**6615-P** Leviton Decora (100-12%)

### Electrical

**Wattage:** 1000 lm = 9W, 1500 lm = 15W  
**Input Voltage:** 120V  
**Frequency:** 50/60Hz  
**Power Factor:** 0.9  
**Control:** ELV dimming

### Mounting

**Track Adapters:** Lightolier, Juno or Halo  
**Horizontal rotation:** 350°  
**Vertical tilt:** 90°  
Compatible with all Monopoint, Multipoint, recessed track, suspension track, as well as Basic, Advent track systems. Can be wall mounted vertically or horizontally. Can be used with extension wands.

### Labels

UL, CSA (cULus), RoHS, IP20, DLC Premium Certified, Declare. LBC Red List Approval Pending. 5 Year Warranty

### Buy American Act of 1933 (BAA)

This product is manufactured in one of our US factories and, as of the date of this document, this product was considered a commercially available off-the-shelf (COTS) item meeting the requirements of the BAA. This BAA designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies. Prior to ordering, please visit [www.signify.com/baa](http://www.signify.com/baa) to view a current list of BAA-compliant products to confirm this product's current compliance.

## AccuRender Technology (CRI 90+)

The right light brings colors to life. Our new AccuRender technology helps ensure colors are rendered more accurately and consistently, while doing so as efficiently as CRI 80 products.



Standard CRI 80

Good color rendering and high efficacy



Standard CRI 90

Better color rendering and low efficacy



AccuRender

Best color rendering, color preference and high efficacy

### Promote savings

**High efficacy, with no penalty:**

- Energy efficacy compares well to conventional CRI80
- Up to 25% more energy savings vs competitor CRI90<sup>1</sup>
- Helps you meet Title 24 requirements

### Enjoy design flexibility

**Full range of products and options:**

- Available soon in across Lightolier portfolio for application flexibility
- Multiple CCTs and lumen packages offered

1. Based on comparison of published specification sheet data, most competitor offerings reflect a 15 to 25% efficacy loss for CRI 90 compared to CRI 80, while Lightolier AccuRender results in only ≤5% drop compared to CRI 80.

### Bolster wellbeing

**High MDER:**

- AccuRender has a Melanopic Daylight Efficacy Ratio up to 0.80
- Helps support Circadian Rhythm<sup>2</sup>
- Earns points towards WELL Building Standard

### Contribute to productivity

**High MDER:**

- Supports daytime vitality<sup>3</sup> and alertness<sup>4</sup>
- Supports mood, thermo-regulation, and learning centers in the brain<sup>5</sup>
- May positively influence work engagement by helping make the environment more attractive<sup>6</sup>

2. Czeisler, 1999; Dijk & Archer, 2009; Lucas 2012, 2019  
3. Partonen 2000  
4. Viola 2008, Smolders 2012; Geerdink 2017  
5. Fernandez 2018; Rupp, 2019

### Show your true colors

**High color rendering:**

- **CRI:**  
R<sub>a</sub> up to 94, R<sub>9</sub> up to 67, G<sub>a</sub> up to 99, C<sub>9</sub> up to 94
- **TM-30:**  
R<sub>t</sub> up to 92, R<sub>fh</sub> up to 91, R<sub>g</sub> up to 100, R<sub>cs,hi</sub> up to -5%
- **True to life colors** to help energize your environment and render better flesh tones critical for Healthcare, Hospitality and Retail

### Achieve color balance

**Best in class color consistency:**

- ≤ 2 SDCM promotes aesthetic harmony

6. Veitch, Jennifer & Stokkermans, Mariska & R. Newsham, Guy. (2013). Linking Lighting Appraisals to Work Behaviors. Environment and Behavior. 45. 198-214. 10.1177/0013916511420560.

# Crown Series

## 3D Track Heads (1000lm, 1500lm)

### Colors

Housing Color  
BKST Black

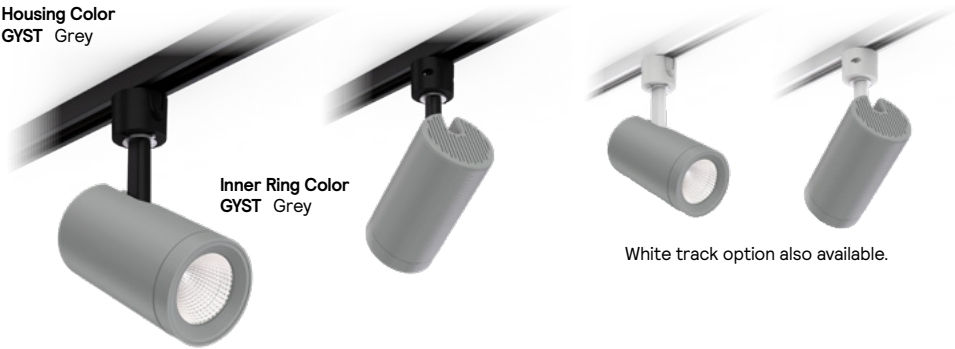


Inner Ring Color  
BKST Black

White track option also available.



Housing Color  
GYST Grey



Inner Ring Color  
GYST Grey

White track option also available.



Housing Color  
BSST Brass



Inner Ring Color  
BSST Brass

White track option also available.



Housing Color  
BSST Brass



Inner Ring Color  
BSST Brass

White track option also available.



# Crown Series

## 3D Track Heads (1000lm, 1500lm)

### Colors

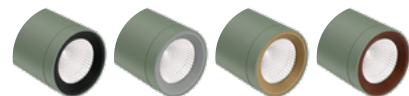
Housing Color  
SAGE Sage



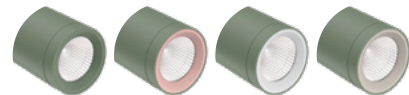
Inner Ring Color  
SAGE Sage



White track option also available.



BKST Black GYST Grey BSST Brass BZST Bronze



SAGE Sage ROSE Rose WHST White CAPP Cappuccino

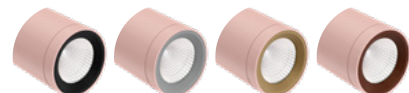
Housing Color  
ROSE Rose



Inner Ring Color  
ROSE Rose



White track option also available.



BKST Black GYST Grey BSST Brass BZST Bronze



SAGE Sage ROSE Rose WHST White CAPP Cappuccino

Housing Color  
WHST White



Inner Ring Color  
WHST White



White track option also available.



BKST Black GYST Grey BSST Brass BZST Bronze



SAGE Sage ROSE Rose WHST White CAPP Cappuccino

Housing Color  
CAPP Cappuccino



Inner Ring Color  
CAPP Cappuccino



White track option also available.



BKST Black GYST Grey BSST Brass BZST Bronze

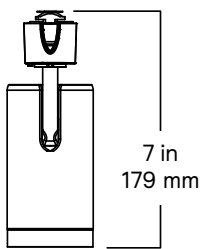


SAGE Sage ROSE Rose WHST White CAPP Cappuccino

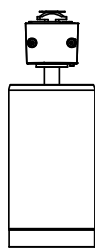
# Crown Series

## 3D Track Heads (1000lm, 1500lm)

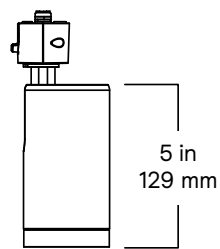
### Dimensions



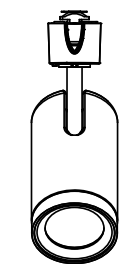
Back



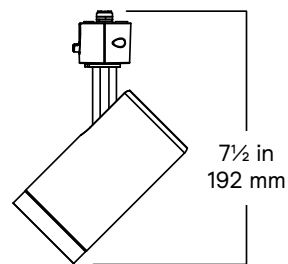
Front



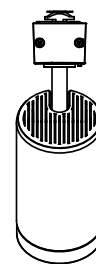
Side



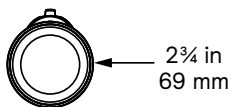
Front @ 45°



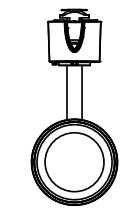
Side @ 45°



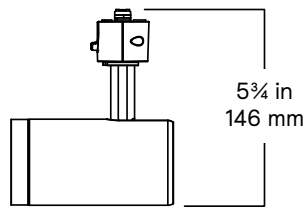
Back @ 45°



Bottom



Front @ 90°



Side @ 90°



Back @ 90°

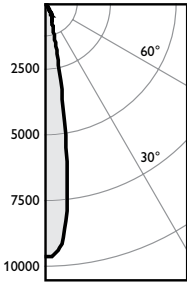
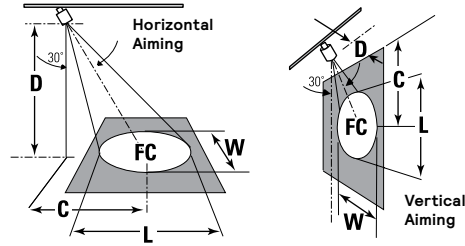
# Crown Series

## 3D Track Heads (1000lm, 1500lm)

### Aiming Angles (1000lm)

L and W are the outer points where the candle power drops to 50% of the maximum. FC are the initial footcandles at the center of the beam. Data shown is for 3000K, use the table on the right for CRI/CCT adjustment factors.

D Distance  
L Beam length  
W Beam Width  
A Aiming Angle  
C Distance to center beam  
FC Footcandles  
CBCP Center Beam Candlepower



### Spot (RS)

3DTHCNSLWHSTLFWHST15LRS30KWH

CCT<sup>1</sup>: 3000K  
Output lumens: 1459 lms  
Input watts<sup>2</sup>: 14 W  
Efficacy: 104.2 lm/w  
CRI: 90 min  
CBCP: 9,861 cd

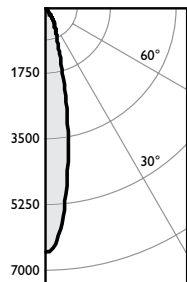
Beam Angle: 17°

30° Aiming Angle  
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	178	2.4	2.1
8	4.6	100	3.2	2.8
10	5.8	64	4.0	3.5
12	6.9	44	4.8	4.1

30° Aiming Angle  
Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	308	2.6	1.2
3	5.2	137	3.8	1.8
4	6.9	77	5.1	2.4
5	8.7	49	6.4	3.0



### Narrow Flood (RNF)

3DTHCNSLWHSTLFWHST15LRNF30KWH

CCT<sup>1</sup>: 3000K  
Output lumens: 1423 lms  
Input watts<sup>2</sup>: 14 W  
Efficacy: 101.6 lm/w  
CRI: 90 min  
CBCP: 6,736 cd

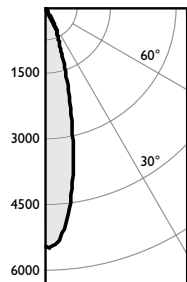
Beam Angle: 21°

30° Aiming Angle  
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	122	3.0	2.6
8	4.6	68	4.0	3.4
10	5.8	44	5.0	4.3
12	6.9	30	6.0	5.1

30° Aiming Angle  
Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	211	3.3	1.5
3	5.2	94	5.0	2.2
4	6.9	53	6.6	3.0
5	8.7	34	8.3	3.7



### Medium Flood (RMF)

3DTHCNSLWHSTLFWHST15LRMF30KWH

CCT<sup>1</sup>: 3000K  
Output lumens: 1440 lms  
Input watts<sup>2</sup>: 14 W  
Efficacy: 102.9 lm/w  
CRI: 90 min  
CBCP: 5,596 cd

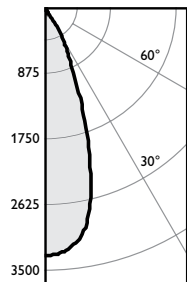
Beam Angle: 25°

30° Aiming Angle  
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	101	3.6	3.1
8	4.6	57	4.8	4.1
10	5.8	36	6.0	5.1
12	6.9	25	7.2	6.1

30° Aiming Angle  
Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	175	4.2	1.8
3	5.2	78	6.2	2.7
4	6.9	44	8.3	3.5
5	8.7	28	10.4	4.4



### Flood (RF)

3DTHCNSLWHSTLFWHST15LRF30KWH

CCT<sup>1</sup>: 3000K  
Output lumens: 1406 lms  
Input watts<sup>2</sup>: 14 W  
Efficacy: 100.4 lm/w  
CRI: 90 min  
CBCP: 3,316 cd

Beam Angle: 37°

30° Aiming Angle  
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	60	5.6	4.6
8	4.6	34	7.4	6.2
10	5.8	22	9.3	7.7
12	6.9	15	11.1	9.3

30° Aiming Angle  
Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	104	8.1	2.7
3	5.2	46	12.1	4.0
4	6.9	26	16.1	5.4
5	8.7	17	20.2	6.7

1. Correlated Color Temperature within specs as defined in ANSI\_NEMA\_ANSI C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.

2. Wattage controlled to within +/- 5%.

Note: Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.