LIGHTOLIER

MS 3DP Series

Track Heads

Powered by myCreation

Lightolier 3D Printed Track Heads, MS Series offers superior specification grade beam performance with Signify optics. With a sleek, integrated hinge and internal driver for a contemporary appearance, 3D Printed Track Heads are positioned higher to the ceiling for a cleaner look and lighting design. A wide variety of configuration options including unique and different color pallets make 3D Printed Track Heads unlike any other trackhead on the market.

This portfolio of luminaires is powered by myCreation, Genlyte's advanced additive manufacturing technology that enables rapid production of high-quality, customizable luminaires. It streamlines design-to-delivery with on-demand colors, textures, and configurations—while reducing components and using 3D-printed parts made from at least 75% recycled or mass-balanced, bio-circular materials.

Project:

Location:

Cat.No:

Type:

Qty:

Notes:

Fixture

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

example: 3DTH L GYST LF 15L NB 27K 2

Series	Adapters	Colors	Textures	Lumens	Beams	CRI/CCT	Version
3DTH			LF				2
3DTH MS Series 3D Track Head	**L** Lightolier **J** Juno **H** Halo	**BKST** Satin Black **BSST** Satin Brass **BZST** Satin Bronze **CAPP** Satin Cappuccino **GYST** Satin Grey **SAGE** Satin Sage **WHST** Satin White	**LF** Layered Fine	**10L** 1000lm **15L** 1500lm **23L** 2300lm	**NB** Narrow (17°) **MB** Medium (22°) **WB** Wide (34°) **VWB** Very Wide (60°)	**27K** 90CRI / 2700K **30K** 90CRI / 3000K **35K** 90CRI / 3500K **40K** 90CRI / 4000K	**2** Version 2

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

Features

1. **Customizable:** choose from a wide variety of colors.
2. **Sustainable:** 3D Printed products produce less carbon emissions when compared to traditional, conventional luminaires.
3. **Local production:** Printed and assembled in Littlestown, PA.
4. **Quick delivery:** Created on demand and shipped in weeks.
5. **Lifetime:** L90/B50 Lumen Maintenance at 65,000 hours.

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 - (950lm) = 9W
1500 lm - (1440lm) = 15W
2300 lm - (2300lm) = 23W
Track Mount: Standard Lightolier track adapter
Input Voltage: 120V
Frequency: 50/60Hz
Power Factor: 0.9
Control: ELV dimming

Mounting

Lightolier, Juno or Halo mounting track options
Horizontal rotation = 350°
Vertical tilt = 90°

Labels

cULus listed, 5 year warranty,
IP20, RoHS & DLC rated
Red List Declare label certified, ID SGY-0009
(View full Declare label)

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 to view a current list of BAA-compliant products to confirm this product's current compliance.

Unleash your inner creator

To configure your custom 3D printed luminaire, scan this QR Code with your smartphone's camera or visit us at: **https://www.3dprinted.lighting.lightolier.com/en/us/MS-Series/**

Declare. DLC LISTED c UL us LISTED RoHS COMPLIANT interact ready.

MS Series

3D Track Heads (1000lm, 1500lm, 2300lm)

AccuRender Technology (CRI 90+)

The right light brings colors to life. Our new AccuRender technology helps ensure colors are redered 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[1]
- 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

Bolster wellbeing

High MDER:

- AccuRender has a Melanopic Daylight Efficacy Ratio up to 0.80
- Helps support Circadian Rhythm[2]
- Earns points towards WELL Building Standard

Contribute to productivity

High MDER:

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

Show your true colors

High color rendering:

- **CRI:**
  R_a up to 94, R_9 up to 67,
  G_a up to 99, C_9 up to 94
- **TM-30:**
  R_f up to 92, $R_{f,h1}$ up to 91,
  R_g up to 100, $R_{cs,h1}$ 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

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.
2. Czeisler, 1999; Dijk &Archer, 2009; Lucas 2012, 2019
3. Partonen 2000
4. Viola 2008, Smolders 2012; Geerdink 2017
5. Fernandez 2018; Rupp, 2019
6. Veitch, Jennifer & Stokkermans, Mariska & R. Newsham, Guy. (2013). Linking Lighting Appraisals to Work Behaviors. Environment and Behavior. 45. 198-214. 10.1177/0013916511420560.

MS Series

3D Track Heads (1000lm, 1500lm, 2300lm)

Colors & Textures

WHST Satin White

CAPP Satin Cappuccino

GYST Satin Grey

BSST Satin Brass

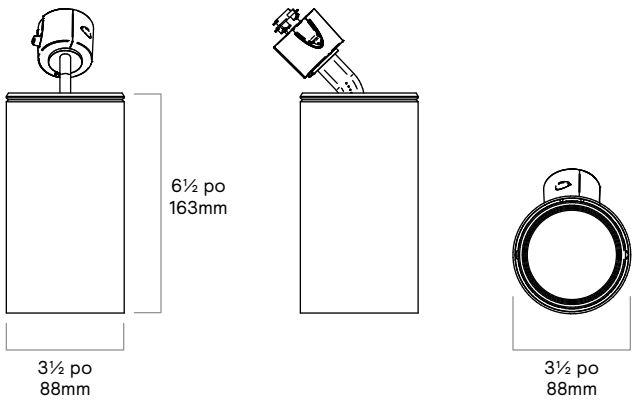
BKST Satin Black

BZST Satin Bronze

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

SAGE Satin Sage

Dimensions



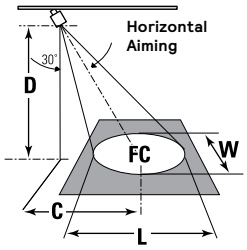
MS Series

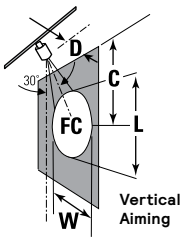
3D Track Heads (1000lm)

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.

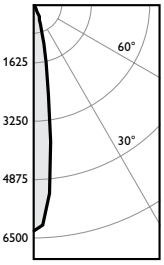
D Distance
L Beam length
W Beam Width
A Aiming Angle
C Distance to center beam
FC Footcandles
CBCP Center Beam Candlepower





Adjustment Factors:

2700K:	0.95
3000K:	1
3500K:	1.02
4000K:	1.04



1000lm Narrow

3DTHL RS 3.0 930 1000lm

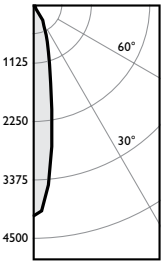
CCT[1]:	3000K
Output lumens:	1125 lms
Input watts[2]:	8.8 W
Efficacy:	127.8 lm/w
CRI:	90 min
CBCP:	7,048 cd
Beam Angle:	17°
Cat No:	1000 NB

30° Aiming Angle
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	127	2.4	2.1
8	4.6	72	3.2	2.8
10	5.8	46	4.0	3.5
12	6.9	32	4.8	4.1

30° Aiming Angle
Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	220	2.6	1.2
3	5.2	98	3.8	1.8
4	6.9	55	5.1	2.4
5	8.7	35	6.4	3.0



1000lm Medium

3DTHL RNF 3.0 930 1000lm

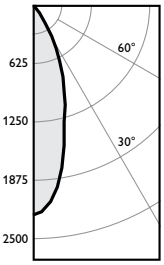
CCT[1]:	3000K
Output lumens:	1109 lms
Input watts[2]:	8.8 W
Efficacy:	126.0 lm/w
CRI:	90 min
CBCP:	4,442 cd
Beam Angle:	20°
Cat No:	1000 MB

30° Aiming Angle
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	80	2.9	2.4
8	4.6	45	3.8	3.3
10	5.8	29	4.8	4.1
12	6.9	20	5.7	4.9

30° Aiming Angle
Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	139	3.1	1.4
3	5.2	62	4.7	2.1
4	6.9	35	6.2	2.8
5	8.7	22	7.8	3.5



1000lm Wide

3DTHL RF 3.0 930 1000lm

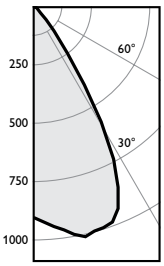
CCT[1]:	3000K
Output lumens:	1085 lms
Input watts[2]:	8.8 W
Efficacy:	123.3 lm/w
CRI:	90 min
CBCP:	2,553 cd
Beam Angle:	35°
Cat No:	1000 WB

30° Aiming Angle
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	46	5.2	4.4
8	4.6	26	7.0	5.8
10	5.8	17	8.7	7.3
12	6.9	12	10.4	8.7

30° Aiming Angle
Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	80	7.2	2.5
3	5.2	35	10.8	3.8
4	6.9	20	14.4	5.0
5	8.7	13	18.0	6.3



1000lm Very Wide

3DTHL RWF 3.0 930 1000lm

CCT[1]:	3000K
Output lumens:	1118 lms
Input watts[2]:	8.8 W
Efficacy:	127.0 lm/w
CRI:	90 min
CBCP:	1,083 cd
Beam Angle:	59°
Cat No:	1000 VWB

30° Aiming Angle
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	20	10.1	7.8
8	4.6	11	13.5	10.5
10	5.8	7	16.9	13.1
12	6.9	5	20.3	15.7

30° Aiming Angle
Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	34	228.0	4.5
3	5.2	15	342.0	6.8
4	6.9	8	456.0	9.1
5	8.7	5	570.0	11.3

1. Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSLG 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.

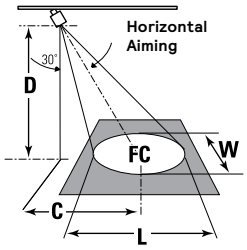
MS Series

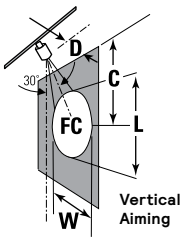
3D Track Heads (1500lm)

Aiming Angles (1500lm)

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.

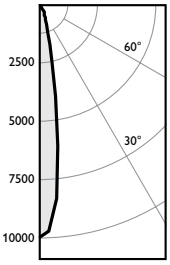
D Distance
L Beam length
W Beam Width
A Aiming Angle
C Distance to center beam
FC Footcandles
CBCP Center Beam Candlepower





Adjustment Factors:

2700K:	0.95
3000K:	1
3500K:	1.02
4000K:	1.04



1500lm Narrow

3DTHL RS 3.0 930 1500lm

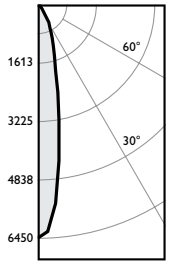
CCT[1]:	3000K
Output lumens:	1665 lms
Input watts[2]:	13.4 W
Efficacy:	124.3 lm/w
CRI:	90 min
CBCP:	10,426 cd
Beam Angle:	17°
Cat No:	1500 NB

30° Aiming Angle
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	188	2.4	2.1
8	4.6	106	3.2	2.8
10	5.8	68	4.0	3.5
12	6.9	47	4.8	4.1

30° Aiming Angle
Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	326	2.6	1.2
3	5.2	145	3.8	1.8
4	6.9	81	5.1	2.4
5	8.7	52	6.4	3.0



1500lm Medium

3DTHL RNF 3.0 930 1500lm

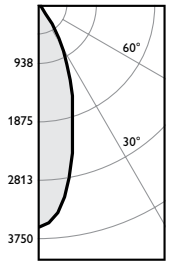
CCT[1]:	3000K
Output lumens:	1641 lms
Input watts[2]:	13.4 W
Efficacy:	122.5 lm/w
CRI:	90 min
CBCP:	6,571 cd
Beam Angle:	20°
Cat No:	1500 MB

30° Aiming Angle
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	119	2.9	2.4
8	4.6	67	3.8	3.3
10	5.8	43	4.8	4.1
12	6.9	30	5.7	4.9

30° Aiming Angle
Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	205	3.1	1.4
3	5.2	91	4.7	2.1
4	6.9	51	6.2	2.8
5	8.7	33	7.8	3.5



1500lm Wide

3DTHL RF 3.0 930 1500lm

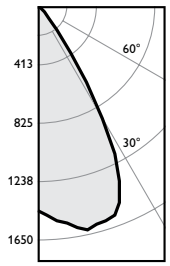
CCT[1]:	3000K
Output lumens:	1654 lms
Input watts[2]:	13.4 W
Efficacy:	123.4 lm/w
CRI:	90 min
CBCP:	3,776 cd
Beam Angle:	35°
Cat No:	1500 WB

30° Aiming Angle
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	68	5.2	4.4
8	4.6	38	7.0	5.8
10	5.8	25	8.7	7.3
12	6.9	17	10.4	8.7

30° Aiming Angle
Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	118	7.2	2.5
3	5.2	52	10.8	3.8
4	6.9	30	14.4	5.0
5	8.7	19	18.0	6.3



1500lm Very Wide

3DTHL RWF 3.0 930 1500lm

CCT[1]:	3000K
Output lumens:	1605 lms
Input watts[2]:	13.4 W
Efficacy:	119.8 lm/w
CRI:	90 min
CBCP:	1,602 cd
Beam Angle:	59°
Cat No:	1500 VWB

30° Aiming Angle
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	29	10.1	7.8
8	4.6	16	13.5	10.5
10	5.8	10	16.9	13.1
12	6.9	7	20.3	15.7

30° Aiming Angle
Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	50	228.0	4.5
3	5.2	22	342.0	6.8
4	6.9	13	456.0	9.1
5	8.7	8	570.0	11.3

1. Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSLG 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.

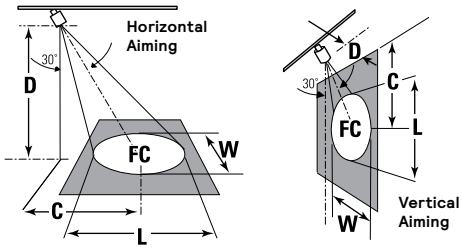
MS Series

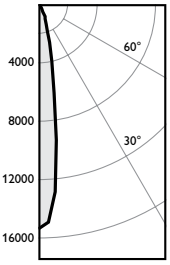
3D Track Heads (2300lm)

Aiming Angles (2300lm)

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





2300lm Narrow

3DTHL RS 3.0 930 2300lm

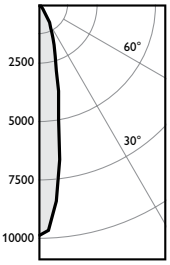
CCT[1]:	3000K
Output lumens:	2509 lms
Input watts[2]:	19.6 W
Efficacy:	128.0 lm/w
CRI:	90 min
CBCP:	17,713 cd
Beam Angle:	17°
Cat No:	2300 NB

30° Aiming Angle
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	320	2.4	2.1
8	4.6	180	3.2	2.8
10	5.8	115	4.0	3.5
12	6.9	80	4.8	4.1

30° Aiming Angle
Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	554	2.6	1.2
3	5.2	246	3.8	1.8
4	6.9	138	5.1	2.4
5	8.7	89	6.4	3.0



2300lm Medium

3DTHL RNF 3.0 930 2300lm

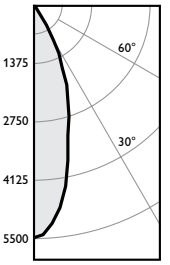
CCT[1]:	3000K
Output lumens:	2473 lms
Input watts[2]:	19.6 W
Efficacy:	126.2 lm/w
CRI:	90 min
CBCP:	9,903 cd
Beam Angle:	20°
Cat No:	2300 MB

30° Aiming Angle
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	179	2.9	2.4
8	4.6	101	3.8	3.3
10	5.8	64	4.8	4.1
12	6.9	45	5.7	4.9

30° Aiming Angle
Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	309	3.1	1.4
3	5.2	138	4.7	2.1
4	6.9	77	6.2	2.8
5	8.7	50	7.8	3.5



2300lm Wide

3DTHL RF 3.0 930 2300lm

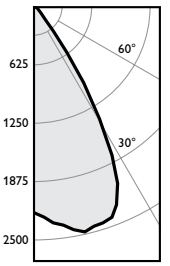
CCT[1]:	3000K
Output lumens:	2419 lms
Input watts[2]:	19.6 W
Efficacy:	123.4 lm/w
CRI:	90 min
CBCP:	5,690 cd
Beam Angle:	35°
Cat No:	2300 WB

30° Aiming Angle
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	103	5.2	4.4
8	4.6	58	7.0	5.8
10	5.8	37	8.7	7.3
12	6.9	26	10.4	8.7

30° Aiming Angle
Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	178	7.2	2.5
3	5.2	79	10.8	3.8
4	6.9	44	14.4	5.0
5	8.7	28	18.0	6.3



2300lm Very Wide

3DTHL RWF 3.0 930 2300lm

CCT[1]:	3000K
Output lumens:	2493 lms
Input watts[2]:	19.6 W
Efficacy:	127.2 lm/w
CRI:	90 min
CBCP:	2,415 cd
Beam Angle:	59°
Cat No:	2300 VWB

30° Aiming Angle
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	44	10.1	7.8
8	4.6	25	13.5	10.5
10	5.8	16	16.9	13.1
12	6.9	11	20.3	15.7

30° Aiming Angle
Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	75	228.0	4.5
3	5.2	34	342.0	6.8
4	6.9	19	456.0	9.1
5	8.7	12	570.0	11.3

1. Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSLG 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.

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