

3D Printing

by  Signify

3D printed lighting

Track Heads

MS Series



Lightolier 3D Printed Track offers superior specification grade beam performance with Signify optics. With a sleek, integrated hinge and internal driver for a contemporary appearance, 3D Printed Track is 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 Track unlike any other trackhead on the market.

Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Qty: _____
 Notes: _____

Fixture

example: 3DTH L GYST LF 06L NB 27K

Series	Adapters	Colors	Textures	Lumens	Beams	CRI/CCT	Version
3DTH	L		LF				1
3DTH MS Series 3D Track Head	L Lightolier	<p>Satin colors</p> <p>WHST White (9003) GYST Grey (9006) DGYS Dark Grey (7043) BKST Black (9004) GDST Gold</p> <p>Metallic colors</p> <p>PUME Purple BLME Blue GNME Green PKME Pink (Rose Gold)</p> <p>Matte colors</p> <p>GNMT Enamel Green BRMT Stone Brown BLMT Steel Blue</p>	LF Layered Fin	<p>06L 600lm 11L 1100lm 23L 2300lm</p>	<p>NB Narrow (17°) MB Medium (22°) WB Wide (34°) VWB Very Wide (60°)</p>	<p>27K 90CRI/2700K 30K 90CRI/3000K 35K 90CRI/3500K 40K 90CRI/4000K</p>	1 Version 1

Note: Different colors, textures & custom logo options are available upon request.

Features

- Customizable:** choose from a wide variety of colors.
- Sustainable:** 3D Printed products produce less carbon emissions when compared to traditional, conventional luminaires.
- Local production:** Printed and assembled in Littlestown, PA.
- Quick delivery:** Created on demand and shipped in weeks.
- Lifetime:** B50L70 lumen maintenance at 50,000 hours.

Dimming Compatibility

Trailing edge (ELV) dimming compatible
SR400RPC120 Philips Sunrise (100 - 5%)
SELV-300P Lutron Skylark (100-7%)
DVELV-300P Lutron Diva (100-7%)
6615-P Leviton Decora (100-12%)

Electrical

Wattage: 600lm = 6W, 1100lm = 11W, 2300lm = 21W
Track Mount: Standard Lightolier track adapter
Input Voltage: 120V
Frequency: 50/60Hz
Power Factor: 0.9
Control: ELV dimming

Mounting

Lightolier track
 Horizontal rotation = 350°
 Vertical tilt = 90°

Labels

cULus Listed
 5 year warranty
 IP20 & RoHS

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.tailored.lighting.philips.com/en/us/MS-Series/default.aspx>



interact
ready.

MS Series

3D Track Heads (600lm, 1100lm & 2300lm)

Colors



WHST Satin White



GYST Satin Grey



DGYS Satin Dark Grey



BKST Satin Black



GDST Satin Gold



PUME Metallic Purple



BLME Metallic Blue



GNME Metallic Green



PKME Metallic Pink (Rose Gold)



GNMT Matte Enamel Green

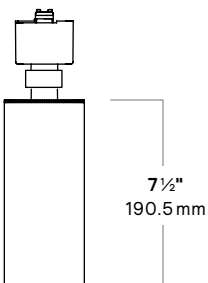


BRMT Matte Stone Brown



BLMT Matte Steel Blue

Dimensions



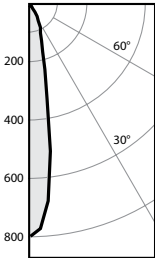
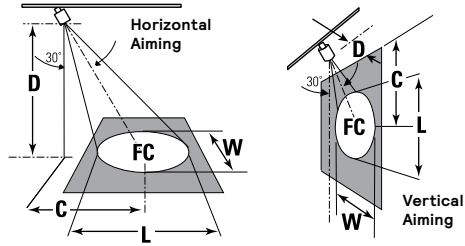
MS Series

3D Track Heads (600lm, 1100lm & 2300lm)

Aiming Angles (600lm)

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



600lm Narrow

3DTH L GYST LF 06L NB 30K

CCT¹: 3000K
Output lumens: 657 lms
Input watts²: 6 W
Efficacy: 109.5 lm/w
CRI: 90 min
CBCP: 3,697 cd

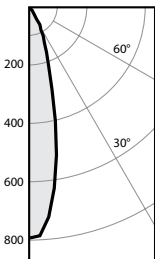
Beam Angle: 18°
Report No: 1475

30° Aiming Angle Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	67	2.6	2.2
8	4.6	38	3.4	2.9
10	5.8	24	4.3	3.7
12	6.9	17	5.1	4.4

30° Aiming Angle Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	116	2.7	1.3
3	5.2	51	4.1	1.9
4	6.9	29	5.5	2.5
5	8.7	18	6.9	3.2



600lm Medium

3DTH L GYST LF 06L MB 30K

CCT¹: 3000K
Output lumens: 629 lms
Input watts²: 6 W
Efficacy: 104.8 lm/w
CRI: 90 min
CBCP: 2,487 cd

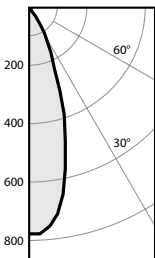
Beam Angle: 24°
Report No: 1491

30° Aiming Angle Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	45	3.5	2.9
8	4.6	25	4.6	3.9
10	5.8	16	5.8	4.9
12	6.9	11	6.9	5.9

30° Aiming Angle Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	78	3.9	1.7
3	5.2	35	5.9	2.6
4	6.9	19	7.9	3.4
5	8.7	12	9.8	4.3



600lm Wide

3DTH L GYST LF 06L WB 30K

CCT¹: 3000K
Output lumens: 610 lms
Input watts²: 6 W
Efficacy: 101.7 lm/w
CRI: 90 min
CBCP: 1,510 cd

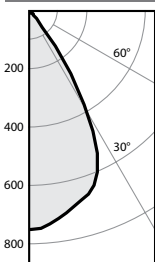
Beam Angle: 35°
Report No: 1491

30° Aiming Angle Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	27	5.2	4.4
8	4.6	15	7.0	5.8
10	5.8	10	8.7	7.3
12	6.9	7	10.4	8.7

30° Aiming Angle Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	47	7.2	2.5
3	5.2	21	10.8	3.8
4	6.9	12	14.4	5.0
5	8.7	8	18.0	6.3



600lm Very Wide

3DTH L GYST LF 06L VWB 30K

CCT¹: 3000K
Output lumens: 617 lms
Input watts²: 6 W
Efficacy: 102.8 lm/w
CRI: 90 min
CBCP: 755 cd

Beam Angle: 59°
Report No: 1491

30° Aiming Angle Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	14	10.1	7.8
8	4.6	8	13.5	10.5
10	5.8	5	16.9	13.1
12	6.9	3	20.3	15.7

30° Aiming Angle Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	24	228.0	4.5
3	5.2	10	342.0	6.8
4	6.9	6	456.0	9.1
5	8.7	4	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.

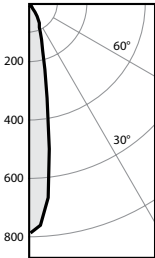
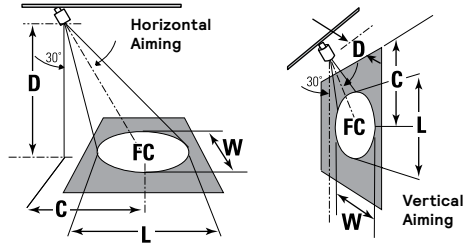
MS Series

3D Track Heads (600lm, 1100lm & 2300lm)

Aiming Angles (1100lm)

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



1100lm Narrow

3DTH L GYST LF 11L NB 30K

CCT ¹ :	3000K
Output lumens:	1052 lms
Input watts ² :	11 W
Efficacy:	95.6 lm/w
CRI:	90 min
CBCP:	5,915 cd

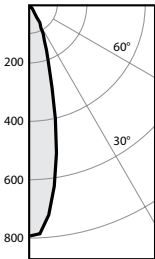
Beam Angle: 18°
Report No: 1475

30° Aiming Angle
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	107	2.6	2.2
8	4.6	60	3.4	2.9
10	5.8	38	4.3	3.7
12	6.9	27	5.1	4.4

30° Aiming Angle
Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	185	2.7	1.3
3	5.2	82	4.1	1.9
4	6.9	46	5.5	2.5
5	8.7	30	6.9	3.2



1100lm Medium

3DTH L GYST LF 11L MB 30K

CCT ¹ :	3000K
Output lumens:	1007 lms
Input watts ² :	11 W
Efficacy:	91.5 lm/w
CRI:	90 min
CBCP:	3,983 cd

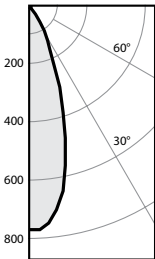
Beam Angle: 24°
Report No: 1491

30° Aiming Angle
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	72	3.5	2.9
8	4.6	40	4.6	3.9
10	5.8	26	5.8	4.9
12	6.9	18	6.9	5.9

30° Aiming Angle
Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	124	3.9	1.7
3	5.2	55	5.9	2.6
4	6.9	31	7.9	3.4
5	8.7	20	9.8	4.3



1100lm Wide

3DTH L GYST LF 11L WB 30K

CCT ¹ :	3000K
Output lumens:	976 lms
Input watts ² :	11 W
Efficacy:	88.7 lm/w
CRI:	90 min
CBCP:	2,416 cd

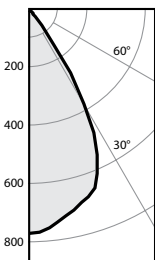
Beam Angle: 35°
Report No: 1491

30° Aiming Angle
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	44	5.2	4.4
8	4.6	25	7.0	5.8
10	5.8	16	8.7	7.3
12	6.9	11	10.4	8.7

30° Aiming Angle
Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	76	7.2	2.5
3	5.2	34	10.8	3.8
4	6.9	19	14.4	5.0
5	8.7	12	18.0	6.3



1100lm Very Wide

3DTH L GYST LF 11L VWB 30K

CCT ¹ :	3000K
Output lumens:	988 lms
Input watts ² :	11 W
Efficacy:	89.8 lm/w
CRI:	90 min
CBCP:	1,207 cd

Beam Angle: 59°
Report No: 1491

30° Aiming Angle
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	22	10.1	7.8
8	4.6	12	13.5	10.5
10	5.8	8	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	38	228.0	4.5
3	5.2	17	342.0	6.8
4	6.9	9	456.0	9.1
5	8.7	6	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.

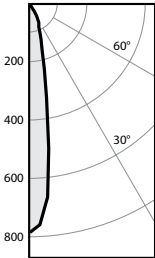
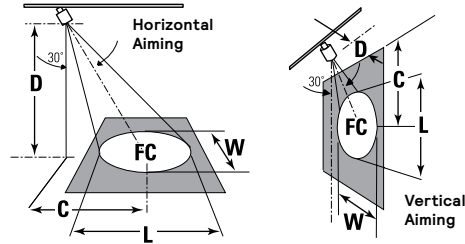
MS Series

3D Track Heads (600lm, 1100lm & 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

3DTH L GYST LF 23L NB 30K

CCT¹: 3000K
Output lumens: 2191 lms
Input watts²: 22 W
Efficacy: 99.6 lm/w
CRI: 90 min
CBCP: 12,322 cd

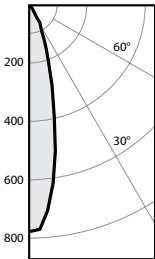
Beam Angle: 18°
Report No: 1475

30° Aiming Angle
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	222	2.6	2.2
8	4.6	125	3.4	2.9
10	5.8	80	4.3	3.7
12	6.9	56	5.1	4.4

30° Aiming Angle
Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	385	2.7	1.3
3	5.2	171	4.1	1.9
4	6.9	96	5.5	2.5
5	8.7	62	6.9	3.2



2300lm Medium

3DTH L GYST LF 23L MB 30K

CCT¹: 3000K
Output lumens: 2098 lms
Input watts²: 22 W
Efficacy: 95.4 lm/w
CRI: 90 min
CBCP: 8,297 cd

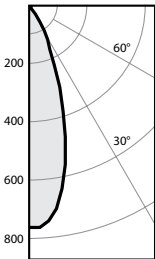
Beam Angle: 24°
Report No: 1491

30° Aiming Angle
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	150	3.5	2.9
8	4.6	84	4.6	3.9
10	5.8	54	5.8	4.9
12	6.9	37	6.9	5.9

30° Aiming Angle
Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	259	3.9	1.7
3	5.2	115	5.9	2.6
4	6.9	65	7.9	3.4
5	8.7	41	9.8	4.3



2300lm Wide

3DTH L GYST LF 23L WB 30K

CCT¹: 3000K
Output lumens: 2033 lms
Input watts²: 22 W
Efficacy: 92.4 lm/w
CRI: 90 min
CBCP: 5,034 cd

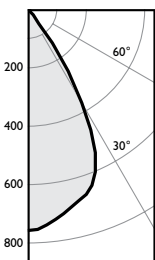
Beam Angle: 35°
Report No: 1491

30° Aiming Angle
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	91	5.2	4.4
8	4.6	51	7.0	5.8
10	5.8	33	8.7	7.3
12	6.9	23	10.4	8.7

30° Aiming Angle
Vertical Illuminance on floor

D	C	F.C.	L	W
2	3.5	157	7.2	2.5
3	5.2	70	10.8	3.8
4	6.9	39	14.4	5.0
5	8.7	25	18.0	6.3



2300lm Very Wide

3DTH L GYST LF 23L VWB 30K

CCT¹: 3000K
Output lumens: 2058 lms
Input watts²: 22 W
Efficacy: 93.5 lm/w
CRI: 90 min
CBCP: 2,515 cd

Beam Angle: 59°
Report No: 1491

30° Aiming Angle
Horizontal Illuminance on floor

D	C	F.C.	L	W
6	3.5	45	10.1	7.8
8	4.6	26	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	79	228.0	4.5
3	5.2	35	342.0	6.8
4	6.9	20	456.0	9.1
5	8.7	13	570.0	11.3

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.

