

DESCRIPTION

High efficacy low profile track fixture ideal for accent and display lighting applications. Featuring die cast construction with a simple low profile design. These lampholders are perfect for those applications where performance is required from a discreet source.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES**Quick Lock Adapter**

Attaches electrically and mechanically anywhere along the track. Includes discrete locking tab that locks the luminaire on the track and allows for easy removal and repositioning.

Driver Housing

Die-cast and extruded aluminum housing incorporates the lamp control circuit.

Heat Sink

Aluminum die-cast heat sink provides exceptional thermal management to yield 70% lumen maintenance after 50,000 hours of operation.

Luminaire Arm

Arm allows the lamp housing tilt to adjust +/- 90° horizontally. This enables the ballast housing to remain static on the track creating a clean look while providing full aiming capabilities.

LED Light Engine

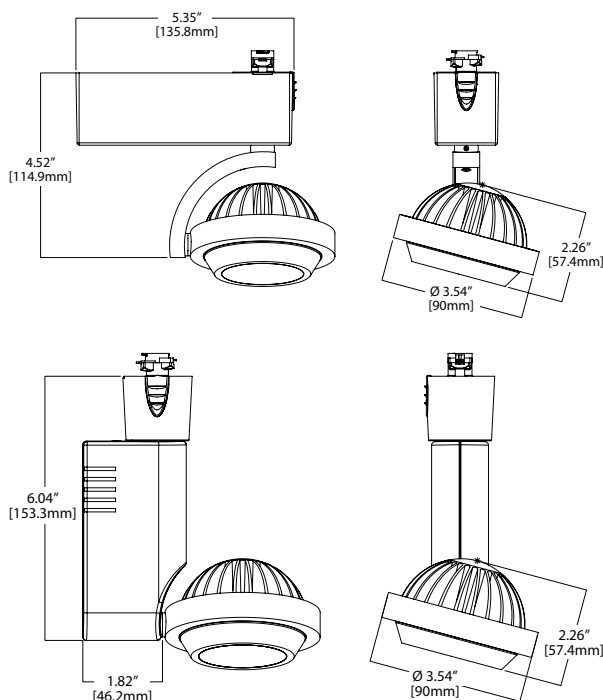
Equipped with (5) 3-Watt white LEDs. Configurable optic allows for 3 optical distributions and can be changed in the field to adjust to the current lighting need. CRI of 85.

Dimming

The 806/807SM is dimmable to 15% with electronic low voltage equipment. (ELV dimmers need a neutral connection in the wall box.) See our website for dimmer compatibility guide www.cooperlighting.com.

Compliance

UL/cUL listed for use with Halo Power-Trac and Lazer Track. UL/cUL classified for Juno [See Footnote #1 in Ordering Information below], Lightolier [See Footnote #2 below], and Global [See Footnote #3 below] TEK/HTEK Track.

**L806SM****L807SM**

L806SM
L807SM
Halo LED

12W

3000 K	CBCP
Spot 14°	11,119
Wide Spot 19°	6,482
Narrow Flood 30°	2,639
Flood 40°	1,622

Lighting Data
3000 K Spot

Lumens:	1073
Lumens per watt:	89
Watts at 120VAC	12.06

Energy Data:

Input Power:	12.06W
Power Factor:	>.9
Input Current:	.149 Amps

ORDERING INFORMATION

SAMPLE NUMBER: L806SMFL830AH (Halo or Lazer Track connector, Spot Distribution, 3000 K, with Aluminum Haze Finish)

Track	LED	Beam	CRI	CCT	Finish	Voltage	Accessories (order separately)
L=Halo and Lazer Power-Trac LJ=Juno® Track¹ LL=Lightolier® Track² L2G=Global® TEK or HTEK³	806SM=806SM 807SM=807SM	SP=Spot 14° WS=Wide Spot 18° NF=Narrow Flood 28° FL=Flood 44°	80=80+	27=2700 K 30=3000 K 40=4000 K	AH=Aluminum Haze MB=Black P=White	277=277 VAC (Only with HTEK) [Blank]=120V	OPK8067SMSP=Kit, Optics 806SM, 807SM, Spot OPK8067SMWS=Kit, Optics 806SM, 807SM, Wide Spot OPK8067SMNF=Kit, Optics 806SM, 807SM, Narrow Flood OPK8067SMFL=Kit, Optics 806SM, 807SM, Flood

NOTES: 1. Juno® T single circuit and 2-circuit track contact. Juno® is a registered trademark of Juno® Lighting. 2. Lightolier® Lyfespan 6000 single circuit and 2 circuit track contact. Lightolier® is a registered trademark of Philips Lighting. 3. Global® is a registered trademark of Nordic Aluminum.

PHOTOMETRICS

Color Temp = 3000K
2700K Multiplier = 0.92
4000K Multiplier = 1.05

L806SMSP8030 / L807SMSP8030

Spot: 14
CBCP: 11,119
Lumens: 1073
LpW: 89

0 deg Aiming Angle Horizontal Footcandles					30 deg Aiming Angle Horizontal Footcandles					30 deg Aiming Angle Vertical Footcandles on Wall				
D	FC	L	W		D	FC	L	W	CB	D	FC	L	W	CB
4	686	1.5	1.5		4	445	2	1.6	2.3	2	428	2.5	1.3	3.5
6	305	2.2	2.2		6	198	3	2.4	3.5	3	190	3.8	2	5.2
7	224	2.6	2.6		7	145	3.5	2.8	4	4	107	5	2.7	6.9
8	171	3	3		8	111	4	3.2	4.6	5	68	6.3	3.3	8.7
9	135	3.3	3.3		9	88	4.4	3.6	5.2	6	48	7.5	4	10.4
10	110	3.7	3.7		10	71	4.9	4	5.8	8	27	10	5.3	13.9
13	65	4.8	4.8		13	42	6.4	5.2	7.5	10	17	12.5	6.6	17.3
16	43	6	6		16	28	7.9	6.4	9.2	12	12	15	8	20.8

L806SMWS8030 / L807SMWS8030

Wide Spot: 18
CBCP: 6,482
Lumens: 1000
LpW: 83

0 deg Aiming Angle Horizontal Footcandles					30 deg Aiming Angle Horizontal Footcandles					30 deg Aiming Angle Vertical Footcandles on Wall				
D	FC	L	W		D	FC	L	W	CB	D	FC	L	W	CB
4	400	2	2		4	261	2.6	2.3	2.3	2	257	3.2	1.8	3.5
6	178	3	3		6	116	3.9	3.4	3.5	3	114	4.9	2.6	5.2
7	131	3.5	3.5		7	85	4.5	4	4	4	64	6.5	3.5	6.9
8	100	4	4		8	65	5.1	4.5	4.6	5	41	8.1	4.4	8.7
9	79	4.6	4.6		9	52	5.8	5.1	5.2	6	29	9.7	5.3	10.4
10	64	5.1	5.1		10	42	6.4	5.6	5.8	8	16	12.9	7	13.9
13	38	6.6	6.6		13	25	8.4	7.3	7.5	10	10	16.2	8.8	17.3
16	25	8.1	8.1		16	16	10.3	9	9.2	12	7	19.4	10.6	20.8

L806SMNF8030 / L807SMNF8030

Narrow Flood: 28
CBCP: 2,639
Lumens: 934
LpW: 75

0 deg Aiming Angle Horizontal Footcandles					30 deg Aiming Angle Horizontal Footcandles					30 deg Aiming Angle Vertical Footcandles on Wall				
D	FC	L	W		D	FC	L	W	CB	D	FC	L	W	CB
4	165	3.1	3.1		4	115	4	3.6	2.3	2	125	4.2	2.7	3.5
6	73	4.7	4.7		6	51	5.9	5.3	3.5	3	56	6.3	4	5.2
7	54	5.5	5.5		7	38	6.9	6.2	4	4	31	8.4	5.4	6.9
8	41	6.3	6.3		8	29	7.9	7.1	4.6	5	20	10.5	6.7	8.7
9	33	7.1	7.1		9	23	8.9	8	5.2	6	14	12.6	8	10.4
10	26	7.9	7.9		10	18	9.9	8.9	5.8	8	8	16.9	10.7	13.9
13	16	10.2	10.2		13	11	12.9	11.6	7.5	10	5	21.1	13.4	17.3
16	10	12.6	12.6		16	7	15.9	14.2	9.2	12	3	25.3	16.1	20.8

L806SMFL8030 / L807SMFL8030

Flood: 44
CBCP: 1,622
Lumens: 919
LpW: 77

0 deg Aiming Angle Horizontal Footcandles					30 deg Aiming Angle Horizontal Footcandles					30 deg Aiming Angle Vertical Footcandles on Wall				
D	FC	L	W		D	FC	L	W	CB	D	FC	L	W	CB
4	101	4.1	4.1		4	76	5	4.6	2.3	2	117	3.8	3.1	3.5
6	45	6.2	6.2		6	34	7.5	6.9	3.5	3	52	5.7	4.7	5.2
7	33	7.2	7.2		7	25	8.7	8	4	4	29	7.5	6.2	6.9
8	25	8.3	8.3		8	19	9.9	9.2	4.6	5	19	9.4	7.8	8.7
9	20	9.3	9.3		9	15	11.2	10.3	5.2	6	13	11.3	9.3	10.4
10	16	10.3	10.3		10	12	12.4	11.5	5.8	8	7	15.1	12.4	13.9
13	10	13.4	13.4		13	7	16.2	14.9	7.5	10	5	18.8	15.5	17.3
16	6	16.6	16.6		16	5	19.9	18.3	9.2	12	3	22.6	18.7	20.8

Notes and Definitions:

Beam spread is to 50% center beam candlepower (CBCP.)
D=Distance in feet to floor or wall.
FC=Footcandles on floor or wall at center beam aiming location.
L=Effective Visual Beam length in feet (50% of maximum footcandle level.)
W=Effective Visual Beam width in feet (50% of maximum footcandle level.)
CB=Distance in feet across or down to center beam location.

