Description

The Mini Integrated LED Track fixture series is sleek, compact and ideal for accent or display lighting. Featuring die cast construction with an elegant design, these integrated luminaires are ideal for retail store construction, hospitality, other light commercial, or residential applications where superior performance is desired. The mini-series is sized and designed to replace traditional MR16 lamp holders but delivers additional lumens, longer life and excellent optical performance.

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.

LED Light Engine
- Chip on board LED provides a uniform source with high efficiency and no pixilation.
- Available in 90 CRI minimum, R9 greater than 50 and color accuracy within 3 SDCM provide uniformity.
- Available in 2700K, 3000K, 3500K and 4000K fixed CCT.

Optics
- The design allows for optics to be changed in the field and adjust as necessary.
- Available in spot, flood and narrow flood distributions

Media
- Precision machined trim ring contains unique locking mechanism, and can accept 1 piece of standard 2" MR16 media.
- See below for list of compatible media accessories and refer to instruction document for further details on installation.

Luminaire Arm
- Arm allows the lamp housing tilt to adjust 90° vertically and 355° horizontally. This enables a clean look while providing full aiming capabilities.

Dimming
- Designed for continuous dimming capability to nominally 5% with many 120V Leading Edge (LE) and Trailing Edge (TE) Phase Control dimmers.
- Consult dimming guide for list of recommended dimmers or dimmer manufacturer for compatibility and conditions of use
- Dimming only available with 120V configurations.

Driver
- Fixtures are equipped with a 15W integral Universal voltage (120V – 277V), 50/60 Hz constant current driver that provides noise free operation.

Compliance
- cULus certified for use with Halo single circuit PowerTrac & Global® TEK/HTEK track
- EMI/RFI emissions per FCC 47CFR Part 15 Class B consumer limits.
- Contains no mercury or lead and RoHS compliant.
- Photometric testing in accordance with IES LM-79-08.
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11.

Warranty
Five year limited warranty, consult website for details.
cooperlighting.com

Halo Mini Series L811

LED Track Head

90 CRI

Efficiency Standards T24 Can be used to comply with 2016 Title 24 Part 6 LED Light Source Requirements (JA8)

CERTIFIED SAFETY

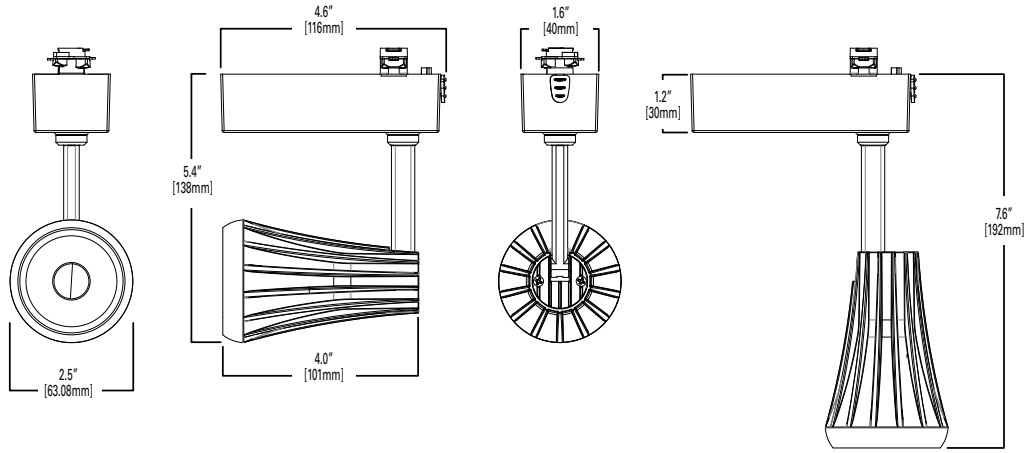
DLC QPL LISTED

CBCP	800	1100
Spot 15°	6722	9375
Narrow Flood 22°	4462	5325
Flood 37°	1730	2640

Lighting Data - 3000K Spot		
Lumens	788	1100
Lumens per Watt	75	71.0

Energy Data		
Input Power	10.5W	15.5W
Power Factor	≥.99	≥.99
Input Current	0.09	0.128

Dimensions



Ordering Information

SAMPLE NUMBER: L81111SP9030SL (Halo Track adapter, 1100 lumen, Spot Distribution, 90 CRI, 3000K, with Silver Finish)

Track System	Series / Style	Lumen Package	Distribution	CRI	Color Temp	Finish	Voltage
L= Halo and Lazer Power Trac **LJ**=Juno® Track[1] **LL**=Lightolier® Track[2]	**811**=Mini LED Accent Fixture	**11**=1100 lumens **08**=800 lumens	**SP**=Spot (15°) **NF**=Narrow Flood (22°) **FL**=Flood (38°)	**90**=90	**27**=2700K **30**=3000K **35**=3500K **40**=4000K	**P**=White **MB**=Matte Black **SL**=Silver	**Blank**=120V

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.

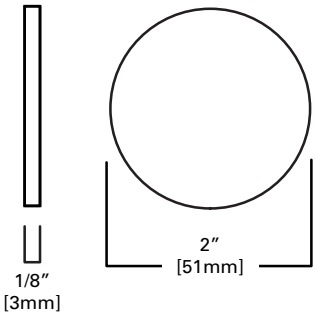
Select models are DesignLights™ Consortium Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.

Accessories (order separately)

L100 Series
2" 50mm UV and Color Filters

For use with MR16 and LED lampholders. Make a power lighting statement by injecting soft or intense hues to accent any space.

L112=Red Gel Filter
L114=Ultraviolet, Dichoric Filter
L120=Red, Dichoric Filter
L121=Amber, Dichoric Filter
L122=Yellow, Dichoric Filter
L123=Green, Dichoric Filter
L124=Daylight Blue, Dichoric Filter
L125=Blue, Dichoric Filter
L127=Cosmetic (2700K), Dichoric Filter
L131=Amber, Gel Filter



L100 Series UV and Color Filters

L100 Series
Optical Lenses

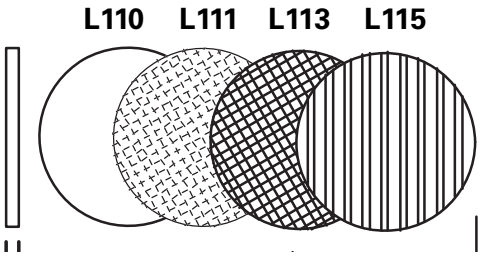
L110N=Diffuse Sandblasted Lens
Provides an even beam spread from MR16 lamps - especially useful in wall washing.

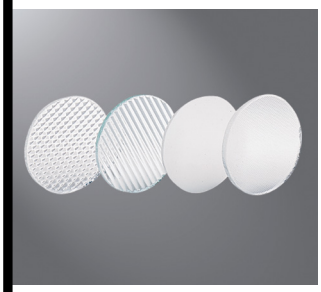
L111=Soft Focus Lens
Smooths irregular beam pattern while maintaining high controlled illumination levels and beam angles of MR16 lamps.

L113=Prismatic Spread Lens
Provides a symmetrical broadening of MR16 lamp beams. Suitable when a wide, uniform light distribution is required.

L115=Linear Spread Lens
Fans out the MR16 beam 55° (27-1/2° to each side) to produce a wide rectangular pattern.

L100MB=Expanded metal louver
Miniature black finished hexagonal-cell louver - controls light spill while retaining lamp optics.





L100 Series Optical Lenses

811xOPK
Interchangable Optics

811SPOPK = 811 or 812 Spot Optic
811NFOPK = 811 or 812 Narrow Flood Optic
811FLOPK = 811 or 812 Flood Optic

811xOPK Interchangle Optic

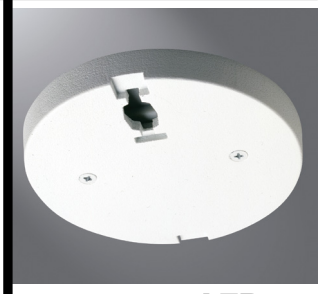
L1973
Track Monopoint

L1973=description

L1973 Monopoint

LZR210
Lazer Track Monopoint

LZR210=description



LZR210 Monopoint

Photometry - 800 Lumen

L811 - MB

Color Temp = 3000K	0 deg Aiming Angle Horizontal Footcandles			
4000K Multiplier = 1.083	MH	FC	L	W
Spot: 15D CBCP: 6406 Lumens: 788 LPW: 76	5'	256.2	1.2	1.2
	7.5'	113.9	2	2
	10'	64.1	2.6	2.6
	12.5'	41	3.2	3.2
	15'	28.5	4	4

30 deg Aiming Angle Horizontal Footcandles				
MH	FC	L	W	CB
5'	169.2	1.6	1.4	2.9
7.5'	75.2	2.6	2.2	4.3
10'	42.3	3.4	3	5.8
12.5'	27.1	4.3	3.8	7.2
15'	18.8	5.2	4.4	8.7

30 deg Aiming Angle Vertical Footcandles on Wall				
D	FC	L	W	CB
3'	104.6	2.6	1.4	5.2
4'	58.8	3.6	1.8	6.9
5'	37.7	4.5	2.4	8.7
6'	26.1	5.4	2.8	10.4

60 deg Aiming Angle Vertical Footcandles on Wall				
D	FC	L	W	CB
3'	470	1	0.8	1.7
4'	264.4	1.3	1.2	2.3
5'	169.2	1.6	1.4	2.9
6'	117.5	2	1.8	3.5

Color Temp = 3000K	0 deg Aiming Angle Horizontal Footcandles			
4000K Multiplier = 1.083	MH	FC	L	W
Spot: 22D CBCP: 4461 Lumens: 773 LPW: 74	5'	178.4	1.6	1.6
	7.5'	79.3	2.6	2.6
	10'	44.6	3.4	3.4
	12.5'	28.5	4.4	4.4
	15'	19.8	5.2	5.2

30 deg Aiming Angle Horizontal Footcandles				
MH	FC	L	W	CB
5'	120.4	2.2	2	2.9
7.5'	53.5	3.3	3	4.3
10'	30.1	4.5	4	5.8
12.5'	19.3	5.5	5	7.2
15'	13.4	6.7	6	8.7

30 deg Aiming Angle Vertical Footcandles on Wall				
D	FC	L	W	CB
3'	82.6	2.9	1.8	5.2
4'	46.5	3.8	2.4	6.9
5'	29.7	4.8	3	8.7
6'	20.7	5.8	3.6	10.4

60 deg Aiming Angle Vertical Footcandles on Wall				
D	FC	L	W	CB
3'	334.5	1.3	1.2	1.7
4'	188.2	1.7	1.6	2.3
5'	120.4	2.2	2	2.9
6'	83.6	2.6	2.4	3.5

Color Temp = 3000K	0 deg Aiming Angle Horizontal Footcandles			
4000K Multiplier = 1.083	MH	FC	L	W
Spot: 38D CBCP: 1727 Lumens: 813 LPW: 78	5'	69.1	3	3
	7.5'	30.7	4.6	4.6
	10'	17.3	6.2	6.2
	12.5'	11.1	7.8	7.8
	15'	7.7	9.4	9.4

30 deg Aiming Angle Horizontal Footcandles				
MH	FC	L	W	CB
5'	49.5	3.5	3.4	2.9
7.5'	22	5.4	5.2	4.3
10'	12.4	7.2	6.8	5.8
12.5'	7.9	9	8.6	7.2
15'	5.5	10.9	10.4	8.7

30 deg Aiming Angle Vertical Footcandles on Wall				
D	FC	L	W	CB
3'	45.4	3.3	2.8	5.2
4'	25.5	4.4	3.6	6.9
5'	16.3	5.6	4.6	8.7
6'	11.4	6.7	5.6	10.4

60 deg Aiming Angle Vertical Footcandles on Wall				
D	FC	L	W	CB
3'	137.6	2.1	2	1.7
4'	77.4	2.9	2.6	2.3
5'	49.5	3.5	3.4	2.9
6'	34.4	4.3	4	3.5

Notes and Definitions

Beam spread is to 50% center beam candlepower (CBCP).

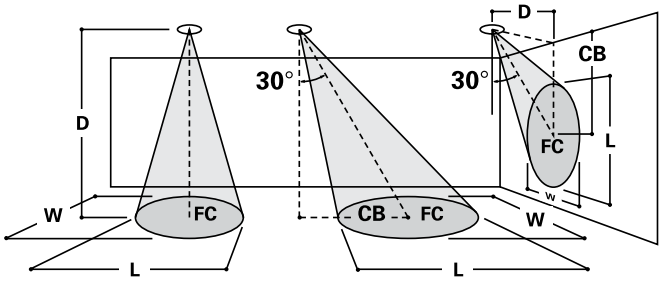
D= Distance in feet to floor or wall.

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



Photometry - 1100 Lumen

L811 - MB

Color Temp = 3000K	**0 deg Aiming Angle Horizontal Footcandles**			
4000K Multiplier = 1.118	**MH**	**FC**	**L**	**W**
Spot: 15D **CBCP:** 9375 **Lumens:** 1100 **LPW:** 71	**5'**	375	1.2	1.2
	7.5'	166.7	2	2
	10'	93.8	2.6	2.6
	12.5'	60	3.2	3.2
	15'	41.7	4	4

30 deg Aiming Angle Horizontal Footcandles				
MH	**FC**	**L**	**W**	**CB**
5'	250.9	1.6	1.4	2.9
7.5'	111.5	2.5	2.2	4.3
10'	62.7	3.4	3	5.8
12.5'	40.1	4.2	3.8	7.2
15'	27.9	5.1	4.4	8.7

30 deg Aiming Angle Vertical Footcandles on Wall				
D	**FC**	**L**	**W**	**CB**
3'	157.5	2.5	1.4	5.2
4'	88.6	3.5	1.8	6.9
5'	56.7	4.3	2.4	8.7
6'	39.4	5.2	2.8	10.4

60 deg Aiming Angle Vertical Footcandles on Wall				
D	**FC**	**L**	**W**	**CB**
3'	697	1	0.8	1.7
4'	392.1	1.3	1.2	2.3
5'	250.9	1.6	1.4	2.9
6'	174.3	2	1.8	3.5

Color Temp = 3000K	**0 deg Aiming Angle Horizontal Footcandles**			
4000K Multiplier = 1.118	**MH**	**FC**	**L**	**W**
Spot: 22D **CBCP:** 5325 **Lumens:** 1040 **LPW:** 67	**5'**	212.2	1.8	1.8
	7.5'	94.3	2.8	2.8
	10'	53.1	3.6	3.6
	12.5'	34	4.6	4.6
	15'	23.6	5.6	5.6

30 deg Aiming Angle Horizontal Footcandles				
MH	**FC**	**L**	**W**	**CB**
5'	144.8	2.3	2	2.9
7.5'	64.4	3.5	3	4.3
10'	36.2	4.6	4.2	5.8
12.5'	23.2	5.8	5.2	7.2
15'	16.1	6.8	6.2	8.7

30 deg Aiming Angle Vertical Footcandles on Wall				
D	**FC**	**L**	**W**	**CB**
3'	101.5	2.8	1.8	5.2
4'	57.1	3.8	2.4	6.9
5'	36.5	4.8	3	8.7
6'	25.4	5.8	3.8	10.4

60 deg Aiming Angle Vertical Footcandles on Wall				
D	**FC**	**L**	**W**	**CB**
3'	402.3	1.3	1.2	1.7
4'	226.3	1.8	1.6	2.3
5'	144.8	2.3	2	2.9
6'	100.6	2.7	2.4	3.5

Color Temp = 3000K	**0 deg Aiming Angle Horizontal Footcandles**			
4000K Multiplier = 1.118	**MH**	**FC**	**L**	**W**
Spot: 38D **CBCP:** 2640 **Lumens:** 1220 **LPW:** 79	**5'**	105.6	3	3
	7.5'	46.9	4.6	4.6
	10'	26.4	6.2	6.2
	12.5'	16.9	7.8	7.8
	15'	11.7	9.2	9.2

30 deg Aiming Angle Horizontal Footcandles				
MH	**FC**	**L**	**W**	**CB**
5'	75.8	3.7	3.4	2.9
7.5'	33.7	5.5	5	4.3
10'	19	7.5	6.8	5.8
12.5'	12.1	9.3	8.4	7.2
15'	8.4	11.2	10.2	8.7

30 deg Aiming Angle Vertical Footcandles on Wall				
D	**FC**	**L**	**W**	**CB**
3'	70.2	3.3	2.6	5.2
4'	39.5	4.5	3.6	6.9
5'	25.3	5.7	4.4	8.7
6'	17.5	6.8	5.4	10.4

60 deg Aiming Angle Vertical Footcandles on Wall				
D	**FC**	**L**	**W**	**CB**
3'	210.6	2.1	2	1.7
4'	118.4	2.9	2.6	2.3
5'	75.8	3.7	3.4	2.9
6'	52.6	4.4	4	3.5

Notes and Definitions

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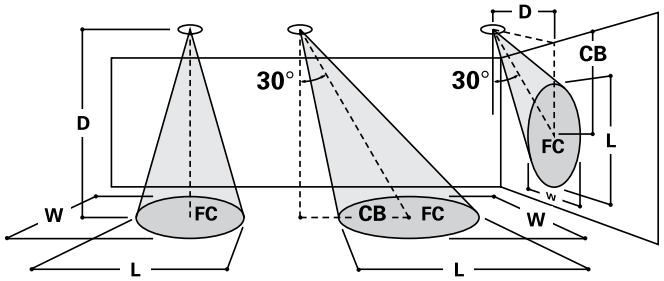

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