

PHILIPS LIGHTOLIER

Track lighting

OmniSpot LED

LC10, 12W / 1000lm



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

OmniSpot LED cylinder is designed to meet the most demanding retail lighting challenges through sleek and discrete aesthetics while providing a high center beam candlepower and efficacy performance. OmniSpot LED cylinder allows for less than 1" of space between the track head and track in the ceiling.

Fixture

example: LC10930WTECW

Series	Adapters	Lumens	CRI/CCT	Finishes	Dimming	Options
LC	<input type="checkbox"/>	10	<input type="checkbox"/>	<input type="checkbox"/>	TE	<input type="checkbox"/>
LC OmniSpot LED cylinder	— Lightolier H Halo J Juno C Capri ¹ P Prospec ¹ GT Global TEK	10 1000lm	827 80CRI/2700K 830 80CRI/3000K 835 80CRI/3500K 840 80CRI/4000K 927 90CRI/2700K 930 90CRI/3000K	AL Aluminum ¹ BK Matte Black W Matte White	TE Trailing edge (ELV)	— None (leave blank)
			930 90CRI/3000K	See above finishes	TE Trailing edge (ELV)	CW CrispWhite

Reflector

example: LLMRNS

Series	Beam spreads (ordered separately)
LLM	<input type="checkbox"/>
LLM Reflector for 1000lm	RNS 12° Narrow Spot RS 18° Spot RNF 24° Narrow Flood RF 36° Flood

- Capri (C) and Prospec (P) adapters are not available in aluminum finish.
- Aperture ring on the fixture can hold a maximum of 1 film and 1 snoot.
- Accessory holder can hold a maximum of 1 hex cell, 1 film, and 1 snoot.
- Hex cell needs to be ordered with an Accessory holder.

Accessories²

example: LC10AHWH

Series	Finishes/Types
<input type="checkbox"/>	<input type="checkbox"/>
LC10AH Accessory holder ³	WH Matte White
LC10SN Snoot	BK Matte Black
	AL Aluminum
7472 Hex cell (matte black) ⁴	
LC10 Diffusion film	SY Symmetrical Spread
	SF Soft Focus
	LS Linear Spread
	FR Frosted Etched

Features

- LED board:** COB LED.
- Integrated housing heat sink:** Impact extrusion aluminum maintains LED junction temperature for min of 50,000 hr lifetime (pending) at 70% lumen maintenance.
- Track attachment fitting:** Locking lever for mechanical/electrical connection.
- Aperture Ring:** Included with luminaire. Die cast aluminum, powder coated to match other components. Easily threads on and off without use of tools to access reflector and install accessories. Accepts a maximum of 1 film and 1 snoot.
- Mounting arm:** Die-cast aluminum.
- Movable brass contact:** Brass extends for connection to 2nd circuit (Advent track only).
- Pivot mounts:** Allows for 350° horizontal. Vertical rotation of +/- 90° from vertical aim to the floor.
- Interchangeable optics:** High efficiency metalized coating providing up to 98% total reflectivity for optimal light quality, beam control and punch. Reflector has lens attached which protects reflector finish and LEDs from contamination. Tool-less installation. Reflector sold separately to allow field replaceability.
- Finishes:** Powder coated.

Electrical (electronic power supply)

Input voltage: 120V, 60Hz Input power: 12W
 Efficacy: 98lm/W (nominal) @ 3000K
 High power factor: >0.9 CRI: 80-85 (typical)

Labels

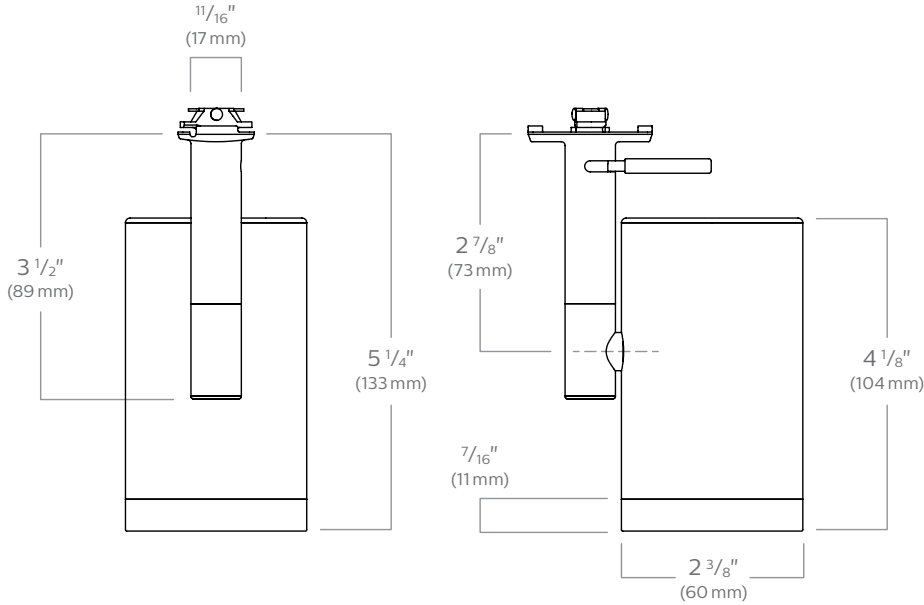
cULus Listed.
 5 year warranty.
 ENERGY STAR[®] certified (except any combinations containing CrispWhite, 80CRI 40K, or accessories).



LC10 OmniSpot LED

Cylinder, 1000lm (12 W)

Dimensions



Dimming

Trailing edge (ELV) dimming compatible

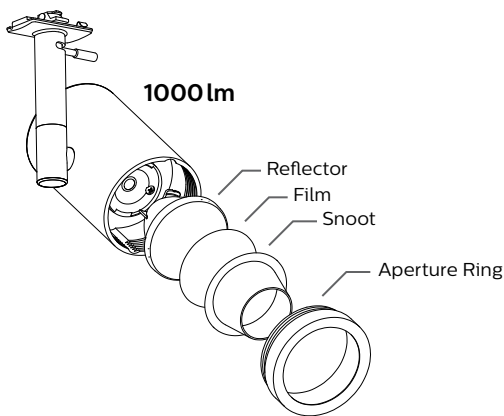
- SR400RPC120** Philips Sunrise (100 - 5%)
- SELV-300P** Lutron Skylark (100-7%)
- DVELV-300P** Lutron Diva (100-7%)
- 6615-P** Leviton Decora (100-12%)

Mounting

Compatible with all Monopoint, Multipoint, recessed track, suspension track, as well as Basic, Advent and Radius track systems. Can be wall mounted vertically or horizontally. Cannot be used with extension wands.

	Beam spread (To 50% CBCP)	CBCP	Rated Life (Hrs.)
LLMRNS Narrow Spot	12°	14,160	50,000
LLMRS Spot	18°	7,103	50,000
LLMRNF Narrow Flood	24°	4,891	50,000
LLMRF Flood	36°	2,680	50,000

Accessories (ordered separately)



Hex cell louvers
7472 = 2" dia.



Only available in matte black. Must order the accessory holder to hold the hex cell louver.

Snoot
LC10SN = 2" dia.



Diffusion/special films
LC10 = 2" dia.

-  **LS** Linear spread film
-  **FR** Frosted etched film
-  **SF** Soft focus film
-  **SY** Symmetrical spread film

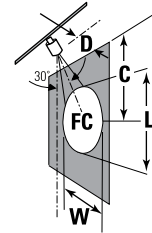
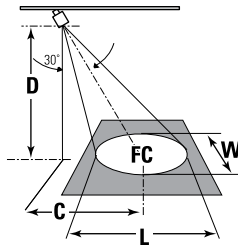
LC10 OmniSpot LED

Cylinder, 1000 lm (12 W)

Aiming angles

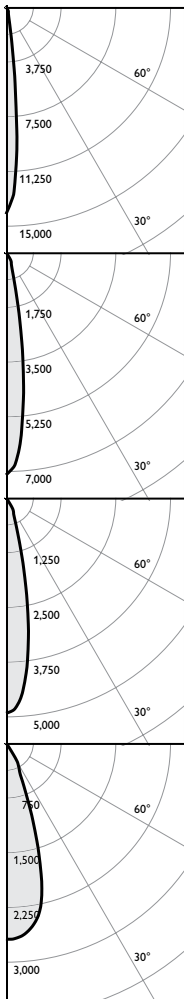
L and W are the outer points where the candle power drops to 50% of the maximum. FC are the initial footcandles at the center of the beam. Data shown is for 3000K, use the table on the right for CRI/CCT adjustment factors.

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



Adjustment factors

CRI	CCT	Multiplier
80	2700K	0.95
	3000K	1.00
	3500K	1.02
	4000K	1.03
90	2700K	0.79
	3000K	0.82
90CW	3000K	0.7



Fixture: LC10830ALTE Reflector: LLMRNS

CCT¹: 3000K
 Output lumens: 1083 lms
 Input watts²: 11.1 W
 Efficacy: 97.6 lm/w
 CRI: 80 min
 CBCP: 14,160 cd
 Beam Angle: 12°
 Field Angle: 24°
 Report no³: 924GFR

Narrow Spot

30° Horizontal Aiming

Distance	Beam				
	D	C	F.C.	L	W
6	3.5	255	1.7	1.5	
8	4.6	144	2.3	1.9	
10	5.8	92	2.8	2.4	
12	6.9	64	3.4	2.9	

30° Horizontal Aiming

Distance	Beam				
	D	C	F.C.	L	W
2	3.5	443	1.7	0.8	
3	5.2	197	2.6	1.3	
4	6.9	111	3.5	1.7	
5	8.7	71	4.3	2.1	

Fixture: LC10830ALTE Reflector: LLMRS

CCT¹: 3000K
 Output lumens: 1068 lms
 Input watts²: 11.1 W
 Efficacy: 96.2 lm/w
 CRI: 80 min
 CBCP: 7,103 cd
 Beam Angle: 18°
 Field Angle: 37°
 Report no³: 923GFR

Spot

30° Horizontal Aiming

Distance	Beam				
	D	C	F.C.	L	W
6	3.5	128	2.6	2.2	
8	4.6	72	3.4	2.9	
10	5.8	46	4.3	3.7	
12	6.9	32	5.1	4.4	

30° Horizontal Aiming

Distance	Beam				
	D	C	F.C.	L	W
2	3.5	222	2.7	1.3	
3	5.2	99	4.1	1.9	
4	6.9	55	5.5	2.5	
5	8.7	36	6.9	3.2	

Fixture: LC10830ALTE Reflector: LLMRNF

CCT¹: 3000K
 Output lumens: 1057 lms
 Input watts²: 11.1 W
 Efficacy: 95.2 lm/w
 CRI: 80 min
 CBCP: 4,891 cd
 Beam Angle: 24°
 Field Angle: 46°
 Report no³: 922GFR

Narrow Flood

30° Horizontal Aiming

Distance	Beam				
	D	C	F.C.	L	W
6	3.5	88	3.3	2.8	
8	4.6	50	4.4	3.8	
10	5.8	32	5.5	4.7	
12	6.9	22	6.6	5.6	

30° Horizontal Aiming

Distance	Beam				
	D	C	F.C.	L	W
2	3.5	153	3.7	1.6	
3	5.2	68	5.6	2.4	
4	6.9	38	7.4	3.3	
5	8.7	24	9.3	4.1	

Fixture: LC10830ALTE Reflector: LLMRF

CCT¹: 3000K
 Output lumens: 1050 lms
 Input watts²: 11.1 W
 Efficacy: 94.6 lm/w
 CRI: 80 min
 CBCP: 2,680 cd
 Beam Angle: 36°
 Field Angle: 62°
 Report no³: 921GFR

Flood

30° Horizontal Aiming

Distance	Beam				
	D	C	F.C.	L	W
6	3.5	48	5.4	4.5	
8	4.6	27	7.2	6.0	
10	5.8	17	9.0	7.5	
12	6.9	12	10.8	9.0	

30° Horizontal Aiming

Distance	Beam				
	D	C	F.C.	L	W
2	3.5	84	7.6	2.6	
3	5.2	37	11.4	3.9	
4	6.9	21	15.2	5.2	
5	8.7	13	19.0	6.5	

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

