

PHILIPS LIGHTOLIER

Track

Alcyon LED

Vertical cylinder,
LLAV20, 28W/2000lm



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

Alcyon LED Vertical Cylinders are ideal for display, accent and task lighting and offer higher efficiency than incandescent or halogen sources leading to energy savings with no ultraviolet or infrared radiation. Alcyon provides concentrated light which dramatically draws interest to objects and elements in a space.

Fixture

example: LLAV2040AL

Series	Lumens	CRI/CCT*	Adapter	Finish	Options
LLAV	20				
LLAV Alcyon LED vertical cylinder	20 28W 2000lm	27 80CRI/2700K 30 80CRI/3000K 40 80CRI/4000K 927 90CRI/2700K 930 90CRI/3000K ¹	— Lightolier H Halo J Juno P Prospec ²	WH White AL Alum. BK Black	— no options CW CrispWhite ¹

Reflector

example: LLAV11RNF

Series	Lumens	Reflector
LLAV	11	
LLAV Alcyon LED cylinder	11 Compatible with 10W/600lm, 15W/1000lm & 28W/2000lm	RNS 10° Narrow Spot RS 18° Spot RNF 24° Narrow flood RF 36° Flood

Accessories

example: LLA11SNBK

Series	Finish
LLAV11AH Accessory holder with spring	WH White AL Aluminum BK Black
LLA11SN Compatible snoot	WH White BK Black
LLAV11 Compatible diffusion filters	LS Linear Spread SY Symmetrical Spread SF Soft Focus FR Frosted Etched

Compatible color filters/gels provided by others

LLAHCA11 Compatible hex cell louver
(matte black)

1. CrispWhite (CW) is only available with 90CRI /
3000K CCT (930).
2. Prospec is only offered in White (WH) and Black (BK).

Features

- LED board:** COB LED.
- Integrated housing heat sink:** die-cast aluminum maintains LED junction temperature for minimum 50,000 hr lifetime at 70% lumen maintenance.
- Track attachment fitting:** Integral color in gray, black or white. Molded polycarbonate. Rotates into track and locks into place with the use of push tabs. Located at center of mass to allow for fixture to hang vertically straight on track and with extensions wands and other track accessories.
- Push tab:** Molded polycarbonate. Locks and detaches unit.
- Track adapter housing:** 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.
- Driver housing:** Extruded aluminum housing with die-cast aluminum covers.
- 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:** Painted with a baked enamel. Contains some powder coated finishes.

Dimming

Trailing edge (ELV) dimming compatible
SR400RPC120 Philips Controls Sunrise (3.97%)
ZP425QE Philips Controls (13.97%)
SELV-300P Lutron Skylark (4.03%)
IPE04 Leviton Decora (4.01%)

Mounting

Compatible with all Monopoint, Multipoint, recessed track, suspension track, suspension stems, sloped ceiling adapters as well as Basic, Advent and Radius track systems. Ceiling and horizontal or vertical wall mounted (adapters available for Prospec, Halo, Juno and ConTech).

Electrical

Electronic power supply
 Input voltage: 120V, 60Hz
 Input power: 28W
 Efficacy: 64lm/W (nominal) @ 3000K
 High power factor: >0.9
 CRI: 80-85 (typical)

Labels

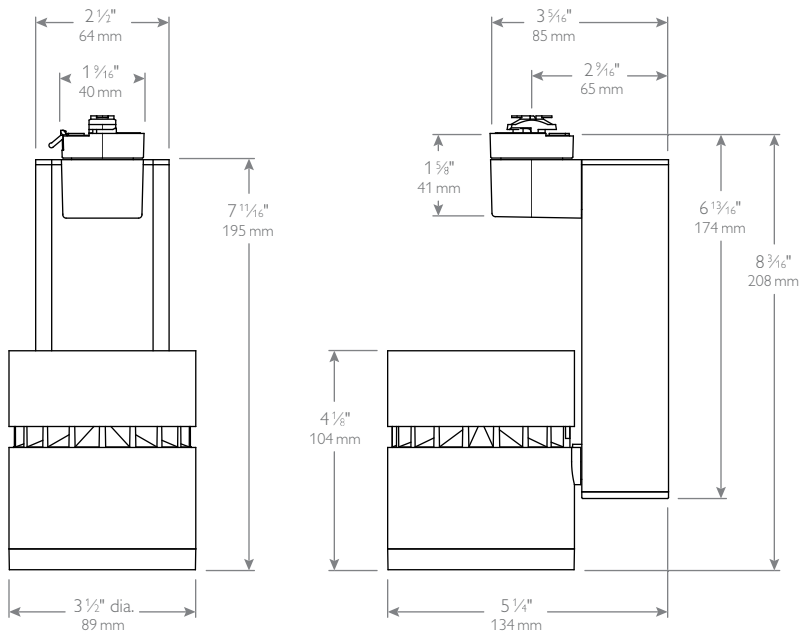
cULus Listed.
 5 year warranty.
 ENERGY STAR® certified
 (without accessories).



LLAV20 Alcyon LED

Vertical Cylinder, 28 W / 2000 lm

Dimensions



	Beam spread (To 50% CBCP)	CBCP	Rated Life (Hrs.)
LLAV11RNS Narrow Spot	10°	30,533	50,000
LLAV11RS Spot	18°	12,246	50,000
LLAV11RNF Narrow Flood	24°	8,484	50,000
LLAV11RF Flood	36°	5,018	50,000

Note: LLAV11R is used on 600/1000/2000lm fixture

Accessories



Alcyon LED track lighting offers a full range of high performance accessories for tinting, coloring and shaping of the light beam. All accessories are designed to attach easily. A complete accessory consists of a size and series suffix.

Components

1. Housing
2. Reflector
3. Accessory holder
4. Accessory spring
5. Diffusion filters
6. Hex cell louver
7. Snoot
8. Aperture ring

Diffusion/special filters

LLAV11 = 3-1/8" dia.

- LS** Linear spread lens
- FR** Frosted etched lens
- SF** Solite soft focus lens
- SY** Soft Focus lens

Hex cell louvers

LLAHCA11 = 3-1/8" dia.



Only available in matte black

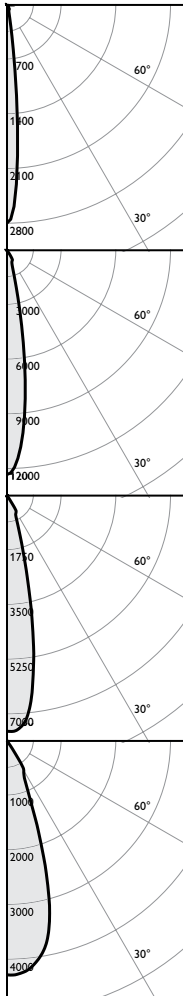
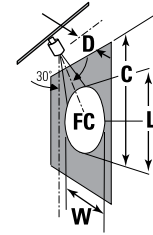
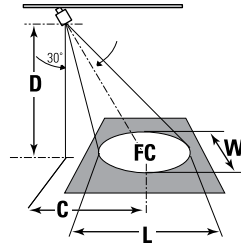
LLAV20 Alcyon LED

Vertical Cylinder, 28 W / 2000 lm

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, for 2700K multiply FC by 0.91.

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



Track: LLAV2030 Reflector: LLAV11RNS

CCT¹: 3000K
Output lumens: 1785 lms
Input watts²: 28 W
Efficacy: 63.8 lm/w
CRI: 80 min
CBCP: 28,130 cd
Beam Angle: 10°
Field Angle: 21°
Report no³: 729GFR

Track: LLAV2030 Reflector: LLAV11RS

CCT¹: 3000K
Output lumens: 1770 lms
Input watts²: 27.9 W
Efficacy: 63.4 lm/w
CRI: 80 min
CBCP: 12,133 cd
Beam Angle: 18°
Field Angle: 33°
Report no³: 728GFR

Track: LLAV2030 Reflector: LLAV11RNF

CCT¹: 3000K
Output lumens: 1754 lms
Input watts²: 27.9 W
Efficacy: 62.9 lm/w
CRI: 80 min
CBCP: 7,556 cd
Beam Angle: 24°
Field Angle: 46°
Report no³: 727GFR

Track: LLAV2030 Reflector: LLAV11RF

CCT¹: 3000K
Output lumens: 1742 lms
Input watts²: 27.9 W
Efficacy: 62.4 lm/w
CRI: 80 min
CBCP: 4,269 cd
Beam Angle: 36°
Field Angle: 64°
Report no³: 726GFR

Narrow Spot

30° Horizontal Aiming

Distance		Beam		
D	C	F.C.	L	W
6	3.5	508	3.0	2.6
8	4.6	285	4.0	3.4
10	5.8	183	5.0	4.3
12	6.9	127	6.0	5.1

Spot

30° Horizontal Aiming

Distance		Beam		
D	C	F.C.	L	W
6	3.5	219	4.9	4.1
8	4.6	123	6.5	5.5
10	5.8	79	8.1	6.8
12	6.9	55	9.8	8.2

Narrow Flood

30° Horizontal Aiming

Distance		Beam		
D	C	F.C.	L	W
6	3.5	136	7.2	5.9
8	4.6	77	9.6	7.8
10	5.8	49	12.0	9.8
12	6.9	34	14.5	11.8

Flood

30° Horizontal Aiming

Distance		Beam		
D	C	F.C.	L	W
6	3.5	77	11.5	8.7
8	4.6	43	15.3	11.5
10	5.8	28	19.2	14.4
12	6.9	19	23.0	17.3

30° Horizontal Aiming

Distance		Beam		
D	C	F.C.	L	W
2	3.5	879	3.3	1.5
3	5.2	391	5.0	2.2
4	6.9	220	6.6	3.0
5	8.7	141	8.3	3.7

30° Horizontal Aiming

Distance		Beam		
D	C	F.C.	L	W
2	3.5	379	6.4	2.4
3	5.2	169	9.6	3.6
4	6.9	95	12.9	4.7
5	8.7	61	16.1	5.9

30° Horizontal Aiming

Distance		Beam		
D	C	F.C.	L	W
2	3.5	236	14.8	3.4
3	5.2	105	22.2	5.1
4	6.9	59	29.6	6.8
5	8.7	38	37.0	8.5

30° Horizontal Aiming

Distance		Beam		
D	C	F.C.	L	W
2	3.5	133	N/A	5.0
3	5.2	59	N/A	7.5
4	6.9	33	N/A	10.0
5	8.7	21	N/A	12.5

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.

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