

AES "WOLF" - WALK-ON LIGHT FIXTURE FOR CLEANROOMS

3" AES CEILING SYSTEM - AES3ROL LED SERIES

PRODUCT FEATURES

- Recessed ceiling mount; Flange, Top Access - 1'x4', 2'x2', 2'x4'
- One piece overlapping door for 3" thick AES Ceiling
- LED lamp sources for accurate color rendition and lighting performance

SPECIFICATIONS

- **HOUSING:** 16-Gauge CRS. Four-piece welded construction.
- **TOP ACCESS DOOR:** Full size 16-gauge CRS continuous door has flanged return, two D-ring recessed finger latches, and door secured to housing with 8 (2'x2') or 10 (1'x4' or 2'x4') stainless steel 8-32 Philips flat head screws – recessed into top access door.
- **DOORFRAME:** 18-Gauge 304SS. One-piece 60° beveled perimeter construction. Continuous lens retention system. Doorframe attaches to housing with 6 locknuts (2'x2') or 8 locknuts (1'x4' or 2'x4'). No fasteners visible from room side, tethered with steel aircraft cables.
- **LENS:** .125" high impact diffused acrylic lens sealed to perimeter ledge of lens aperture with silicone sealant and secured with continuous lens retention system.
- **GASKET MATERIALS:** One-piece closed cell extruded silicone gasket seals doorframe to ceiling structure. Closed cell extruded silicone gasketing seals top access door to housing.
- **FINISH:** White TGIC polyester powder coat 5 step pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%.
- **ELECTRICAL:** Available 3500K, 4000K and 5000K color temperatures. 120-277VAC, 347VAC, 50/60Hz electrical input with serviceable high power factor electronic, constant-current driver (<20% THD, >0.95 PF). Standard 0-10V dimming with 3-100% range.
- **FIXTURE DESIGNED TO FIT:** 3" thick AES walk on type ceiling system.
- **WARRANTY:** Limited five (5) year warranty.
- **LISTINGS:** UL and CUL Listed for Wet Location. UL certified IP65 in compliance with IEC 60598. NSF2 Splash/Non-Food Zone. FED-STD-209E/Class 100 (ISO 5) Cleanrooms.



1'x4'

2'x2'

2'x4'



ORDERING INFORMATION (Ex: AES3ROL-24-67L40K-DCC-DV-2F-2H-SYM)

Model	Size	Lamp Type	Driver	Voltage	Doorframe	Housing	Optics	Options
AES3ROL			DCC			2H	SYM	
	Size		Driver Type			Housing Options		
	14 1'x4'		DCC Dimming Constant Current			2H 20-Ga CRS (STD)		
	22 2'x2'						Optics	
	24 2'x4'		Voltage				SYM Symmetric, Diffused DR Acrylic	
		Lamp Type	DV 120/277VAC, 50/60Hz					Options
		1'x4'	347† 347VAC					LEL Emergency Battery Pack
		45L35K 45 Watt 3500K LED (82 CRI)			Doorframe Options			FS Fuse & Holder
		45L40K 45 Watt 4000K LED (82 CRI)			5F 18-Ga Type 304 SS (STD)			FN** Food Zone/Non-Contact
		45L50K 45 Watt 5000K LED (82 CRI)			2F 18-Ga CRS			
		67L35K 67 Watt 3500K LED (82 CRI)			XF 18-Ga Type 316 SS			
		67L40K 67 Watt 4000K LED (82 CRI)			PAF .063" Painted Fabricated Aluminum			
		67L50K 67 Watt 5000K LED (82 CRI)						** Lensing consists of FDA approved Food Zone clear polycarbonate outer lens and diffused acrylic inner lens.
	2'x2'							† n/a with LEL option
	45L35K 45 Watt 3500K LED (82 CRI)							
	45L40K 45 Watt 4000K LED (82 CRI)							
	45L50K 45 Watt 5000K LED (82 CRI)							
	67L35K† 67 Watt 3500K LED (82 CRI)							
	67L40K† 67 Watt 4000K LED (82 CRI)							
	67L50K† 67 Watt 5000K LED (82 CRI)							
	2'x4'							
	45L35K 45 Watt 3500K LED (82 CRI)							
	45L40K 45 Watt 4000K LED (82 CRI)							
	45L50K 45 Watt 5000K LED (82 CRI)							
	67L35K 67 Watt 3500K LED (82 CRI)							
	67L40K 67 Watt 4000K LED (82 CRI)							
	67L50K 67 Watt 5000K LED (82 CRI)							
	90L35K 90 Watt 3500K LED (82 CRI)							
	90L40K 90 Watt 4000K LED (82 CRI)							
	90L50K 90 Watt 5000K LED (82 CRI)							
	135L35K 135 Watt 3500K LED (82 CRI)							
	135L40K 135 Watt 4000K LED (82 CRI)							
	135L50K 135 Watt 5000K LED (82 CRI)							

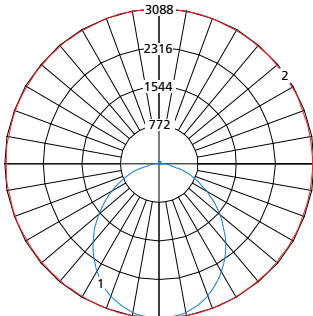
JOB NAME & #	
FIXTURE TYPE	
CATALOG NUMBER	
APPROVED BY & DATE	

PERFORMANCE

Model	Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
		@ 25°C	Efficacy (lm/W)			
AES3ROL14	45L35K	4835	97	50	94	80,000
	45L40K	5154	103	50	94	80,000
	45L50K	5360	107	50	94	80,000
	67L35K	7191	97	74	66	80,000
	67L40K	7666	104	74	66	80,000
	67L50K	7973	108	74	66	80,000
AES3ROL22	45L35K	4780	96	50	94	80,000
	45L40K	5096	102	50	94	80,000
	45L50K	5300	106	50	94	80,000
	67L35K	7109	96	74	66	80,000
	67L40K	7579	102	74	66	80,000
	67L50K	7882	107	74	66	80,000
AES3ROL24	45L35K	4834	97	50	94	80,000
	45L40K	5153	103	50	94	80,000
	45L50K	5359	107	50	94	80,000
	67L35K	7189	97	74	66	80,000
	67L40K	7664	104	74	66	80,000
	67L50K	7970	108	74	66	80,000
	90L35K	9180	92	100	94	60,000
	90L40K	9787	98	100	94	60,000
	90L50K	10179	102	100	94	60,000
	135L35K	14144	94	150	94	60,000
	135L40K	15079	101	150	94	60,000
	135L50K	15683	105	150	94	60,000

Displayed information is for selected luminaires only.

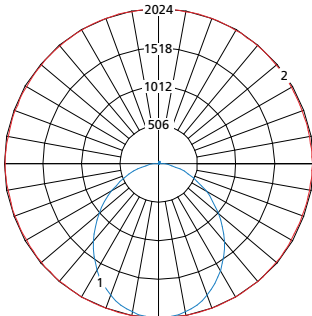
Model: AES3ROL14-67L40K-DCC-DV



Maximum Candela = 3088 Located At Horizontal Angle = 15, Vertical Angle = 2.5

- 1 - Vertical Plane Through Horizontal Angles (15-195) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

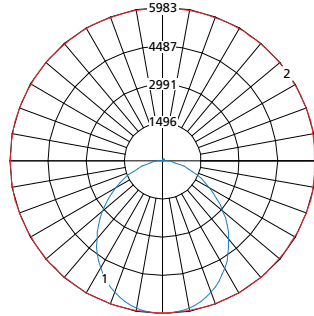
Model: AES3ROL22-45L40K-DCC-DV



Maximum Candela = 2024 Located At Horizontal Angle = 15, Vertical Angle = 2.5

- 1 - Vertical Plane Through Horizontal Angles (15-195) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

Model: AES3ROL24-135L40K-DCC-DV

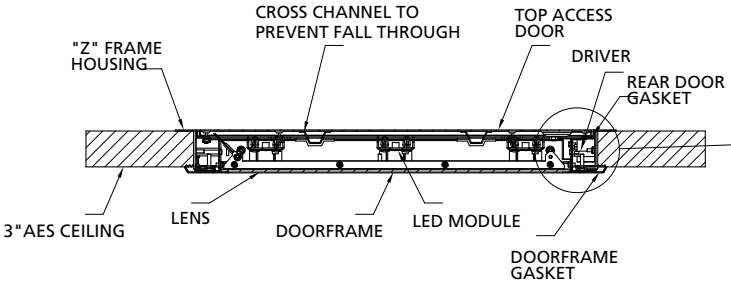


Max Candela = 5983 Located At Horizontal Angle = 15, Vertical Angle = 2.5

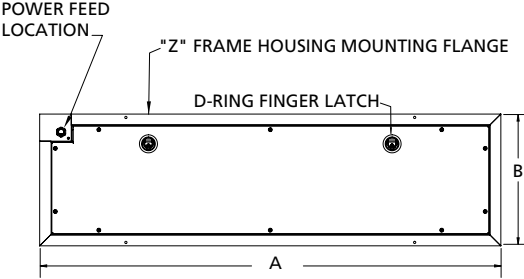
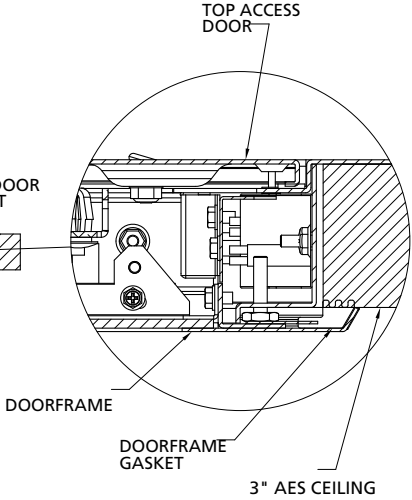
- 1 - Vertical Plane Through Horizontal Angles (15 - 195) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

DIMENSIONAL DATA

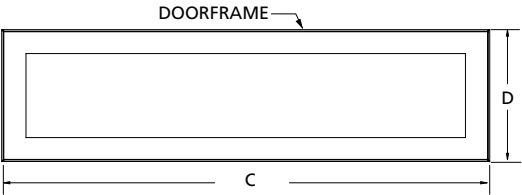
Cross Section



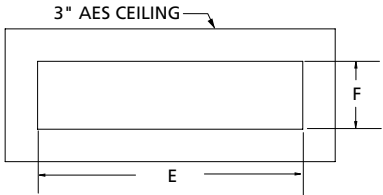
Detail View



Top View



Bottom View



Recommended Ceiling Cutout

DIMENSIONAL DATA (IN INCHES)						
	A	B	C	D	E	F
1x4	51.11	14.60	50.11	13.54	49.06	12.56
2x2	27.11	24.60	26.11	23.54	25.06	22.56
2x4	51.11	24.60	50.11	23.54	49.06	22.56