

Project	
Notes	
Type	Date
Cat. No.	

SCB™ Series

Slim-Profile Circular LED High Bay



DESCRIPTION

The Aleo SCB™ Series Slim-Profile Circular High Bay delivers industry-leading performance with a durable, heavy-duty construction. Superior performance, ultra high-efficacy and premium quality provides a robust solution for high ceiling applications, especially warehouse spaces. Delivering high output, quality light and low energy consumption can improve warehouse safety and productivity, lower maintenance cost, and reducing operating costs.

APPLICATIONS

Provides high output illumination for various commercial industrial applications with high ceilings: warehouse, manufacturing, gymnasiums, cold-storage, wash-down areas

Specification Features

Construction

Rugged, die-cast housing with advanced thermal management system ensures reliability and durability. Weather-proof, gasketed driver compartment protects electronics against environmental elements. IP66, wet location.

Optical System

Diffuser lens reduces glare and improves occupant working conditions while maintaining high efficiency emission.

Certification

UL Listed. Wet location rated. All components have UL certification. UL Class 2. Driver: SCP, OTP, OVP protection, FCC Part 15 Class B, UL8750 Class 2. DLC Premium.

Warranty

7-year Limited Warranty. See warranty documentation for more information.

Electrical

Luminaire utilizes high-efficacy LED packages maintained at cool temperatures for long life, high efficacy. Reliable driver features continuous dimming. Universal voltage (120-277V) for convenient installation. Comes equipped standard with 4' black SJTOW cord.

Installation / Mounting

Single point mount for hook, pendant, or stem mounting

Controls / Dimming

Continuous dimming (0-10V) comes standard. Suitable for use with dimmers, sensors, daylight harvesting and other control strategies to achieve deeper energy-savings and code compliance.



SCB Series

19L 150W
25L 200W

Rated Life 75,000 hours
Limited Warranty 7-years
Efficacy Up to 130 LPW
Continuous Dimming



Quick Ship

SCB-19L/50K
SCB-25L/50K

Ordering Information

Example: SCB-19L/50K-OSDL

SCB	19L	50	[Blank]	[Blank]	Options
Series SCB Slim Circular High Bay	Nominal Lumen Package 19L 19,000 lm (150W) 25L 25,000 lm (200W)	Color Temp 50K 5000K	Input Voltage Blank 120V-277V	Dimming Blank 0-10V Continuous Dimming	Controls OSDL Occ. Sensor w/ Daylight



Specifications and Dimensions subject to change without notice.

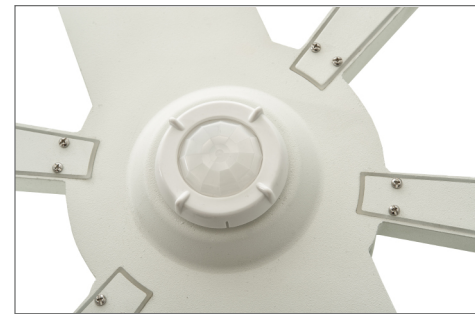
Performance Summary

Input Voltage	120V-277V
Input Frequency	50/60 Hz
Rated Wattage	See Performance Table
Delivered Lumens	See Performance Table
Efficacy	> 125 LPW (typ.)
CRI	70+, R9 > 0
Available CCT ¹	5000K
Color Consistency ²	5-step MacAdam Ellipse
Rated Life	75,000 hours
L70 ³	> 54,000
Power Factor	> 0.9
THD	< 20%
Dimming	0-10V Continuous (10-100%)
Operating Temp.	-18 C to 40 C
IP Rating	IP66, Wet Location



Multi-level Occupancy Sensor

PIR Occupancy Sensor with Daylight function
Code-compliance



Performance Data

Catalog No.	Rated Wattage (W)	Tested Wattage (W)	5000K	
			Delivered Lumens (lm)	Efficacy (lm/W)
SCB-19L/xxK	151	152	19,113	127
SCB-25L/xxK	191	191	24,616	129



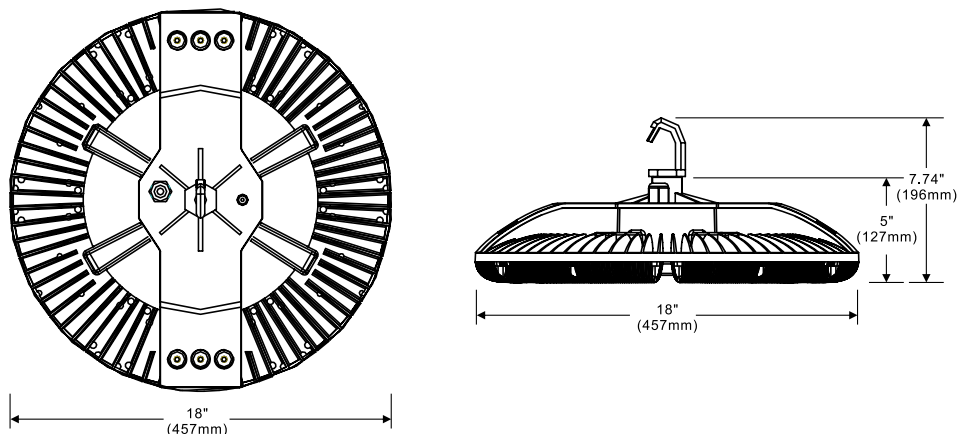
NOTES:

- ¹ Quick ship: 4000K. Other CCTs may require a lead time or be special order
- ² Typical color consistency. May vary or be changed.
- ³ L70 hours calculated based on LED package manufacturer LM80 report and ISTMT report of LED in luminaire. Stated values are for select catalog numbers. Contact manufacturer for detailed information

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Product Dimensions



Control Pre-Commissioning

Example: SCB-19L/50K-OSDL L2-10H-3L-10M-30M

L2	10H	3L	10M	30M
Lens / Coverage	High Level	Low Level	Time Delay	Cut-Off
L2 8' height (48' dia.)	10H 100%	1L 10%	30S 30 sec.	#M 1-59 min.
L3 20' height (40' dia.)	9H 90%	2L 20%	#M 1-30 min.	#H 1-5 hrs.
L4 40' height (60' dia.)	8H 80%	3L 30%	# = enter no. of minutes from 1 to 30 min.	0 Disabled
L7 40' height (100' dia.)	7H 70%	4L 40%		# = enter no. of minutes or hours
	6H 60%	5L 50%		
	5H 50%	6L 60%		
		7L 70%		

High Level When the sensor detects motion the dimming control output ramps up to the selected HIGH light level.

Low Level After the sensor stops detecting motion and the time delay expires the dimming control output fades down to the selected LOW light level.

Time Delay The selected time period that must elapse after the last time the sensor detects motion for the electric lights to fade to LOW mode

Cut-Off The time period that must elapse after the lights fade to LOW mode and the sensor detects no motion for the electric lights to turn OFF.

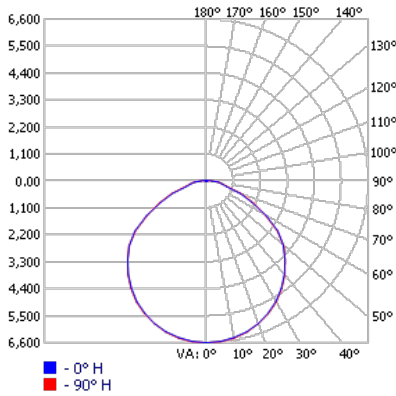
Ramp Up Time period for light level to increase from LOW to HIGH.

Fade Down Time period for light level to decrease from HIGH to LOW.

Photometric Data

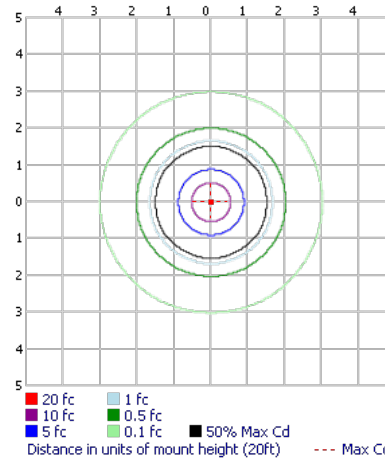
SCB-19L/40K Tested in accordance to IESNA LM-79

Polar Graph



Zonal Lumen Summary

ZONE	LUMENS	% LUMINAIRE
0-30	5,165.90	27.10%
0-40	8,502.00	44.50%
0-60	15,126.10	79.20%
60-90	3,623.20	19%
70-100	1,727.00	9%
90-120	286.5	1.50%
0-90	18,749.30	98.20%
90-180	342	1.80%
0-180	19,091.20	100%

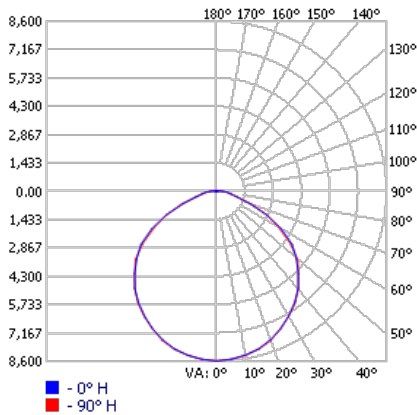


Illuminance at a Distance - Max. 30 ft.

HEIGHT(FT)	FOOTCANDLE	HORIZONTAL	VERTICAL	HORIZONTAL	VERTICAL
6	183.17 FC	18.1	18.3	69.5	64.3
12	45.79 FC	36.2	36.6	139	128.7
18	20.35 FC	54.3	54.9	208.5	193
24	11.45 FC	72.4	73.2	277.9	257.3
30	7.33 FC	90.5	91.5	347.4	321.7

SCB-25L/40K Tested in accordance to IESNA LM-79

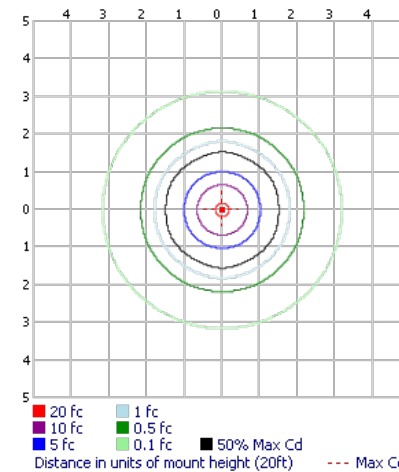
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90-120	286.5	1.50%
0-90	18,749.30	98.20%
90-180	342	1.80%
0-180	19,091.20	100%

Isofootcandle Plot at 20 ft. Mounting Height



Illuminance at a Distance - Max. 30 ft.

HEIGHT(FT)	FOOTCANDLE	HORIZONTAL	VERTICAL	HORIZONTAL	VERTICAL
6	238.25 FC	18	18.6	60.6	56.8
12	59.56 FC	36	37.2	121.2	113.6
18	26.47 FC	54.1	55.8	181.8	170.4
24	14.89 FC	72.1	74.4	242.4	227.2
30	9.53 FC	90.1	93	303	284



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Aleo Lighting, Inc.
 www.aeolighting.com
 13924 Bettencourt St.
 Cerritos, CA 90703
 Ph: 877-358-8825