

W19NS-L

LED SPECIFICATION

GRADE WRAPAROUND



AimLite's W19NS-L is ideally suited for a variety of commercial applications (schools, corridors, restrooms, etc.) where a decorative and robust fixture with efficient lighting is required. The fixture can be either surface or row mounted and is available in 48".

FEATURES & SPECIFICATIONS

CONSTRUCTION

Housing & Finishing

- Die-formed cold rolled steel finished in post-painted high-gloss and high reflectance (85%) white.

Mounting

- The fixture can be either surface or row mounted.

Lens

- Prismatic acrylic R19 pattern (0.08" thickness).

Bridge

- This unit can be used with an emergency backup unit-powered by battery. Please view the Bridge brochure for more details on this technology.
- Patent pending

ELECTRICAL

- 120-277 V or 347 V electronic driver with 0-10 V dimming is standard. Long-life LEDs that provide 80+ CRI are available in 3 500 K, 4 000 K and 5 000 K. Estimated lifespan of over 50 000 hours to L70.

COMPLIANCES

- Meets requirements of ICES-005
- CSA Certified to C22.2 #250-13
- CSA Certified to C22.2#141-15 (When use with DL and Bridge options)
- cCSAus

OVERVIEW			
LIGHT SOURCE	LED	EFFICIENCY (LM/W)	101 - 146
WATTS (W)	38 - 52	COLOR TEMPERATURE (K)	3 500, 4 000, 5 000
LUMEN OUTPUT (LM)	3 796 - 5 659	CRI	80+
     			

* 5 year warranty for the BRIDGE module.

W19NS-L

ORDERING GUIDE

W19NS — 48 — L — — / — / —

SERIES	DIMENSIONS	LAMP TYPE	LUMEN PACKAGE ¹ [LM]	VOLTS [VAC]	COLOR TEMP. [K]	OPTIONS
W19NS	48 - 48"	L - LED	A1 A2	4 - 120 8 - 347 2 - 120-277	35K - 3 500 40K - 4 000 50K - 5 000	DIM2 ² - LINE VOLTAGE DIMMING DRIVER 120 V ONLY DALI1 - DIGITAL ADDRESSABLE LIGHTING INTERFACE DRIVER DL - EMERGENCY BACKUP 120-277 V ONLY D - DIFFUSER MYLAR (10% MORE DIFFUSION) OS ³ - OCCUPANCY SENSOR EL - BRIDGE EMERGENCY POWER CONVERSION MODULE

¹ See technical specification table for details.

² Fixture functional in AC mode, when power goes off emergency battery unit powers LED boards. One battery unit per fixture is standard unless otherwise specified.

³ To see available options, please consult the occupancy sensors section.

BRIDGE TECHNICAL SPECIFICATION TABLE

Lumen package	BRIDGE watts [W] ¹	3 500 K	4 000 K	5 000 K
		BRIDGE lumen output [lm] ²	BRIDGE lumen output [lm] ²	BRIDGE lumen output [lm] ²
A1	11	1 405	879	907
A2	11	827	859	886

¹ Maximum wattage per Bridge unit 11 W.

² Lumens based on calculated values. Specifications are subject to change at any time without notice.

TECHNICAL SPECIFICATION TABLE

Lumen package	Watts [W]	Volts [V]	3 500 K		4 000 K		5 000 K		CRI	Life L70 [hrs]	Tested hours LM-80 [hrs]
			Lumen [lm]	Efficiency [lm/W]	Lumen [lm]	Efficiency [lm/W]	Lumen [lm]	Efficiency [lm/W]			
LA1	28	120-277	3 796	136	3 955	141	4 081	146	80+	50 000	10 000
LA2	52	347	5 273	101	5 489	106	5 659	109	80+	50 000	10 000

OCCUPANCY SENSORS

ON-OFF SENSORS

Detection - On at (Detection Area) % during (Hold Time) min. Off

PART NO	POSITION	VOLTS [VAC]	TECHNOLOGY	HEIGHT [FT]	DETECTION AREA [%]	HOLD TIME [MIN.]	DAYLIGHT MIN LEVEL [LUX]	REMOTE ¹
OSE-PO-0301	EXTERNAL	120-347	PIR	20-40	100	20	N/A	
OSE-PO-0501	EXTERNAL	120-347	PIR	15-40	100	15	3000	OSI-FSIR-100
OSE-PO-0502	EXTERNAL	120-347	PIR	15-40	100	15	3000	

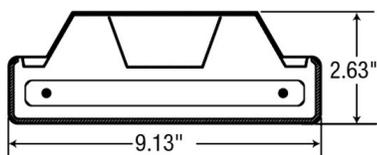
¹ To be ordered separately.

For more settings visit

aimlite.com/documentation/technical-information/

DIMENSIONS

CROSS SECTION VIEW

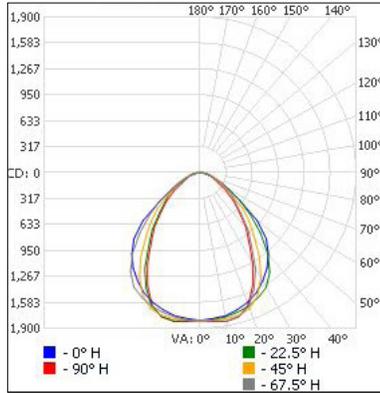


W19NS-L

PHOTOMETRIC DATA¹

W19NS-48LA1-[2/8]-40K • 3 796.0 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 415.6	37.3
0-40	2 205.7	58.1
0-60	3 337.6	87.9
60-90	441.4	11.6
70-100	193.6	5.1
90-120	12.3	0.3
0-90	3 779	99.6
90-180	17	0.4
0-180	3 796	100

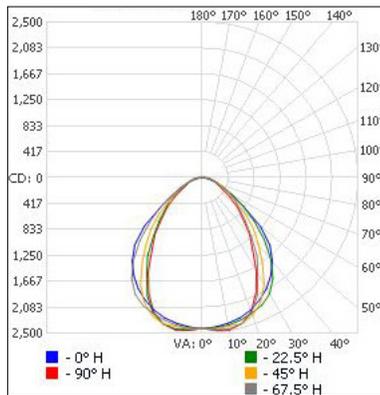
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		Diagram	BEAM WIDTH	
1.7'	624		3.7'	2.7'
3.3'	166	7.2'	5.2'	
5.0'	72.2	10.9'	7.9'	
6.7'	40.2	14.7'	10.6'	
8.3'	26.2	18.2'	13.2'	
10.0'	18.0	21.9'	15.9'	

■ Vert. Spread: 95.1° ■ Hor. Spread: 76.9°

W19NS-48LA2-[2/8]-40K • 5 268.0 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 900.1	36.1
0-40	2 967.2	56.3
0-60	4 510.8	85.6
60-90	651.6	12.4
70-100	317	6
90-120	63.2	1.2
0-90	5 162.4	98
90-180	105.6	2
0-180	5 268	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		Diagram	BEAM WIDTH	
1.7'	840		3.7'	2.7'
3.3'	223	7.2'	5.3'	
5.0'	97.1	11.0'	8.0'	
6.7'	54.1	14.7'	10.7'	
8.3'	35.2	18.2'	13.7'	
10.0'	24.3	21.9'	16.0'	

■ Vert. Spread: 95.2° ■ Hor. Spread: 77.3°

¹ Complete IES files available on our website.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.