

# W13GM

## LED LINKABLE WRAPAROUND

AimLite's W13GM is a LED linkable wrap and is available in 2' and 4'. This model is ideal for surface and row mounting with the connector accessories which make it quick and easy to connect the luminaires without any additional wiring. Perfectly suited for a variety of commercial and residential applications, such as utility rooms, corridors, hallways, restrooms, and where a decorative luminaire with efficient lighting is required.



### FEATURES & SPECIFICATIONS

#### CONSTRUCTION

##### Housing

- Steel with white powder coated housing
- Frosted polycarbonate lens
- Comes standard with 2 connectors to allow easy and rapid connections:
  - Linkable connector
  - 12" linkable cable connector (included only with single CCT)
- For CCT Selectable version, CCT switch located inside the housing

##### Mounting

- Surface or row mounted
- Using linkable connectors (provided with the product) for row mounting or hardwire through end cap for conduit entry (order separately)










- Row mount up to 8 units for the 2' H.O. and 4' wraps, and up to 15 units for the 2' wrap is possible using the included connectors (see images below in accessories section)
- When using end cap for conduit entry to achieve row dimming, read carefully the dimmer's instruction for a safe wiring and not to exceed maximum capacity of the dimmer used

#### PERFORMANCE DATA

- Available in 4 000 K single color temperature, or 3 000/4 000/5 000 K selectable color temperatures
- 80+ CRI
- Electrical ratings: 120-277 V
- Estimated life of over 72 000 hours to L70
- 0-10 V dimming standard: single CCT & 1-10V dimming standard: CCT selectable (dimming with row mounting only available when hardwired using the end cap for conduit entry accessory)
- 1 kV surge protection (2kV for W13GM-24HD-3C-G2)
- Operating temperature: -20 °C to 40 °C [-4 °F to 104 °F]

#### COMPLIANCES

- ETL listed for damp locations
- DLC Standard for certain models (see quickship table for details)
- Meets requirements of ICES-005 issue 5 class B for use in residential applications

OVERVIEW			
LIGHT SOURCE	LED	COLOR TEMPERATURE (K)	3 000/4 000/5 000 4 000
WATTS (W)	23 - 47	CRI	>80
LUMEN OUTPUT (LM)	2 695 - 5 420		
EFFICACY (LM/W)	106 - 120		
<div>        </div> <div>   </div> <div> <p>Dimming with row mounting only available when hardwired</p> </div>			

Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at [www.designlights.org/search](http://www.designlights.org/search).

¹ W13GM-4B-1 is not dimmable

# W13GM

## QUICK SHIP ORDERING GUIDE



PART NO	DLC UNIQUE ID	WATTS [W]	VOLTS [V AC]	COLOR TEMP. <sup>1</sup> [K]	LUMEN OUTPUT <sup>2,3</sup> [LM]	EFFI- CIENCY [LM/W]	CRI	LIFE L70 <sup>4</sup> [HRS]	TESTED HOURS LM-80 <sup>4</sup> [HRS]	DIMMING TYPE [YES/NO]	PF	THD [%]	CASE QTY [MAS- TER]
<b>Dimmable</b>													
<b>2' SINGLE CCT</b>													
W13GM-24-1-G2	PL2KEJQCDG06	23	120-277	4 000	2 695	115	84	54 000	9 000	YES <sup>5</sup>	0.94	12	12
<b>2' HIGH OUTPUT CCT SELECTABLE</b>													
W13GM-24HD-3C-G2	S-EA4LT0	46	120-277	3 000/4 000/5 000	5 354 <sup>3</sup>	116	83	>72 000	12 000	YES <sup>5</sup>	0.92	15	12
<b>4' SINGLE CCT</b>													
W13GM-48-1-G2	PL2MFXG4M4G3	47	120-277	4 000	5 420	116	84	54 000	9 000	YES <sup>5</sup>	0.90	13	6
<b>4' CCT SELECTABLE</b>													
W13GM-48-3C-G2	S-LSWBN3	44	120-277	3 000/4 000/5 000	5 228/5 408/5 188	120	83	54 000	9 000	YES <sup>5</sup>	0.90	20	6
<b>Non Dimmable</b>													
<b>4' SINGLE CCT</b>													
W13GM-48-1	-	47	120-277	4 000	5 043	106	84	54 000	9 000	NO	0.90	15	6

<sup>1</sup> Typical color temperature range: +/- 5 %.

<sup>2</sup> Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.

<sup>3</sup> Lumen values are derived from DLC reported data at 3 500 K. Please refer to the LUMEN SPECIFICATION TABLE for more details on other color temperatures.

<sup>4</sup> Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.

<sup>5</sup> Dimming with row mounting only available when hardwired using the end cap for conduit entry

## LUMEN SPECIFICATION TABLE

PART NUMBER	3 000 K		4 000 K		5 000 K	
	LUMEN OUTPUT [LM]	EFFICACY [LM/W]	LUMEN OUTPUT [LM]	EFFICACY [LM/W]	LUMEN OUTPUT [LM]	EFFICACY [LM/W]
W13GM-24HD-3C-G2	5 354	116	5 502	120	5 405	118
W13GM-48-3C-G2	5 228	119	5 408	123	5 188	118

## DEFAULT PROGRAMMING

4 000 K

## ACCESSORIES (ORDER SEPARATELY)

PART NO	DESCRIPTION
HAR1001-A	LINKABLE CONNECTOR (NO CABLE) <sup>1</sup>
WIR223-A	12" LINKABLE CABLE CONNECTOR <sup>1,2</sup>
WIR151-4FT-A	48" LINKABLE CABLE CONNECTOR
WIR151-6FT-A	72" LINKABLE CABLE CONNECTOR
WIR151-8FT-A	96" LINKABLE CABLE CONNECTOR
LEN354	48" REPLACEMENT LENS
KIT-W13GM-CE-2	CONDUIT ENTRY KIT FOR 2FT <sup>3</sup>
KIT-W13GM-CE-2-HD	CONDUIT ENTRY KIT FOR 2FT HD <sup>3</sup>
KIT-W13GM-CE-4	CONDUIT ENTRY KIT FOR 4FT <sup>3</sup>

<sup>1</sup> ONE PIECE IS INCLUDED IN THE BOX, EXTRA UNITS CAN BE PURCHASED SEPARATELY.

<sup>2</sup> INCLUDED ONLY WITH SINGLE CCT VERSION

<sup>3</sup> KIT INCLUDES 2 END CAPS AND 1 5VA LENS FOR INTERNAL WIRING

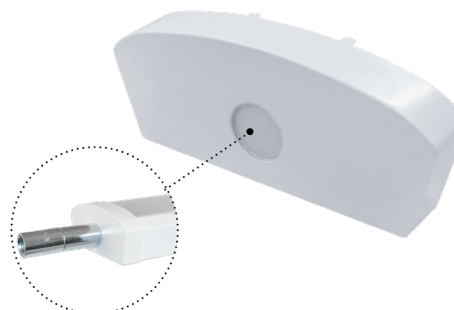
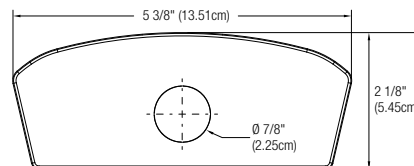
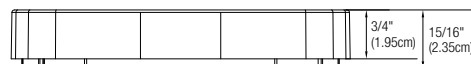
## COMPATIBLE DIMMERS

BRAND	MODEL NUMBER
LEVITON	DD 710
	DS 710
LUTRON	DVSTV
	NOVA NTSTV DV
LEGRAND	RH4FBL3PTC
	WS4FBL3P

Dimming range: 10%-100%

<sup>1</sup> This table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read and comply to the dimmer installation instructions. Consult dimming system manufacturer for additional support in operation. Some dimmers may require more than one product for stable operation. AimLite recommends to use dimmers designed to work with LED products. Older dimmers designed for incandescent products may cause erratic operation.

## DIMENSIONS (END CAP FOR CONDUIT ENTRY)



## INCLUDED IN THE BOX



Included Connectors\*



Luminaire with Linkable Connector

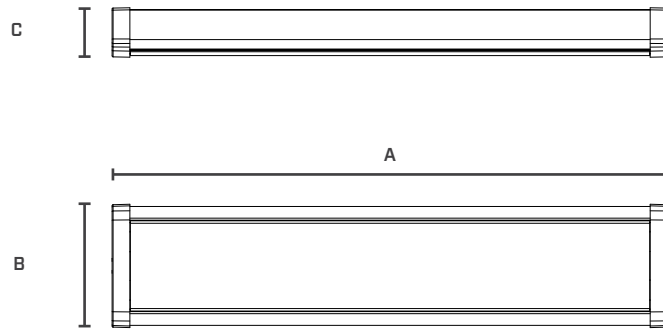


Luminaire with 12" Linkable Cable Connector

\*Included only with single CCT version

# W13GM

## DIMENSIONS AND WEIGHTS

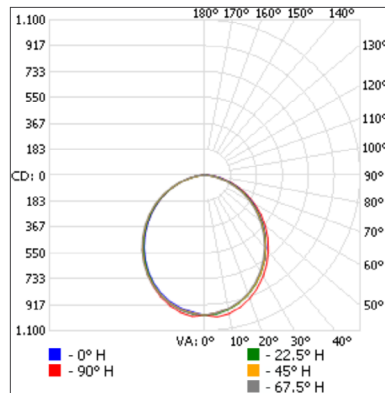


	2'	2' H.O.	4'
<b>A IN. [CM]</b>	21.3 [54.2]	24 [61]	48 [119.9]
<b>B IN. [CM]</b>	5.5 [13.3]	5.3 [13.5]	5.5 [13.3]
<b>C IN. [CM]</b>	1.6 [5.2]	2.1 [5.4]	1.6 [5.2]
<b>NET WEIGHT (LBS)</b>	2.65	2.82	4.63

## PHOTOMETRIC DATA<sup>1</sup>

W13GM-24-1-G2 • 2 682.6 LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	752.8	28.1
0-40	1 216.1	45.3
0-60	2 099.5	78.3
60-90	561.3	20.9
70-100	255.9	9.5
90-120	12.4	0.5
0-90	2 660.8	99.2
90-180	21.8	0.8
0-180	2 682.6	100

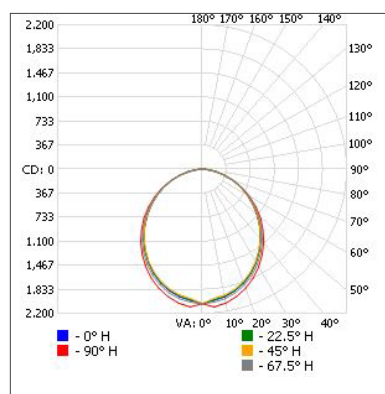
### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2'	247.6	5.1'	5.3'
4'	61.9	10.2'	10.6'
6'	27.5	15.2'	15.9'
8'	15.5	20.3'	21.2'
10'	9.9	25.4'	26.4'

■ Vert. Spread: 103.6° ■ Hor. Spread: 105.8°

W13GM-24HO-3C-G2 • 46 W • 4 000 K • 5 495.2 LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 548.3	28.2
0-40	2 506.7	45.6
0-60	4 337.0	78.9
60-90	1 122.9	20.4
70-100	488.6	8.9
90-120	16.8	0.3
0-90	5 459.9	99.4
90-180	35.4	0.6
0-180	5 495.2	100

### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2'	513.0	5.0'	5.4'
4'	128.2	9.9'	10.7'
6'	57.0	14.9'	16.1'
8'	32.1	19.9'	21.4'
10'	20.5	24.9'	26.8'

■ Vert. Spread: 102.4° ■ Hor. Spread: 106.5°

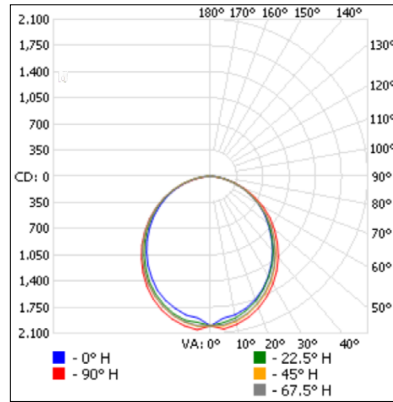
<sup>1</sup> Complete IES files available on our website.

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.

## PHOTOMETRIC DATA<sup>1</sup>

### W13GM-48-1-G2 • 5 412 LM


#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

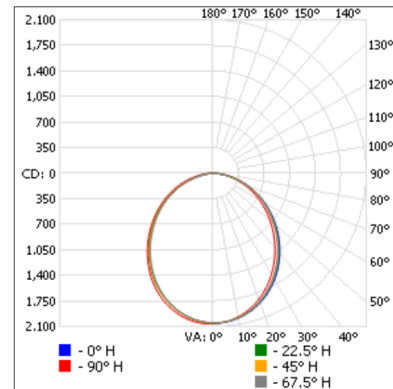
ZONE	LUMENS	% FIXTURE
0-30	1 526.8	28.2
0-40	20466.0	45.6
0-60	4 256.4	78.6
60-90	497.6	20.6
70-100	258.7	9.2
90-120	18.8	0.3
0-90	5 380.0	99.4
90-180	32.1	0.6
0-180	5 412.0	100

#### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
2.0'	362		4.9'	5.4'
4.4'	96.1		9.7'	10.8'
6.7'	23.3		14.6'	16.2'
8.3'	15.2		19.4'	21.6'
10.0'	10.5		24.3'	26.9'
<div>■ Vert. Spread: 101.1° ■ Hor. Spread: 106.8°</div>				

### W13GM-48-3C-G2 • 4 000 K • 5 407.9 LM

#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

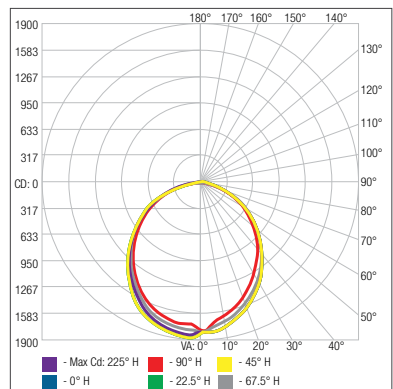
ZONE	LUMENS	% FIXTURE
0-30	1 552.9	28.7
0-40	2 499.4	46.2
0-60	4 273.5	79
60-90	1 089.7	20.1
70-100	480.8	8.9
90-120	21.5	0.4
0-90	5 363.2	99.2
90-180	44.7	0.8
0-180	5 407.9	100

#### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
2.0'	512.6		5.1'	4.9'
4.4'	128.2		10.2'	9.9'
6.7'	57.0		15.4'	14.8'
8.3'	32.0		20.5'	19.8'
10.0'	20.5		25.6'	24.7'
■ Vert. Spread: 104.0° ■ Hor. Spread: 102.0°				

### W13GM-48-1 • 4 946.4 LM


#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 366.9	27.6
0-40	2212	44.7
0-60	3 834.6	77.5
60-90	1067.9	21.6
70-100	513.6	10.4
90-120	32.9	0.7
0-90	4 902.5	99.1
90-180	43.9	0.9
0-180	4 946.4	100

#### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	622		4.7'	4.0'
3.3'	165		9.2'	7.8'
5.0'	71.9		10.9'	11.0'
6.7'	40.0		18.6'	15.9'
8.3'	26.1		23.0'	19.6'
10.0'	18.0		27.8'	23.7'
■ Vert. Spread: 106.5° ■ Hor. Spread: 99.6°				

<sup>1</sup> Complete IES files available on our website.

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