

# CARPW

## ALUMINUM COMBO

NBC2015 COMPLIANT

The CARPW series of commercial combination extruded signs and battery units features a fully modern appearance. The extruded aluminum design provides for a rigid, durable and lightweight sign. Two PAR18 small style, front mounted heads are standard, MR16 type are optional. Available with either 6 V DC or 12 V DC.



### FEATURES & SPECIFICATIONS

#### CIRCUITRY




- LED ultra bright light source
- 120/347 V AC field selectable, or 277 V AC
- 1.8 W power consumption for LED exit portion of combination sign
- LED Emergency DC wattages as follows:  
6 V DC = 0.9 W  
12 V DC = 0.86 W
- Wattage capacities from 36 to 72 W
- 30 minutes emergency power duration standard
- Momentary push button test switch
- Pilot LEDs for AC ON and CHARGE
- Fully automatic, constant voltage current limited charger
- Solid state design and construction with brownout and short circuit protection
- Temperature compensated
- Maintenance free, sealed lead acid battery

#### MECHANICAL

- Extruded aluminum construction
- Slide in/out captive faceplate(s) and backplate for rapid and simplified installation
- Universal spider knock-out pattern stamped into backplate for junction box mounting
- Universal models include ceiling or end mount, field installable canopy kit c/w spider plate
- Multiple conduit entry knockouts
- White powder coat finish standard, other finishes and colors optional
- Front head mounted is standard, side mount is optional

#### COMPLIANCES

- CSA Certified to C22.2 #141-15
- CSA Certified to C860-11
- Meets requirements of ICES-005

OVERVIEW			
LIGHT SOURCE	LED	SIGN DC VOLTAGE/WATTAGE	6 V DC = 0.9 12 V DC = 0.86
INPUT VOLTAGE (V AC)	120/347, 277	OUTPUT VOLTS (V DC)	6, 12
SIGN POWER CONSUMPTION	120 V = 1.80 W 347 V = 1.70 W 277 V = 1.40 W	POWER CAPACITY (W)	36 - 72
<div>  LED            ICES 005            SP<sup>®</sup> Energy Verified Energie Verifiee         </div>			

For complete warranty details, please see our terms and conditions 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.

## TYPICAL SPECIFICATION



### TYPICAL SPECIFICATION

Supply and install Aimlite's Extruded CARPW Running Man and Battery combination unit. The sign shall be Extruded Aluminum Running Man Exit Signs. The sign shall operate with AC/DC field selectable 120/277/347 V AC. The face shall be illuminated by using Nichia LED ultra-bright light source. The sign shall be suitable for wall, end, or ceiling mount and come complete with 3 Running Man fibers for universal direction. The sign shall be CSA C22.2 141-15 and ICES complaint. The battery unit shall be rated 120 V, 277 V or 347 V, 60 Hz constructed of durable 18-gauge steel and be CSA listed to C22.2 141-15 and be ICES 005 compliant. The unit shall have an output of: \_\_\_V and \_\_\_W and come complete with (0), (1) or (2) x \_\_\_ W LED heads producing (\_\_\_) lumens each. The charge voltage factory set to  $\pm 1\%$  tolerance. High efficiency, rapid recovery, precision control charging system shall be employed to promote long battery life and reduce the potential for grid corrosion. The charger shall provide a continuous high charge to recharge the battery, when the battery is at full capacity, the charger will shut-off. Periodically the charger shall provide a pulse of energy to keep the battery at full voltage. The pulse charger shall be precisely regulated and shall charge the battery in relation to its temperature, state or charge and input voltage fluctuations. The charger shall be current limited, temperature compensated, short-circuit proof and reverse polarity protected. The unit shall be furnished with an electronic lockout circuit, which will connect the battery when the AC circuit is activated, and an electronic brownout circuit, which will activate the emergency lights when utility power dips below 75% of nominal voltage. A low voltage battery protection circuit shall be provided and will disconnect the load when the battery reaches the end of discharge.

The Aimlite Sign and Battery combination unit shall be CARPW \_\_\_\_\_

## ORDERING GUIDE

CARPW										
SERIES	VOLTS [V]	WATTS [W]	NBR OF FACES	MOUNTING	NBR OF HEADS	HEAD/LAMP	LAMP	COLOR	INPUT VOLTAGE [V AC]	OPTIONS
CARPW	06 - 6	036 - 36 050 - 50	1 - SINGLE FACE 2 - DOUBLE FACE	M - UNIVERSAL	00 - NO HEADS	BLANK - NO HEADS	SEE LAMP SELECTION CHART BELOW	WHT - WHITE BLK - BLACK GRY - GREY	BLANK - 120/347 277 - 277	ATD, AUD <sup>1</sup> , AUE, LPD, RDS, SMH, TDL <sup>1</sup>
	12 - 12	036 - 36 050 - 50 072 - 72			1 - ONE HEADS 2 - TWO HEADS	SM - PAR18 MD - MR16 LG - PAR36 MB - MR16				0 - NO INDICATORS (DOUBLE FACE ONLY) ↓ ↑ ↗ ↘ ↙ ↘ 0 U UR DR DL UL

<sup>1</sup>Only available with ATD.

## OPTIONS

DESCRIPTION	DESCRIPTION
<b>ATD</b> AUTOMATIC TEST SELF-DIAGNOSTIC	<b>RDS</b> RADIO FREQUENCY SUPPRESSION
<b>AUD</b> AUDIBLE ALARM	<b>SMH</b> SIDE MOUNTED HEADS
<b>AUE</b> AUDIBLE EMERGENCY	<b>TDL</b> TIME DELAY
<b>LPD</b> LAMP DISCONNECT (INTERNAL)	

## LAMP SELECTION

	6 V	12 V
<b>PAR18 - Small head</b>		
LED	3WLJ, 4WLJ, 5WLJ	3WLJ, 4WLJ, 5WLJ, 6WLA, 7WLA
Quartz halogen		10WQ
Tungsten	09WT	09WT
<b>MR16 - Small head c/w MR16</b>		
LED	4WLR, 5WLA	4WLR, 5WLA, 6WLA, 7WLA
Quartz halogen	10WQ	10WQ, 35WQ

## LUMEN TABLE

WATTS	LUMENS
<b>3W LJ</b>	313
<b>4W LJ</b>	388
<b>5W LJ</b>	590
<b>4W LR</b>	388
<b>5W LA</b>	435
<b>6W LA</b>	507
<b>7W LA</b>	652

## MODEL RATINGS

MODEL	VOLTS [V]	WATTAGE CAPACITIES [W]			
		30 MIN.	60 MIN.	90 MIN.	120 MIN.
CARPW0636	6	36	18	12	9
CARPW0650		50	25	16	12
CARPW1236	12	36	18	12	9
CARPW1250		50	25	16	12
CARPW1272		72	36	24	18

## LEXAN GUARD

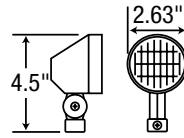
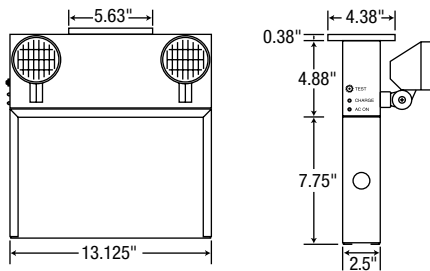
	PART NUMBER	DIMENSIONS (IN)
<b>WALL MOUNT</b>	PGD111	19.75 X 14 X 8
<b>CEILING MOUNT</b>	PGD100	16 X 10 X 13.5

## WIREGUARD<sup>1</sup>

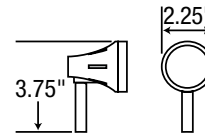
	PART NUMBER	DIMENSIONS (IN)
<b>WITHOUT HEAD</b>	<b>WALL MOUNT</b>	WGD590-V2
	<b>CEILING MOUNT</b>	WGD650-V2
	<b>END MOUNT</b>	WGD650-V2
<b>WITH HEAD(S)</b>	<b>WALL MOUNT</b>	WGD510-V2
	<b>CEILING MOUNT</b>	WGD650-V2
	<b>END MOUNT</b>	WGD650-V2

<sup>1</sup> Please contact your AimLite customer service representative for more information.

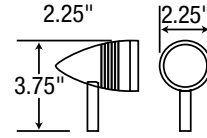
## DIMENSIONS



TYPE SM - PAR18  
Thermoplastic  
12 W max.



TYPE MD - MR16  
Die cast  
35 W max.



TYPE MB - MR16  
Die cast  
35 W max.

## CONFIGURATIONS



Comes standard (single face) with three pictogram legends for direction selection.



Comes standard (double face) with two pictogram legends.

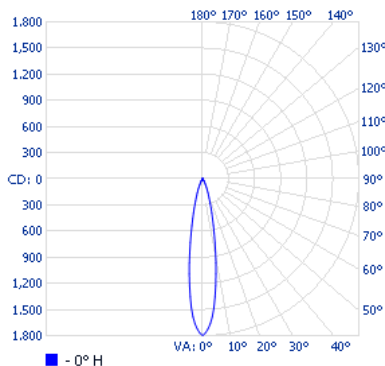


For double face no arrow options, select "0" on the options column.

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

PAR18-06-12V3WLJ • 309.0 LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	282.9	91.6%
0-40	297.5	96.3%
0-60	306.9	99.3%
60-90	2.1	0.7%
70-100	0.3	0.1%
90-120	0	0%
0-90	309.0	100%
90-180	0	0%
0-180	309.0	100%

### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC	BEAM WIDTH
1.7'	0.6'
3.3'	1.1'
5.0'	1.7'
6.7'	2.3'
8.3'	2.8'
10.0'	3.4'

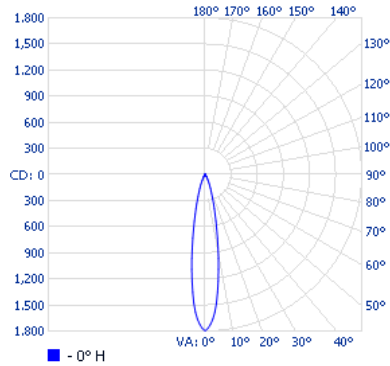
■ Beam Spread: 19.3°

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

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

### PAR18-06-12V4WLJ • 429.5 LM

#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	325.3	75.7%
0-40	369.4	86%
0-60	410.4	95.5%
60-90	19.2	4.5%
0-90	429.5	100%

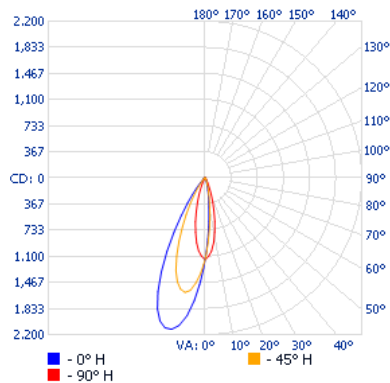
#### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	402	0.8'	8.2'
3.3'	107	1.6'	16.4'
5.0	46.4	2.4'	24.6'
6.7	25.9	3.2'	32.8'
8.3	16.9	3.9'	41.0'
10.0	11.6	4.7'	49.2'

■ Vert. Spread: 26.6° ■ Hor. Spread: 27.1°

### PAR18-06-12V5WLJ • 655.3 LM

#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	515.6	78.7%
0-40	595.7	90.9%
0-60	637.2	97.2%
60-90	18.0	2.8%
0-90	655.3	100%

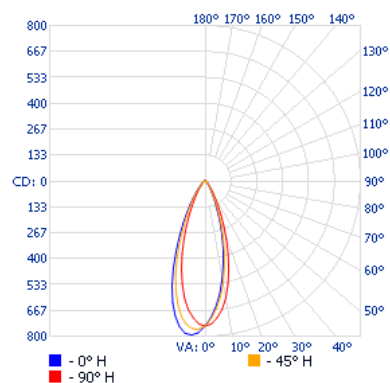
#### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	396	0.9'	0.9'
3.3'	105	1.7'	1.7'
5.0	45.8	2.5'	2.6'
6.7	25.5	3.4'	3.5'
8.3	16.6	4.2'	4.3'
10.0	11.5	5.1'	5.2'

■ Vert. Spread: 28.6° ■ Hor. Spread: 29.4°

### MR16-06-24V4WLR • 228.7 LM

#### POLAR CANDELA DISTRIBUTION



#### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	164.4	71.9%
0-40	182.0	79.6%
0-60	214.8	93.9%
60-90	13.9	6.1%
70-100	4.1	1.8%
90-120	0	0%
0-90	228.7	100%
90-180	0	0%
0-180	228.7	100%

#### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	168	1.1'	
3.3'	44.5	2.1'	
5.0	19.4	3.2'	
6.7	10.8	4.3'	
8.3	7.04	5.3'	
10.0	4.85	6.4'	

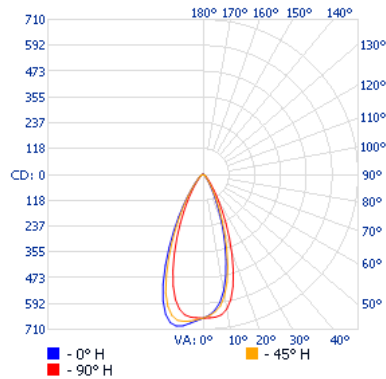
■ Beam Spread: 35.4°

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

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

MR16-06-24V5WLA • 440.7 LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	352.6	80%
0-40	391.8	88.9%
0-60	427.2	96.9%
60-90	13.5	3.1%
70-100	4.3	1%
90-120	0	0%
0-90	440.7	100%
90-180	0	0%
0-180	440.7	100%

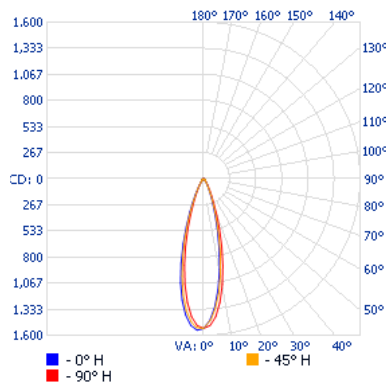
### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	407	0.9'	1.0'
3.3'	108	1.7'	1.9'
5.0	47.0	2.6'	2.8'
6.7	26.2	3.5'	3.8'
8.3	17.1	4.3'	4.7'
10.0	11.8	5.2'	5.7'

■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7°

MR16-12-24V6WLA • 508.7 LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	407.0	80%
0-40	452.3	88.9%
0-60	493.1	96.9%
60-90	15.6	3.1%
70-100	4.9	1%
90-120	0	0%
0-90	508.7	100%
90-180	0	0%
0-180	508.7	100%

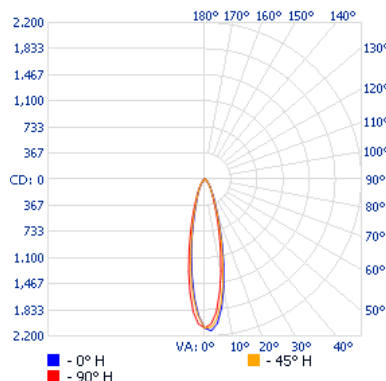
### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	470	0.9'	1.0'
3.3'	125	1.7'	1.9'
5.0	54.3	2.6'	2.8'
6.7	30.2	3.5'	3.8'
8.3	19.7	4.3'	4.7'
10.0	13.6	5.2'	5.7'

■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7°

MR16-06-24V7WLA • 635.2 LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	508.2	80%
0-40	564.7	88.9%
0-60	615.7	96.9%
60-90	19.5	3.1%
70-100	6.1	1%
90-120	0	0%
0-90	635.2	100%
90-180	0	0%
0-180	635.2	100%

### ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	587	0.9'	1.0'
3.3'	156	1.7'	1.9'
5.0	67.8	2.6'	2.8'
6.7	37.8	3.5'	3.8'
8.3	24.6	4.3'	4.7'
10.0	16.9	5.2'	5.7'

■ Vert. Spread: 29.3° ■ Hor. Spread: 31.7°

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