ACW-20

4' LED Wraparound

Project

Catalog

Type

Date

Product Description

The NICOR LED Wraparound offers general ambient lighting for surface mount ceiling applications. The ACW-2 is the perfect energy-saving solution for both remodel and new construction in residential and light commercial applications such as kitchens, garages, utility rooms, schools, offices and hospitals.

Construction
- Heavy 20 gauge steel construction
- Smooth sides for safe handling

Optical System
- Full length U-Wrap diffuser for even light
- Clear prismatic acrylic lens

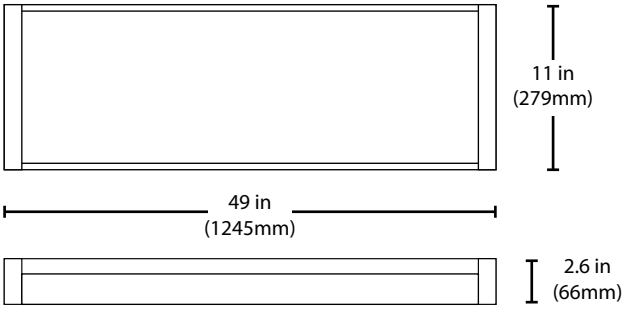
Electrical
- Utilizes high performing LEDs
- Driver delivers full-range dimming from 0 - 10VDC
- Silent and flicker-free operation
- Tight LED binning ensures color uniformity
- Operating temperature of 0° to 120°F (-18°C to 40°C)
- Universal input 120-277VAC
- LM-79, LM-80 testing performed in accordance with IESNA standards
- Meets FCC Part 15, Subpart B, Class B standards for conducted and radiated emissions

Finish
- White powder coat finish

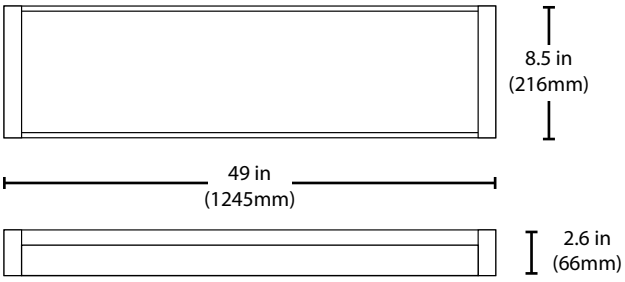
Installation
- Can be surface mounted to walls and ceilings for application variability
- Drivers and internal components easily accessed via removing lens

Warranty
- 5-year limited system warranty standard

ACW 4H



ACW 4S



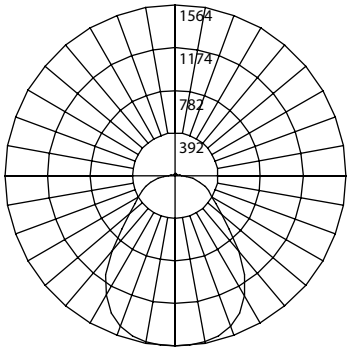
ENERGY STAR | c UL us LISTED | DAMP LOCATION RATED | 5 YEAR WARRANTY

NICOR® LED

Photometric Data

ACW-20 4S 4000K

Input Voltage (VAC)	120-277
System Level Power (W)	39
Delivered Lumens (Lm)	3664
System Efficacy (Lm/W)	93.9
Correlated Color Temp (K)	4019
Color Rendering Index (CRI)	84
Beam Angle	85.4°
Spacing Criteria	1.22



Intensity Summary (Candle Power)

Angle	Mean CP
0	1563
5	1564
15	1526
25	1391
35	1114
45	696
55	453
65	334
75	233
85	104
75	60

CCT Data Multiplier

ACW-20-4S-UNV-30K	0.970
ACW-20-4S-UNV-50K	1.033

Cone of Light Tabulation

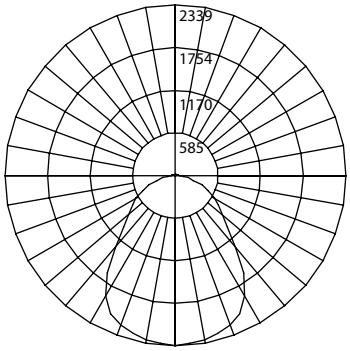
Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	97.7	4.9
6	43.5	9.2
8	24.4	9.6
10	15.6	12.1
12	10.9	14.5
14	7.9	16.8
16	6.1	19.2

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1216	33.2%
0-40	1904	52.0%
0-60	2865	78.2%
0-90	3559	97.1%
90-180	105	2.9%
0-180	3664	100.0%

ACW-20 4H 4000K

Input Voltage (VAC)	120-277
System Level Power (W)	49
Delivered Lumens (Lm)	5273
System Efficacy (Lm/W)	107.6
Correlated Color Temp (K)	3997
Color Rendering Index (CRI)	84
Beam Angle	84.4°
Spacing Criteria	1.22



Intensity Summary (Candle Power)

Angle	Mean CP
0	2340
5	2316
15	2249
25	2096
35	1640
45	1012
55	716
65	491
75	256
85	111
75	49

CCT Data Multiplier

ACW-20-4H-UNV-30K	0.970
ACW-20-4H-UNV-50K	1.067

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	146.2	4.8
6	65.0	7.2
8	36.5	9.6
10	23.4	12.0
12	16.3	14.4
14	11.9	16.9
16	9.2	19.2

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1811	34.3%
0-40	2822	53.5%
0-60	4272	81.0%
0-90	5173	98.1%
90-180	100	1.9%
0-180	5273	100.0%

Fixtures tested per LM-79-08. Photometric data is of the performance of a representative fixture. Results may vary in the field.

Performance Data

Model Number	Lumens	Watts	Lumens/Watt
ACW-20-4S-UNV-30K	3554	39	91.1
ACW-20-4S-UNV-40K	3664	39	93.9
ACW-20-4S-UNV-50K	3785	39	97.1
ACW-20-4H-UNV-30K	5115	49	104.4
ACW-20-4H-UNV-40K	5273	49	107.6
ACW-20-4H-UNV-50K	5626	49	114.8

Recommended Dimmers*

Lutron NTSTV

Lutron DVSTV

Cooper SF10P

Legrand RH4FBL3PW

**Not a complete list. Check compatibility before installation.*

Ordering Information

Example: ACW-20-4H-UNV-30K

Series	Version	Lamp Equivalent	Voltage(V)	CCT's
ACW	**20** (v 2.0)	☐ **4S** (standard output)	**UNV** (120-277V)	☐ **30K** (3000)
		☐ **4H** (high output)		☐ **40K** (4000)
				☐ **50K** (5000)

Specifications and dimensions subject to change without notice.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.