CCW

LED Decorative Cloud

Project

Catalog

Type

Date

Product Description

The CCW LED Decorative Cloud offers general ambient lighting for surface mount ceiling applications and is available in both standard and high output lumen packages to allow for design flexibility. The rounded edges of the acrylic lens offer a soft aesthetic while allowing for maximum light output. The CCW 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 hallways.

Construction
- Heavy 20 gauge steel construction
- Smooth sides for safe handling
- NICOR Lens-lock™ secures lens in place, even on sloped ceilings

Optical System
- Full length acrylic diffuser for even light distribution

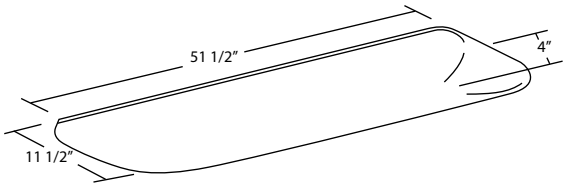
Electrical
- Utilizes high performing, mid-power LEDs
- Available in standard (4S) and high output (4H) options
- Driver delivers full-range dimming from 0 - 10VDC
- Silent and flicker-free operation
- Tight LED binning ensures color uniformity
- Operating temperature of 0° to 120°F (-18°C to 40°C)
- Universal input 120-277VAC
- TM-21 reported L70(9K) > 54,000
- LM-79, LM-80 testing performed in accordance with IESNA standards
- Meets FCC Part 15:2006 Class B requirements

Finish
- White powder coat finish

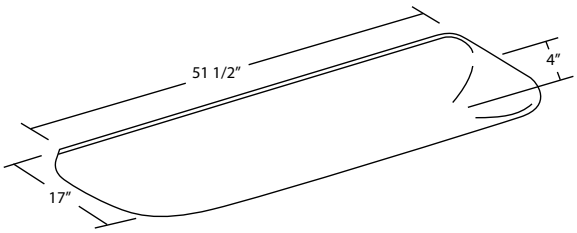
Installation
- Quick surface mount installation
- Driver and internal components easily accessible via removable lens

Warranty
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the fixture or electrical distribution panel

CCW 4S



CCW 4H



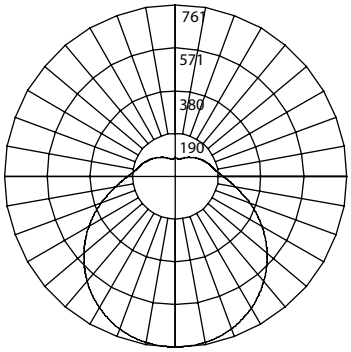
ENERGY STAR · c UL us LISTED · DAMP LOCATION RATED · 5 YEAR WARRANTY

NICOR® LED

Photometric Data

CCW 4S 4000K

Input Voltage (VAC)	120-277
System Level Power (W)	39.5
Delivered Lumens (Lm)	3340
System Efficacy (Lm/W)	84.6
Correlated Color Temp (K)	4025
Color Rendering Index (CRI)	81
Beam Angle (0°)	137.1°
Beam Angle (90°)	116.1°
Spacing Criteria (0°)	1.28
Spacing Criteria (90°)	1.34



Intensity Summary (Candle Power)

Angle	Along	Across
0	761	761
15	733	742
30	652	681
45	521	581
60	357	456
75	175	324
90	36	226
105	42	179
120	57	152
135	66	124
150	75	100
165	84	80
180	85	85

CCT Data Multiplier

CCW-10-4S-UNV-30K	0.962
CCW-10-4S-UNV-50K	1.070

Cone of Light Tabulation

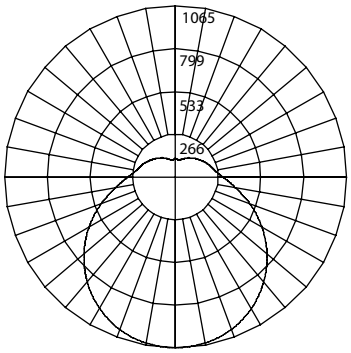
Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	47.5	5.4
6	21.1	8.0
8	11.9	10.7
10	7.6	13.3
12	5.3	15.8
14	3.9	18.5
16	2.9	22.0

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	601	18.0%
0-40	998	29.9%
0-60	1837	55.0%
0-90	2665	79.8%
90-180	675	20.2%
0-180	3340	100.0%

CCW 4H 4000K

Input Voltage (VAC)	120-277
System Level Power (W)	49.6
Delivered Lumens (Lm)	4675
System Efficacy (Lm/W)	94.3
Correlated Color Temp (K)	4025
Color Rendering Index (CRI)	81
Beam Angle (0°)	137.1°
Beam Angle (90°)	116.1°
Spacing Criteria (0°)	1.28
Spacing Criteria (90°)	1.34



Intensity Summary (Candle Power)

Angle	Along	Across
0	1065	1065
15	1025	1039
30	912	953
45	730	813
60	500	638
75	245	453
90	51	316
105	59	251
120	80	213
135	93	174
150	105	140
165	117	112
180	119	119

CCT Data Multiplier

CCW-10-4H-UNV-30K	0.961
CCW-10-4H-UNV-50K	1.070

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	66.5	5.4
6	29.6	8.0
8	16.6	10.7
10	10.7	13.3
12	7.4	15.8
14	5.4	18.7
16	4.2	21.0

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	842	18.0%
0-40	1396	29.9%
0-60	2571	55.0%
0-90	3729	79.8%
90-180	945	20.2%
0-180	4675	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
CCW-10-4S-UNV-30K	3212	39.5	81.4
CCW-10-4S-UNV-40K	3340	39.5	84.6
CCW-10-4S-UNV-50K	3574	39.5	90.6
CCW-10-4H-UNV-30K	4493	49.6	90.6
CCW-10-4H-UNV-40K	4675	49.6	94.3
CCW-10-4H-UNV-50K	5002	49.6	100.9

Recommended Dimmers*

Lutron NTSTV

Lutron DVSTV

Cooper SF10P

Legrand RH4FBL3PW

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

Ordering Information

Example: CCW-10-4H-UNV-30K

Series	Version	Lamp Equivalent	Voltage(V)	CCT's
CCW	**10** (v 1.0)	☐ **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.