

NUC-4

LED Under Cabinet

Product Description

NICOR LED under cabinet lighting is an attractive upgrade that can quickly increase the value and functionality of your work space. The NUC4 presents a clean, professional look allowing you to use an existing wall switch or dimmer to easily control your lights. Offering uniform illumination, warm color and low operating temperatures, this under cabinet light can be used in residential, retail, and commercial applications. Whether in a kitchen, under a shelf or in a defined work space, these 1-inch low profile fixtures are perfect for task or accent lighting and illuminating products, apparel or collectibles. These linear fixtures are Energy Star rated, CEC Title 24 compliant and offer over 20 years of maintenance free operation.

Construction

- Extruded aluminum housing for durability and ample heatsinking
- Low 1-inch profile keeps the fixture unobtrusive and out of view
- No UV or forward-projected heat
- UL Listed for damp locations

Optical System

- Uniform lighting with specially designed glass diffuser to prevent pixelation and "hot spots" on counter tops

Electrical

- Greater than 92 CRI with R9 greater than 50
- Dimmable with most TRIAC dimmers
- Custom low-profile driver engineered for optimal dimming across all sizes
- Operating temperature rating of 0°F to 120°F (-18°C – 49°C)
- 120VAC Input
- L70 rated for greater than >36,000 hours
- TM-21 Projected L70(6k) life >100,000 hours
- LM-79, LM-80 testing performed in accordance with IESNA standards

Finish

- Available in: Black, Nickel, White, and Oil-Rubbed Bronze

Installation

- Easy surface mount installation
- Pre-installed captive screws allow for quick mounting
- Positive latch door for easy access and installation
- Versatile knockout selection allows for multidirectional wiring

Warranty

- 5-year limited system warranty standard

Project _____

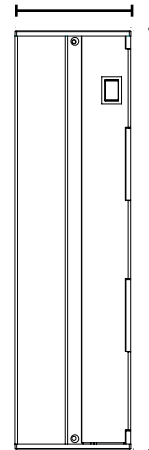
Catalog _____

Type _____

Date _____



3.5 in
(89mm)



1 in
(25mm)

Length Dimensions (L)

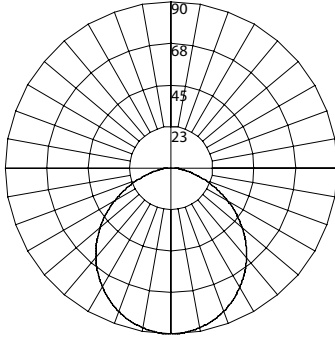
	Inches	Millimeters
NUC-4-8	8	203
NUC-4-12	12.5	317
NUC-4-21	21.5	546
NUC-4-30	30	762
NUC-4-40	40	1016



Photometric Data

NUC-4 2700K 8"

Input Voltage (VAC)	120
System Level Power (W)	3.85
Delivered Lumens (Lm)	242
System Efficacy (Lm/W)	62.9
Correlated Color Temp (K)	2670
Color Rendering Index (CRI)	91.7 R9=54.1
Beam Angle	108°



Intensity Summary (Candle Power)

Angle	Mean CP
0	90
5	90
15	86
25	80
35	70
45	58
55	44
65	28
75	13
85	3
90	0

CCT Data Multiplier

NUC-4-08-DM-W-4W 1.174

Cone of Light Tabulation

Mounted height (Inches)	Footcandles Beam Center	Diameter (Inches)
12	90.0	15.06
18	40.0	22.60
24	22.5	30.11
30	14.4	37.60
36	10.0	45.00

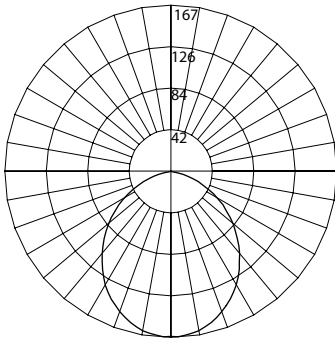
Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	69	29%
0-40	113	47%
0-60	197	81%
0-90	242	100%
90-180	0	0%
0-180	242	100%

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

NUC-4 2700K 12"

Input Voltage (VAC)	120
System Level Power (W)	5.83
Delivered Lumens (Lm)	398
System Efficacy (Lm/W)	68.3
Correlated Color Temp (K)	2668
Color Rendering Index (CRI)	91.6 R9=53.5
Beam Angle	100°



Intensity Summary (Candle Power)

Angle	Mean CP
0	167
5	166
15	158
25	142
35	120
45	95
55	68
65	41
75	17
85	2
90	0

CCT Data Multiplier

NUC-4-12-DM-W-4W 1.174

Cone of Light Tabulation

Mounted height (Inches)	Footcandles Beam Center	Diameter (Inches)
12	167.0	14.32
18	74.2	21.48
24	41.8	28.59
30	26.7	35.89
36	18.6	42.80

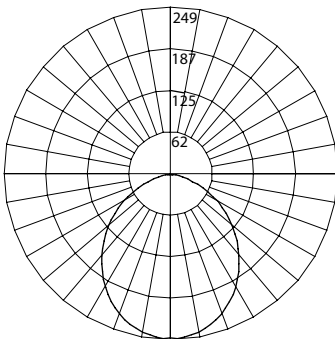
Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	126	32%
0-40	201	50%
0-60	335	84%
0-90	398	100%
90-180	0	0%
0-180	398	100%

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

NUC-4 2700K 21"

Input Voltage (VAC)	120
System Level Power (W)	8.79
Delivered Lumens (Lm)	592
System Efficacy (Lm/W)	67.3
Correlated Color Temp (K)	2694
Color Rendering Index (CRI)	91.4 R9=52.6
Beam Angle	100°



Intensity Summary (Candle Power)

Angle	Mean CP
0	248
5	247
15	235
25	211
35	179
45	142
55	101
65	61
75	25
85	4
90	0

CCT Data Multiplier

NUC-4-21-DM-W-4W 1.174

Cone of Light Tabulation

Mounted height (Inches)	Footcandles Beam Center	Diameter (Inches)
12	248.4	14.32
18	110.4	21.46
24	62.1	28.65
30	39.8	35.71
36	27.6	43.00

Zonal Lumen Summary

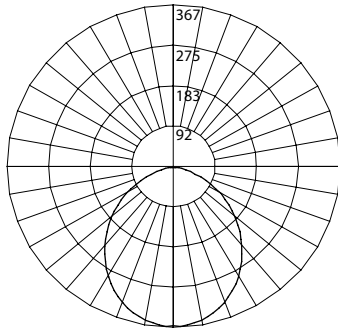
Zone	Lumens	% of Luminaire
0-30	187	32%
0-40	299	50%
0-60	498	84%
0-90	592	100%
90-180	0	0%
0-180	592	100%

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

Photometric Data

NUC-4 2700K 30"

Input Voltage (VAC)	120
System Level Power (W)	11.84
Delivered Lumens (Lm)	872
System Efficacy (Lm/W)	73.6
Correlated Color Temp (K)	2682
Color Rendering Index (CRI)	91.6 R9=53.6
Beam Angle	99°



Intensity Summary (Candle Power)

Angle	Mean CP
0	366
5	364
15	346
25	311
35	264
45	208
55	149
65	90
75	37
85	5
90	1

CCT Data Multiplier

NUC-4-30-DM-W-4W 1.174

Cone of Light Tabulation

Mounted height (Inches)	Footcandles Beam Center	Diameter (Inches)
12	365.7	14.32
18	162.5	21.47
24	91.4	28.63
30	58.5	35.75
36	40.7	42.82

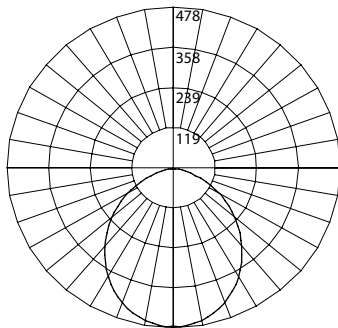
Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	275	32%
0-40	440	50%
0-60	734	84%
0-90	872	100%
90-180	0	0%
0-180	872	100%

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

NUC-4 2700K 40"

Input Voltage (VAC)	120
System Level Power (W)	16.19
Delivered Lumens (Lm)	1136
System Efficacy (Lm/W)	70.2
Correlated Color Temp (K)	2680
Color Rendering Index (CRI)	91.5 R9=53.4
Beam Angle	99°



Intensity Summary (Candle Power)

Angle	Mean CP
0	477
5	474
15	451
25	405
35	344
45	272
55	194
65	118
75	49
85	7
90	1

CCT Data Multiplier

NUC-4-40-DM-W-4W 1.174

Cone of Light Tabulation

Mounted height (Inches)	Footcandles Beam Center	Diameter (Inches)
12	476.7	14.32
18	211.9	21.46
24	119.2	28.60
30	76.3	35.73
36	53.0	42.93

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	358	32%
0-40	573	50%
0-60	957	84%
0-90	1136	100%
90-180	0	0%
0-180	1136	100%

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

Ordering Information

Example: NUC-4-12-DM-W-NK

Series	Version	Length			Housing Color
NUC	4	08 (8 inches)	DM (Dimmable)	W (Wired)	BK (black)
		12 (12 ½ inches)			NK (nickel)
		21 (21 ½ inches)			OB (oil-rubbed bronze)
		30 (30 inches)			WH (white)
		40 (40 inches)			4W (4000 K White)*

All reports based on current industry standards; field performance may differ from laboratory performance.

Specifications and dimensions subject to change without notice.

*Only available for 4000 K option.

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.