

# NUC-4

## LED Linkable Under Cabinet

### Product Description

Under cabinet lighting is an attractive upgrade that can quickly increase the value and functionality of your work space. NICOR's LED Under Cabinet series allows you to link multiple fixtures together with one power source. Whether in a kitchen, under a shelf or in a defined work space, these low profile fixtures are perfect for task or accent light levels. The NUC-4 presents a clean, professional look allowing you to use an existing wall switch or dimmer to easily control your lights. These linear fixtures are Energy Star rated, CEC Title 24 compliant and offer over 20 years of maintenance free operation. Offering uniform illumination, warm color and low operating temperatures, this under cabinet light can be used in residential, retail, and commercial applications.

#### 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

- Linkable ports allow for easy daisy-chaining of multiple fixtures
- 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
- Meets FCC Part 15:2006 Class B requirements

#### Finish

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

#### Installation

- Easy surface mount installation
- Linkability allows for more flexible installation with one power source
- Linkable accessories available: Connectors, J-box, Jumper Cables and Plugs  
*(see page 2 for complete ordering information)*
- Pre-installed captive screws allow for quick mounting
- Positive latch door for easy access and installation

#### Warranty

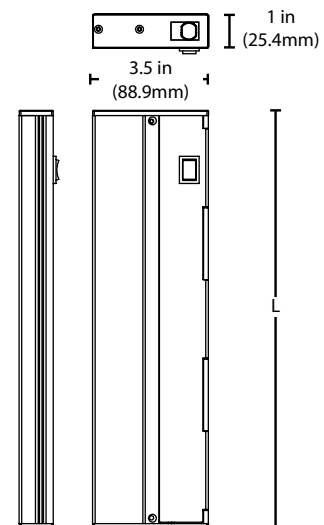
- 5-year limited system warranty standard

Project

Catalog

Type

Date



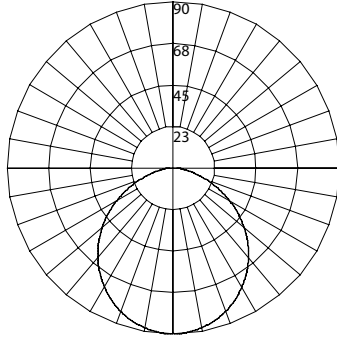
	<b>NUC-4-08</b>	<b>NUC-4-12</b>	<b>NUC-4-21</b>
Length:	8 in. (203mm)	12.5 in. (317mm)	21.5 in. (546 mm)
	<b>NUC-4-30</b>	<b>NUC-4-40</b>	
Length:	30 in. (762 mm)	40 in. (1016 mm)	



# 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

### 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

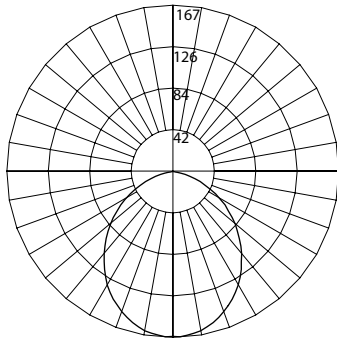
### Zonal Lumen Summary

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

### 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

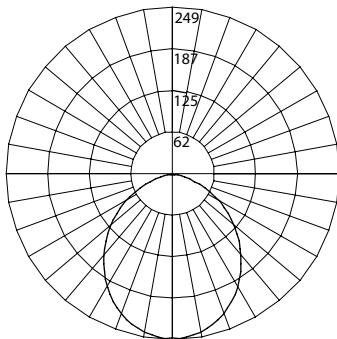
### Zonal Lumen Summary

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

### 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

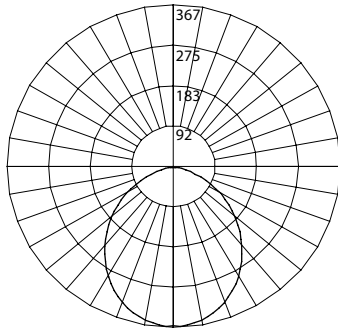
Zone	Lumens	% of Luminaire
0-30	187	32%
0-40	299	50%
0-60	498	84%
0-90	592	100%
90-180	0	0%
0-180	592	100%

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

### 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

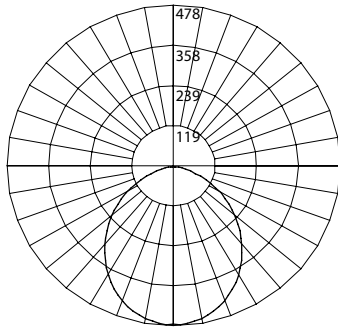
### Zonal Lumen Summary

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

### 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-L-NK

Series	Version	Length			Housing Color
NUC	4	08 (8 inches)	DM (Dimmable)	L (Linkable)	WH (White)
		12 (12 ½ inches)			BK (Black)
		21 (21 ½ inches)			NK (Nickel)
		30 (30 inches)			OB (Oil-Rubbed Bronze)
		40 (40 Inches)			

All reports based on current industry standards; field performance may differ from laboratory performance.  
Specifications and dimensions subject to change without notice.

## Accessories

Accessories sold separately

### Jumper Cable

6" White Linkable Jumper Cable	NUC-4-JUMPER-06-WH
6" Black Linkable Jumper Cable	NUC-4-JUMPER-06-BK
12" White Linkable Jumper Cable	NUC-4-JUMPER-12-WH
12" Black Linkable Jumper Cable	NUC-4-JUMPER-12-BK
24" White Linkable Jumper Cable	NUC-4-JUMPER-24-WH
24" Black Linkable Jumper Cable	NUC-4-JUMPER-24-BK
72" White Linkable Jumper Cable	NUC-4-JUMPER-72-WH
72" Black Linkable Jumper Cable	NUC-4-JUMPER-72-BK

### Plug

72" White Cord and Plug	NUC-4-PLUG-WH
72" Black Cord and Plug	NUC-4-PLUG-BK

### Splice

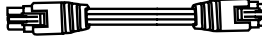

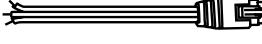
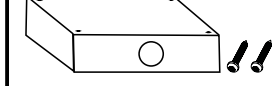

72" White Cord and Splice	NUC-4-SPLICE-WH
72" Black Cord and Splice	NUC-4-SPLICE-BK

### J-Box

Hardwired Conversion Kit	NUC-4-JBOX-WH
Hardwired Conversion Kit	NUC-4-JBOX-BK

### Connector

End to end connector	NUC-4-CONNECTOR-WH
End to end connector	NUC-4-CONNECTOR-BK

 <p>NUC-4-JUMPER-##-## Used to join NUC-4 Linkable fixtures together.</p>	 <p>NUC-4-PLUG-## 72" Cord and plug that Converts NUC-4 Linkable fixtures from hardwire to direct plug-in units.</p>
 <p>NUC-4-SPLICE-## 72" 3-Wire grounded connector cable used to hardwire NUC-4 Linkable fixture to Junction Box.</p>	 <p>NUC-4-JBOX-## Hardwire conversion junction Box used to power NUC-4 Linkable fixtures using jumper cables.</p>
 <p>NUC-4-CONNECTOR-## Used to directly join two NUC-4 Linkable fixtures together.</p>	

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.