

# NLEDC-661

## 6" LED Hardwire/Dedicated Trim with Reflector

Source: LED 11.8 Watts

### PRODUCT DESCRIPTION

Nora Lighting's 6" recessed downlight fixture solution with integrated LED power supply and thermal management system combined in a single compact unit.

### FEATURES

- 7 Year Limited Warranty
- Dimmable down to 5%
- 650 Lumens using only 11.8 watts
- 2700K, 3000K or 4000K at 86 CRI
- Energy Star Rated
- Exceeds California Title 24 high efficacy requirements
- cULus Listed for Damp Location
- Long life LEDs up to 50,000 hours
- Save 75% compared to incandescent sources
- LED Dedicated includes quick connect for use with dedicated Nora housings
- No harmful ultra violet light, infrared wavelengths, or light leak
- Also available in a baffled trim, with decorative glass, or adjustable trim
- Torsion springs hold trim tight to the ceiling

### Trim

Self flanged aluminum spun reflector with deep set diffused lens for excellent visual comfort while providing high lumen output. Available in three color temperatures, 2700K, 3000K or 4000K, to accommodate different appearances.

### Construction

Scientifically and specifiable "Unitized Thermal Management" (UTM) provides exceptional cool operation exceeding all industry standards.

### Mounting

Trim includes two torsion springs to mount trim securely to housing. Replacement torsion springs are available (NRA-86).

### Compatible Housings

NLEDC-661 is compatible with IC Air-Tight LED Diamond Series housings listed below. See individual specification sheets for more information.

### ELECTRICAL

**Voltage:** 120VAC, 100mA

**Power Consumption:** 11.8 Watts

**Lumens:** 650lm

**Color Rendering Index:** 86 CRI

**Light Source:** Cree LED

**LED Driver:** Built-in driver

**Operating Temperature:** 0°C to 50°C ambient temperature (32°F to 122°F)

**Life Expectancy:** 50,000 hours

### Dimming

Nora's 6" LED Diamond Series works with standard leading and trailing edge dimming technologies. Dimming with leading-edge dimmers are 5-100% and for trailing-edge dimmers 10-100%. Nora's 6" Diamond Series only requires 11.8 watts of power, it has much higher efficiency and efficacy than other standard lighting fixtures. There may be some cases that require more than one lighting fixture to be used to achieve the minimum dimmer load. This will greatly depend on the particular dimmer used.

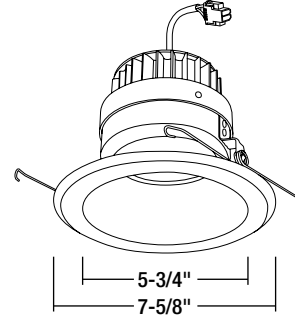
Type

Project

Catalog No.

Lamp/Wattage

### DIMENSIONS



Aperture: 5-3/4"  
Diameter: 7-5/8"

### Compatible Dimmers

Manufacturer	Part #	Type	Compatible with # of Units
Cooper	9530WS-K-L	600W STD	1 or more
Cooper	9534WS-K-L	600W STD	2 or more
Leviton	6633	600W STD	1 or more
Leviton	RPI06	600W STD	1 or more
Lutron	DVELV-300P	300W STD	1 or more
Lutron	DVLV-600P	600W MLV	1 or more
Lutron	TGLV-600PR-WH	600W MLV	1 or more
Lutron	D-600	600W STD	1 or more
Lutron	DVCL-153P	600W STD	1 or more
Lutron	GLV-600-WH	600W STD	1 or more
Lutron	LX-600PL-WH	600W STD	1 or more
Lutron	MAELV-600	600W STD	1 or more
Lutron	S-600	600W STD	1 or more
Lutron	DV-10P	1000W MLV	1 or more
Lutron	GL-1000-WH	1000W STD	1 or more
Lutron	LX-10PL-WH	1000W STD	1 or more
Lutron	MA-1000-WH	1000W STD	1 or more
Lutron	S10P	1000W STD	1 or more
Lutron	S-1000-WH	1000W STD	1 or more

### Labels and Listings

Title 24 Compliant  
cULus Listed for Damp Location  
WSEC ASTM E283 for Air-Tight  
Energy Star Rated  
RoHS Compliant  
7 Year Limited Warranty  
Conforms to IESNA LM-79 and LM-80



Create a complete trim / housing catalog numbers: Example: NLEDC-66130BZBZ / NHIC-6LMRAT

6" LED Hardwire/Dedicated Trim - select one from each column

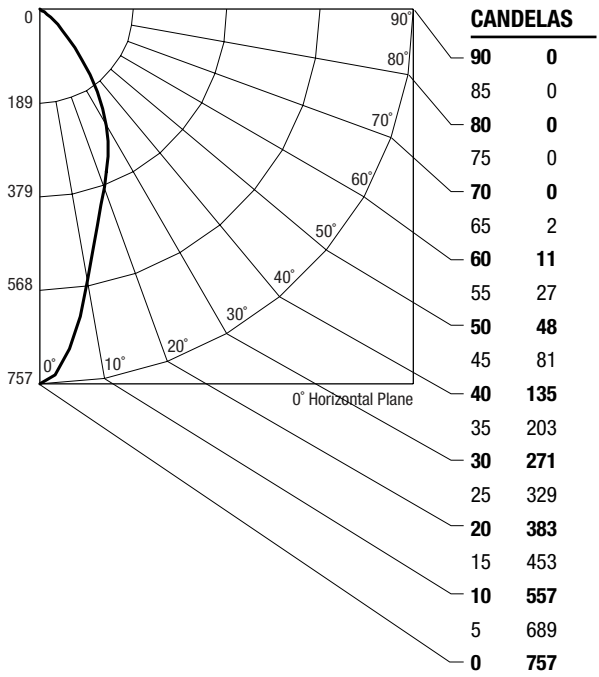
Catalog No.	CCT	Finish
NLEDC-661	27 = 2700K	BW = Specular Black Reflector, White Flange
	30 = 3000K	BZBZ = Bronze Reflector, Bronze Flange
	40 = 4000K	COCO = Copper Reflector, Copper Flange
		CW = Specular Clear Reflector, White Flange
		HZW = Haze Reflector, White Flange
		NN = Natural Metal Reflector, Natural Metal Flange
		WW = White Reflector, White Flange

### Compatible Housings

Item Number	Installation Type	Dimensions
NHIC-6LMRAT	IC AT New Construction	W: 7" L: 10-1/8" H: 7-1/2"
NHRIC-6LMRAT	IC Air-Tight Remodel Housing	W: 6-3/4" L: 13-3/4" H: 7-1/2"

# Photometrics - NLED-66130CW

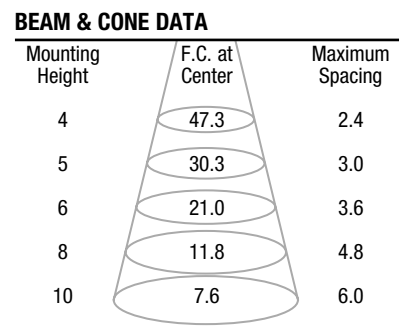
Lab: Lighting Sciences Inc. IESNA: LM-63-2002 Test No. 27802 Spacing Criteria: 0.6 Efficacy (Lumens Per Watt): 53.1 lm/W  
 Lamp: LED Total Watts: 10.5 Lumens: 558 lm Color Rendering Index: 87.1 Correlated Color Temperature: 3036K



RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	81	88	84	81	85	82	80	78
4	95	87	81	77	94	86	81	76	84	79	75	82	78	75	80	77	74	72
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	66
6	85	76	69	65	84	75	69	64	73	68	63	72	67	63	70	66	63	62
7	81	71	64	60	79	70	64	60	69	63	59	67	63	59	66	62	59	57
8	76	66	60	56	75	66	60	55	65	59	55	63	59	55	62	58	55	53
9	73	62	56	52	71	62	56	52	61	55	51	60	55	51	59	54	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	47

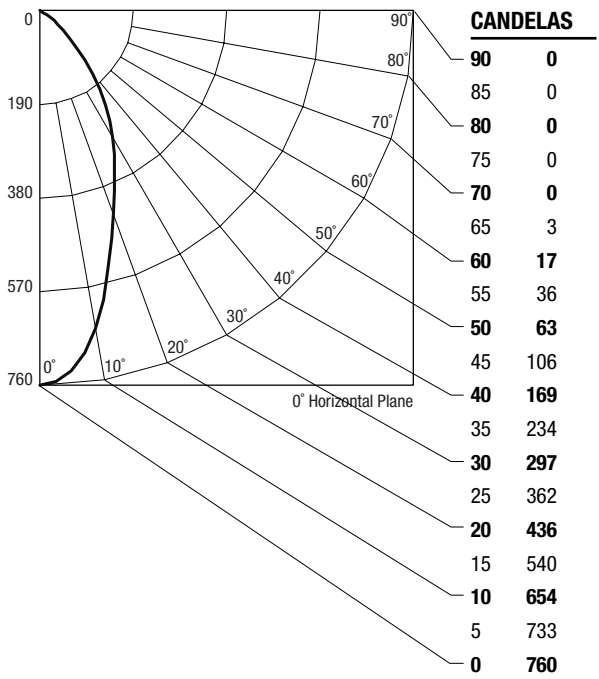
\* Effective Floor Cavity Reflectance = 20%

Angle in Degrees	Average 0-Deg	Average 90-Deg
45	9827	9827
55	3998	3998
65	364	364
75	0	0
85	0	0



# Photometrics - NLED-66140CW

Lab: Lighting Sciences Inc. IESNA: LM-63-2002 Test No. 28933 Spacing Criteria: 0.7 Efficacy (Lumens Per Watt): 63.8 lm/W  
 Lamp: LED Total Watts: 10.2 Lumens: 651 lm Color Rendering Index: 84.9 Correlated Color Temperature: 3985K



RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93
2	107	102	97	93	105	100	96	92	97	93	90	93	91	88	91	89	87	85
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71
5	90	80	74	69	88	79	74	69	78	72	68	76	71	68	74	70	67	66
6	85	75	68	64	83	74	68	63	73	67	63	71	66	63	70	65	62	61
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	65	61	58	56
8	76	65	59	55	74	65	59	54	64	58	54	63	58	54	62	57	54	52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46

\* Effective Floor Cavity Reflectance = 20%

Angle in Degrees	Average 0-Deg	Average 90-Deg
45	10642	10642
55	4377	4377
65	502	502
75	0	0
85	0	0

