

# NRLM Series

## RLM LED Shades

Source: 15W to 48W LED  
1200lm to 3800lm

Type \_\_\_\_\_

Project \_\_\_\_\_

Catalog No. \_\_\_\_\_

Notes \_\_\_\_\_

### PRODUCT DESCRIPTION

A beautiful timeless aluminum spun shade fits many decors. The LED optics are deep set in the bowl for even distribution and visual comfort. Shades are available in three sizes and multiple finishes.

### FEATURES

- Over 80% energy savings when compared to incandescent
- 8", 10" or 16" diameter shades
- 1200lm, 2000lm, 2200lm, 2500lm, 3000lm or 3800lm output
- Field adjustable pendant cord or stem mounted up to 96"
- Built-in dimmable LED driver allows for minimal canopy size
- 5-year limited warranty

### SPECIFICATION

**Construction:** Heavy duty spun aluminum alloy, suitable for residential and commercial LED lighting needs. Integral driver in shade allows for minimal canopy size.

### INSTALLATION

**Cable Mount:** Luminaire includes 8' of field cuttable cable and canopy. Optional 20' cable available, consult factory.

**Stem Mount:** Luminaire includes a swivel canopy and 12" internally threaded stem(s) for attaching together. Stem length must be specified on part number. Swivel canopy is compatible with sloped ceilings with a ceiling pitch from 1/12 to 10/12.

**Finish:** Outer shade finishes include black, gun metal or white. Inner shade reflector is white.

### ELECTRICAL

**Input Voltage:** 120V / 277V

**Lumens / Wattage / Shade Size:**

10 = 1200lm / 15W / 8"

18 = 2200lm / 30W / 8"

20 = 2000lm / 23W / 10"

30 = 3000lm / 36W / 10"

25 = 2500lm / 27W / 16"

38 = 3800lm / 48W / 16"

**Color Temperature:** 3000K, 3500K or 4000K

**Color Rendering Index:** 90+CRI

**Dimming:** Dimmable down to 10% with ELV or 0-10V and 20% with Triac dimmer.

[Click Here](#) or check complete dimmer list at [www.NoraLighting.com](http://www.NoraLighting.com) in the "Compatibility" page under "Resources" tab

### LABELS AND LISTINGS

- cULus Listed for Damp Locations
- ENERGY STAR certified
- [5-Year Limited Warranty](#)
- Certified to the high efficacy requirements of California Title 24 JA8-2022



### PRODUCT IMAGES & DIMENSIONS



**NRLM-8**  
8" Shade



**NRLM-10**  
10" Shade



**NRLM-16**  
16" Shade

### RLM LED Shades

| Shade Diameter                 | Mounting Type       | Lumens / Wattage                    | Color Temperature | Shade Finish                               | Driver   | Stem Length (ST only) |
|--------------------------------|---------------------|-------------------------------------|-------------------|--|--|-----------------------|
| <b>NRLM-8</b> = 8" LED Shade   | <b>C</b> = 8' Cable | <b>10</b> = 1200lm / 15W (8" only)  | <b>30</b> = 3000K | <b>BW</b> = Black Outer / White Inner      | <b>LE4</b> = 120/277V input; Triac / ELV / 0-10V dimming | <b>/12</b> = 12" Stem |
| <b>NRLM-10</b> = 10" LED Shade | <b>ST</b> = Stem    | <b>18</b> = 2200lm / 30W (8" only)  | <b>35</b> = 3500K | <b>GMW</b> = Gun Metal Outer / White Inner |  | <b>/24</b> = 24" Stem |
| <b>NRLM-16</b> = 16" LED Shade |                     | <b>20</b> = 2000lm / 23W (10" only) | <b>40</b> = 4000K | <b>WW</b> = White Outer / White Inner      |  | <b>/36</b> = 36" Stem |
|                                |                     | <b>30</b> = 3000lm / 36W (10" only) |                   |  |  | <b>/48</b> = 48" Stem |
|                                |                     | <b>25</b> = 2500lm / 27W (16" only) |                   |  |  | <b>/60</b> = 60" Stem |
|                                |                     | <b>38</b> = 3800lm / 48W (16" only) |                   |  |  | <b>/72</b> = 72" Stem |
|                                |                     |                                     |                   |  |  | <b>/84</b> = 84" Stem |
|                                |                     |                                     |                   |  |  | <b>/96</b> = 96" Stem |

Example: **NRLM-10C3035BWLE4** = 10" RLM LED Shade with 8' Cable, 3000lm / 36W, 3500K, Black Outer / White Inner Finish

# PHOTOMETRICS

## RLM LED Shades

Type

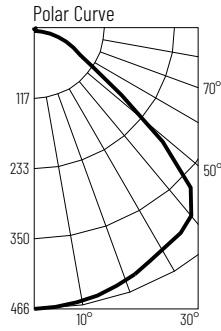
Project

Catalog No.

Notes

### Test Information

Test Number: NTP103  
 Part Number: NRLM-8C1030BWLE4  
 Lumens: 1228lm  
 Wattage: 13.81W  
 Efficacy: 89lpw  
 CCT / CRI: 3000K / 90 CRI  
 Spacing Criteria (0°-180): 1.4  
 Spacing Criteria (90°-270): 1.4



### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 29.1fc      | 10'-2"        |
| 6'                      | 12.9fc      | 15'-2"        |
| 8'                      | 7.3fc       | 20'-4"        |
| 10'                     | 4.7fc       | 25'-5"        |
| 12'                     | 3.2fc       | 30'-6"        |

### Zonal Lumen Summary

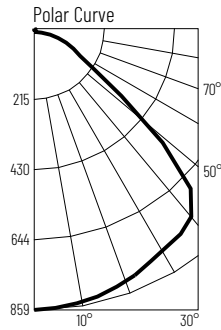
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 307    | 25          |
| 0-40   | 526    | 42.8        |
| 0-60   | 1050   | 85.5        |
| 0-90   | 1211   | 98.6        |
| 90-180 | 17     | 1.4         |
| 0-180  | 1228   | 100         |

### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 466     |
| 5               | 464     |
| 15              | 454     |
| 25              | 436     |
| 35              | 420     |
| 45              | 372     |

### Test Information

Test Number: NTP104  
 Part Number: NRLM-8C1830BWLE4  
 Lumens: 2260lm  
 Wattage: 28.22W  
 Efficacy: 80lpw  
 CCT / CRI: 3000K / 90 CRI  
 Spacing Criteria (0°-180): 1.4  
 Spacing Criteria (90°-270): 1.4



### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 53.7fc      | 10'-2"        |
| 6'                      | 23.9fc      | 15'-2"        |
| 8'                      | 13.4fc      | 20'-4"        |
| 10'                     | 8.6fc       | 25'-5"        |
| 12'                     | 6fc         | 30'-6"        |

### Zonal Lumen Summary

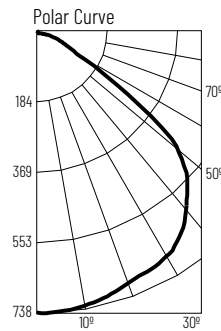
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 690    | 30.6        |
| 0-40   | 1174   | 52          |
| 0-60   | 1961   | 86.8        |
| 0-90   | 2229   | 98.6        |
| 90-180 | 31     | 1.4         |
| 0-180  | 2260   | 100         |

### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 859     |
| 5               | 857     |
| 15              | 837     |
| 25              | 804     |
| 35              | 773     |
| 45              | 665     |

### Test Information

Test Number: NTP100  
 Part Number: NRLM-10C2030BWLE4  
 Lumens: 1921lm  
 Wattage: 23.1W  
 Efficacy: 83lpw  
 CCT / CRI: 3000K / 90 CRI  
 Spacing Criteria (0°-180): 1.38  
 Spacing Criteria (90°-270): 1.38



### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 46fc        | 11'-1"        |
| 6'                      | 20.4fc      | 16'-8"        |
| 8'                      | 11.5fc      | 22'-2"        |
| 10'                     | 7.4fc       | 27'-10"       |
| 12'                     | 5.1fc       | 33'-4"        |

### Zonal Lumen Summary

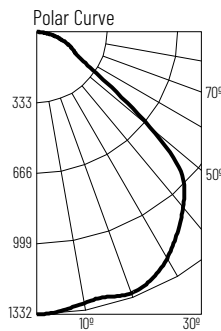
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 591    | 30.8        |
| 0-40   | 1000   | 52.1        |
| 0-60   | 1732   | 90.2        |
| 0-90   | 1906   | 99.2        |
| 90-180 | 15.5   | 0.8         |
| 0-180  | 1921   | 100         |

### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 736     |
| 5               | 734     |
| 15              | 717     |
| 25              | 689     |
| 35              | 657     |
| 45              | 562     |

### Test Information

Test Number: 12311299.01  
 Part Number: NRLM-10C3030BWLE4  
 Lumens: 3223lm  
 Wattage: 34.7W  
 Efficacy: 93lpw  
 CCT / CRI: 3000K / 90 CRI  
 Spacing Criteria (0°-180): 1.36  
 Spacing Criteria (90°-270): 1.36



### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 83.3fc      | 9'-8"         |
| 6'                      | 37fc        | 14'-6"        |
| 8'                      | 20.8fc      | 19'-5"        |
| 10'                     | 13.3fc      | 24'-2"        |
| 12'                     | 9.3fc       | 29'           |

### Zonal Lumen Summary

| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 1086   | 33.7        |
| 0-40   | 1812   | 56.2        |
| 0-60   | 2894   | 89.8        |
| 0-90   | 3223   | 100         |
| 90-180 | 0      | 0           |
| 0-180  | 3223   | 100         |

### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 1332    |
| 5               | 1321    |
| 15              | 1294    |
| 25              | 1288    |
| 35              | 1159    |
| 45              | 978     |

# PHOTOMETRICS

## RLM LED Shades

Type \_\_\_\_\_

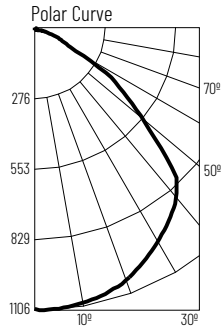
Project \_\_\_\_\_

Catalog No. \_\_\_\_\_

Notes \_\_\_\_\_

### Test Information

Test Number: NTP101  
 Part Number: NRLM-16C2530BWLE4  
 Lumens: 2654lm  
 Wattage: 27.3W  
 Efficacy: 97lpw  
 CCT / CRI: 3000K / 90 CRI  
 Spacing Criteria (0°-180): 1.3  
 Spacing Criteria (90°-270): 1.3



### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 68.8fc      | 10'-5"        |
| 6'                      | 30.6fc      | 15'-7"        |
| 8'                      | 17.2fc      | 20'-10"       |
| 10'                     | 11fc        | 26'           |
| 12'                     | 7.6fc       | 31'-2"        |

### Zonal Lumen Summary

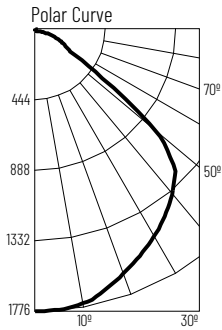
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 868    | 32.7        |
| 0-40   | 1440   | 54.3        |
| 0-60   | 2394   | 90.2        |
| 0-90   | 2633   | 99.2        |
| 90-180 | 21     | 0.8         |
| 0-180  | 2654   | 100         |

### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 1100    |
| 5               | 1094    |
| 15              | 1079    |
| 25              | 998     |
| 35              | 914     |
| 45              | 806     |

### Test Information

Test Number: NTP102  
 Part Number: NRLM-16C3830BWLE4  
 Lumens: 4099lm  
 Wattage: 50W  
 Efficacy: 83lpw  
 CCT / CRI: 3000K / 90 CRI  
 Spacing Criteria (0°-180): 1.28  
 Spacing Criteria (90°-270): 1.26



### Illuminance at a Distance

| Distance from Luminaire | FC at Nadir | Beam Diameter |
|-------------------------|-------------|---------------|
| 4'                      | 111fc       | 10'-1"        |
| 6'                      | 49.3fc      | 15'-1"        |
| 8'                      | 27.7fc      | 20'-1"        |
| 10'                     | 17.7fc      | 25'-2"        |
| 12'                     | 12.3fc      | 30'-2"        |

### Zonal Lumen Summary

| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 1366   | 33.3        |
| 0-40   | 2257   | 55.1        |
| 0-60   | 3708   | 90.5        |
| 0-90   | 4067   | 99.2        |
| 90-180 | 32     | 0.8         |
| 0-180  | 4099   | 100         |

### Candela Table

| Vertical Angles | Candela |
|-----------------|---------|
| 0               | 1775    |
| 5               | 1773    |
| 15              | 1697    |
| 25              | 1565    |
| 35              | 1427    |
| 45              | 1252    |