

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
- 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: 96" pendant cord with minimal canopy size. Field adjustable cord can be shortened to desired length. Optional 20" pendant cord available, consult factory.

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"

25 = 2500lm / 31W / 16"

30 = 3000lm / 36W / 10"

38 = 3800lm / 48W / 16"

Color Temperature: 3000K, 3500K or 4000K

CRI: 90+CRI

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

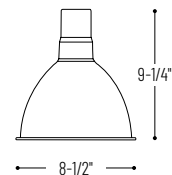
[Click Here](#) or check complete dimmer list at www.NoraLighting.com in the "Compatibility" page under "Resources" tab

LABELS AND LISTINGS

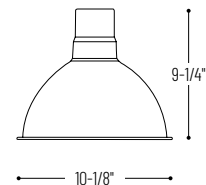
- cULus Listed for Damp Locations
- ENERGY STAR certified
- [5-Year Limited Warranty](#)
- Can be used to comply with 2019 Title 24 – part 6 High Efficacy LED light source requirements



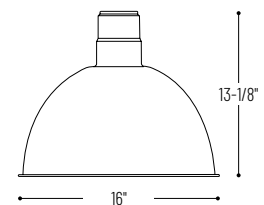
PRODUCT IMAGES & DIMENSIONS



NRLM-8C
8" Shade



NRLM-10
10" Shade



NRLM-16
16" Shade

RLM LED Shades

Series	Shade Diameter / Mounting / Lumens / Wattage	Color Temperature	Shade Finish	Driver
NRLM = RLM LED Shades	-8C10 = 8" / Pendant Mounted / 1200lm / 15W	30 = 3000K	BW = Black Outer / White Inner	LE4 = 120-277V input; Triac / ELV / 0-10V dimming
	-8C18 = 8" / Pendant Mounted / 2200lm / 30W	35 = 3500K	GMW = Gun Metal Outer / White Inner	
	-10C20 = 10" / Pendant Mounted / 2000lm / 23W	40 = 4000K	WW = White Outer / White Inner	
	-10C30 = 10" / Pendant Mounted / 3000lm / 36W			
	-16C25 = 16" / Pendant Mounted / 2500lm / 31W			
	-16C38 = 16" / Pendant Mounted / 3800lm / 48W			

Example: **NRLM-10C3035BWLE4** = 10" RLM LED Shade with 96" Pendant Cord, 3000lm / 36W, 3500K, Black Outer / White Inner Finish

PHOTOMETRICS

RLM LED Shades

Type

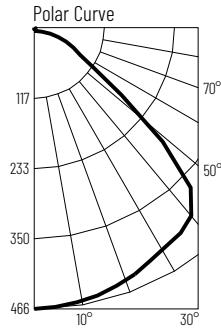
Project

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

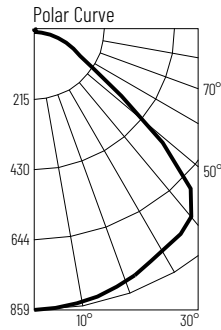
Zone	Lumens	% Luminaire
0-30	307	25
0-40	526	42.8
0-60	1050	85.5
0-90	1211	98.6
90-180	17	1.4
0-180	1228	100

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

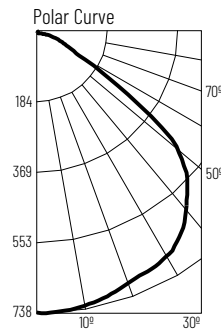
Zone	Lumens	% Luminaire
0-30	690	30.6
0-40	1174	52
0-60	1961	86.8
0-90	2229	98.6
90-180	31	1.4
0-180	2260	100

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

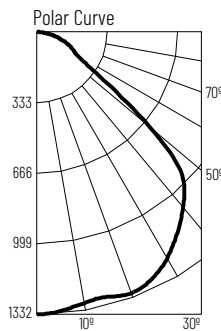
Zone	Lumens	% Luminaire
0-30	591	30.8
0-40	1000	52.1
0-60	1732	90.2
0-90	1906	99.2
90-180	15.5	0.8
0-180	1921	100

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 _____

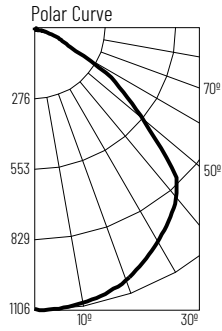
Project _____

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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

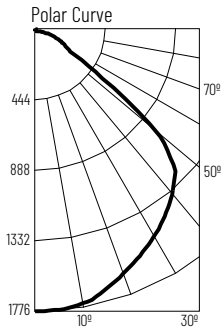
Zone	Lumens	% Luminaire
0-30	868	32.7
0-40	1440	54.3
0-60	2394	90.2
0-90	2633	99.2
90-180	21	0.8
0-180	2654	100

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