

Type _____

Project _____

Catalog No. _____

Lamp/Wattage _____

Marquise Series

NRM-4

4" Dedicated LED with Reflector Trim

Source: LED 11 Watts @ 850 Source Lumens = 700 Delivered Lumens
LED 16 Watts @ 1250 Source Lumens = 1025 Delivered Lumens

PRODUCT DESCRIPTION

Nora Lighting's 4" recessed downlight fixture solution with thermal management system combined in a single compact unit. Cree True White LED ceramic package and Unitized Thermal Management (UTM) system. Available in New construction and Remodel style. Outboard mounted driver allows for cooler operation and extends life.

FEATURES

- 5 Year Limited Warranty
- Cree platform
- 90+ CRI true White (Registered)
- Dimmable (850 & 1250 Triac)
- Title 24 Compliant
- LED 11W @ 850 Source Lumens = 700 Delivered Lumens
- LED 16W @ 1250 Source Lumens = 1025 Delivered Lumens
- Available in 2700K, 3000K, 3500K, 4000K and Comfort Dim, 91CRI

Trim

Aluminum spun reflector with deep set diffused lens for excellent visual comfort while providing high lumen output. Available in 2700K, 3000K, 3500K, 4000K or Comfort Dim color temp.

Optics

- Cree True White® Technology
- Flat frosted shatterproof acrylic composite lens
- 90+ CRI
- 97 LPW LEDs producing high efficiency fixture performance
- LM-80 data
- Dimmable

Construction

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

Mounting

Trim includes friction blades to mount trim securely to housing.

ELECTRICAL

Voltage: 120/277VAC

Current: 91mA

Power Consumption: 850lm=11 W / 1250lm=16W

Light Source: Cree True White Ceramic LED package Platform

CRI: 91 CRI

LED Driver: CREE LMD125 for 120V / ERP for 277V (Non-Dimmable)

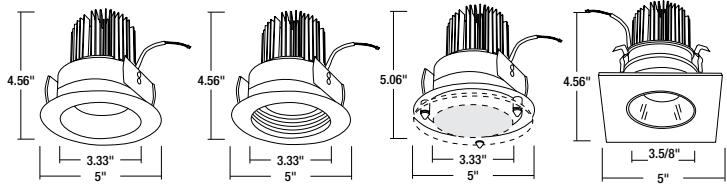
Operating Temperature: 0°C to 75°C ambient temperature

Life Expectancy: 50,000 hours

Bodine Emergency Lighting Equipment: BSL17-C2/BSL17C-C2 (850/1250lm)

- Up to 7.0W max emergency illumination with LEDs.
- Illumination Time: 90min
- Dual Input Voltage: 120/277 VAC, 60Hz
- Output Voltage: 15.0-50.0 VDC
- AC Input Current: 45 mA
- Output Current: 470mA max
- Dimension: 12" x 2.4" x 1.5"

DIMENSIONS



Dimming

Marquise Series Dimming: 850 and 1250 lumen units require triac style dimmers. 2000 Lumen require 0-10V dimming protocol. [Click Here](#) or refer to www.NoraLighting.com for complete updated dimmer list in the "Compatibility" page under the "Resource" tab.

Comfort Dim

Comfort Dim color tunes the temperature from a bright 2700K, to a romantic and comfortable 1800K on a gradual, even curve.

Comfort Dim is available in 3 different lumen levels:

- 850 and 1250 Lumens for lower ceiling heights in commercial and residential applications.

Labels and Listings

Title 24 Compliant

cULus Listed for Wet Location

WSEC ASTM E283 for Air-Tight

5 Year Limited Warranty

4" LED with Reflector Trim

Catalog No.	Source	Lumen	Color Temp
NRM-411	L=LED	85=850	27=2700K
NRM-412		12=1250	30=3000K
NRM-413			35=3500K
NRM-418			40=4000K
			CD=Comfort Dim

*EM: BSL17-C2/BSL17C-C2 Emergency LED Drive Class 2 Output
Compatible with CREE LMH Module.

Deco Glass Options

NTG-4B/80	4" Tempered Blue Glass with 3-1/8" Open Center
NTG-4CF	4" Tempered Clear Glass with Frosted Center
NTG-4FC	4" Tempered Frosted Glass with Clear Center
NTG-4HC	4" Tempered Clear Glass with Frosted Center and 3-1/8" Open Center

Compatible Housing

Catalog No.	Description	Driver	Voltage	Emergency
NHM-412	4" 1250lm New Const	(Blank)=Standard	LE1=120V	EM=Emergency
NHRM-412	4" 1250lm Remodel	C=Comfort Dim	LE2=277V	
NHMIC-485	4" 850lm IC New Const			
NHRMIC-485	4" 850lm IC Remodel			
NHMICD-412	4" 1250lm IC Double Wall			
NFBIC-4L85AT	4" Marquise 850 Lumen IC Dedicated Fire Box			
NFBIC-4L12AT	4" Marquise 1250 Lumen IC Dedicated Fire Box			

Finish

411/418 Refelcor & Flange	412 Baffle & Flange Finishes	413 Reflector & Flange Finishes
BW = Specular Black Reflector, White Flange	BW = Black Baffle / White Flange	BZ = Bronze Reflector and Flange
BZ = Bronze Reflector, Bronze Flange	BZ = Bronze Baffle and Flange	CW = Specular Clear Refl. / White Flange
CO = Copper Reflector, Copper Flange	CO = Copper Baffle and Flange	HZW = Haze Refl. / White Flange
CW = Specular Clear Reflector, White Flange	NN = Natural Metal Baffle and Flange	NN = Natural Metal Refl. and Flange
HZW = Haze Reflector, White Flange	WW = White Baffle and Flange	WW = White Refl. and Flange
NN = Natural Metal Reflector & Flange		
WW = White Reflector, White Flange		

Create a complete trim / housing catalog numbers: Example: NRM-411L8527BZBZ / NHMIC-485LE1EM

Marquise Series

NRM-411

4" Dedicated LED with Reflector Trim

Source: LED 10.6 Watts @ 850 Source Lumens = 700 Delivered Lumens
 LED 15.75 Watts @ 1250 Source Lumens = 1025 Delivered Lumens

Type

Project

Catalog No.

Lamp/Wattage

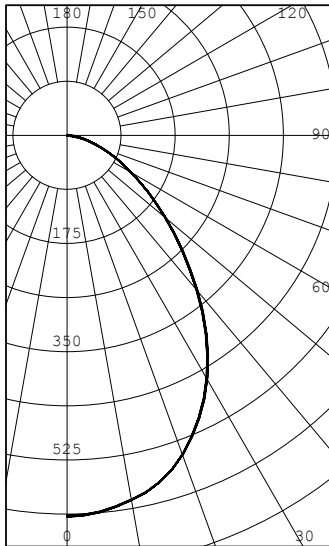
NHM-412LE1/NRM-411L8530DW

Voltage: 120.0 VAC	Power: 10.55 W	Frequency: 60Hz	Test Temp: 25.0°C	Current: 0.09210 A	PF: 0.954	SC: 1.0
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COEFFICIENTS OF UTILIZATION CONAL CAVITY METHOD
 EFFECTIVE FLOOR CAVITY REFLECTANCE = 0.20

CC	90				80				70				50			30			10			0
WALL	70	50	30	10	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																						
0	1.22	1.22	1.22	1.22	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.15	1.12	1.09	1.07	1.13	1.10	1.07	1.05	1.11	1.08	1.05	1.03	1.04	1.02	1.00	1.00	0.99	0.97	0.97	0.95	0.94	0.92
2	1.09	1.04	0.99	0.95	1.07	1.02	0.98	0.94	1.05	1.00	0.96	0.93	0.97	0.94	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.85
3	1.03	0.95	0.90	0.85	1.01	0.94	0.89	0.85	0.99	0.93	0.88	0.84	0.90	0.86	0.83	0.88	0.84	0.81	0.86	0.83	0.80	0.79
4	0.97	0.89	0.82	0.78	0.95	0.87	0.82	0.77	0.94	0.86	0.81	0.77	0.84	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.72
5	0.92	0.82	0.75	0.70	0.90	0.81	0.75	0.70	0.88	0.80	0.74	0.70	0.78	0.73	0.69	0.76	0.72	0.68	0.75	0.71	0.68	0.66
6	0.86	0.76	0.69	0.65	0.85	0.75	0.69	0.64	0.83	0.74	0.68	0.64	0.73	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.62	0.61
7	0.81	0.70	0.63	0.59	0.79	0.69	0.63	0.58	0.78	0.69	0.62	0.58	0.67	0.62	0.58	0.66	0.61	0.57	0.65	0.60	0.57	0.55
8	0.76	0.65	0.58	0.54	0.75	0.64	0.58	0.53	0.73	0.63	0.57	0.53	0.62	0.57	0.53	0.61	0.56	0.52	0.60	0.56	0.52	0.51
9	0.71	0.60	0.53	0.48	0.70	0.60	0.53	0.48	0.69	0.59	0.53	0.48	0.58	0.52	0.48	0.57	0.52	0.48	0.56	0.51	0.48	0.46
10	0.67	0.56	0.49	0.44	0.66	0.55	0.49	0.44	0.65	0.55	0.49	0.44	0.54	0.48	0.44	0.53	0.48	0.44	0.52	0.47	0.44	0.42

INTENSITY (CANDLEPOWER) SUMMARY



ANGLE	MEAN CP
0	616
5	612
10	599
15	580
20	548
25	505
30	452
35	392
40	327
45	264
50	208
55	160
60	120
65	87
70	60
75	38
80	20
85	6
90	0

ZONAL LUMENS & PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	367	49.95
0-40	538	73.27
0-60	713	97.10
0-90	735	100.00
40-90	196	26.73
60-90	21	2.90
90-180	0	0.00
0-180	735	100.00

LUMINACE SUMMARY CD./SQ.M.

ANGLE	MEAN CD/SQ M
45	35490
55	16885
65	6890
75	835
85	0