# NHM-612 (1250LM, 120/277V)
# NHM-620 (2000LM, 120/277V)
# 6" LED Marquise New Construction Housing

NORALIGHTING.

Type
Project
Catalog No.
Lamp/Wattage

## PRODUCT DESCRIPTION
Six inch thermally protected universal line voltage new construction housing.

## CONSTRUCTION
**Plaster Frame**
High quality 0.032 steel die cut one piece frame. Bar hanger brackets on all four sides provide two possible position for installation.

**Housing**
0.040 steel housing with riveted cap adjusts to maximum ceiling thickness of 1-3/4" (45mm). Spring brackets accept torsion wing trim springs; slots on socket plate surface accept standard coil springs.

**Minimum Clearance**
Non-IC housings require minimum clearance of 3" from thermal insulation and 1/2" from adjacent building components.

**Bar Hangers**
Two 13-3/4" to 24-1/2" adjustable bar hangers with captive nails are included on frame. Bar hangers are parallel to junction box, but can be repositioned 90º perpendicular to junction box if desired. "L" Shaped bar hanger foot to align to bottom of construction joist. A T-Bar notch allow for easy installation in a suspended ceiling. Frame may also be supported with aircraft structural cable for drop panel ceilings or any other application requiring direct support from a structural ceiling.

**Junction Box**
Prewired 25 cubic inch 0.064" thick galvanized steel, with five 1/2", two 3/4" knockouts, four Romex® pryouts, and snap on covers. All leads are #18AWG wire, the ground wire is connected to the bottom, and quick connectors are supplied on all leads. Through branch circuit wiring, (4-in, 4-out).

**Dimming**
- 850 &1250 Lumen Triac dimming standard
- Comfort Dim requires ELV dimmer
- 2000 Lumen 0-10V dimming standard
- Consult factory for optional 850 & 1250LM 0-10V and 2000LM triac dimming

**Quick Connect Feature**
Housing contains three UL approved quick connections that allow insertion of 1/4" stripped solid or tinned standard conductors to be inserted into the connector. Connectors are pre-attached to fixture power, common, and ground circuits.

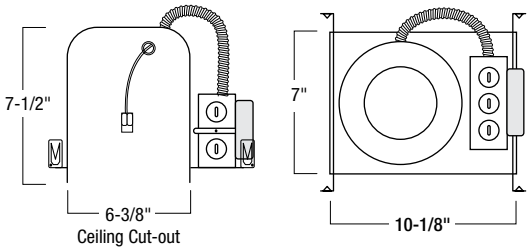
**Thermal Protector**
External thermal device is located on the junction box.

**Trim**
Compatible with NRM-61 Series.

## EMERGENCY
90-minute battery back up must be ordered separately and installed apart from the housing in an accessible location.

**DRIVER**
- CREE LMD125 for 120V 850/1250 Lumen. ERP ELM03W-0440-34 for 277V 850/1250Lumen
- CREE LMD300 for 120/277 2000LM

**Wiring**
Standard flex whip carries wire lead from junction box into housing. Wire leads extend from housing and thermal device to the luminary disconnect.




Cut-out: 6-3/8"
ID: 6"

Housing Length: 10-1/8"
Housing Width: 7"
Housing Height: 7-1/2"

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**Bodine Emergency Lighting Equpment: 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"

**Bodine Emergency Lighting Equpment: BSL17C-C2P (2000/3000lm)**
- 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: 280 mA
- Output Current: 270mA max
- Dimension: 12" x 2.4" x 1.5"

**Labels and Listings**
cULus Listed for Damp Location w/ Feed Through
cULus Wet Listed (Only with designated trims)
Meets or exceeds ASTM-283 Air-Tight Requirements
Title 24
Energy Star

### 6" LED Marquise New Construction Housing

| Catalog No. | Desctiption | Driver | Voltage | Emergency |
|---|---|---|---|---|
| ☐ NHM-612 | 6" 1250lm New Const | ☐ (Blank)=Standard | ☐ LE1=120V | ☐ EM=Emergency |
| ☐ NHM-620 | 6" 2000lm New Const | ☐ C=Comfort Dim | ☐ LE2=277V | |


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NORALIGHTING.

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# NHM-620 (2000LM, 120/277V)
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Type
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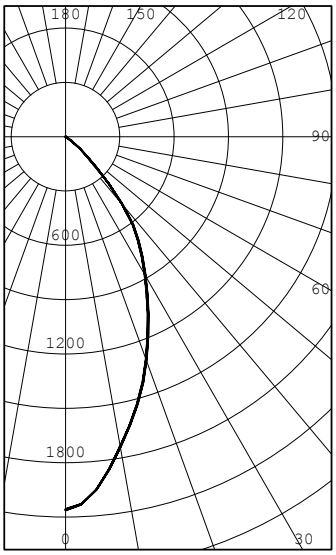
## NHM-620LE1 / NRM-611L2030DW

| **Voltage:** 120.0 VAC | **Power:** 25.21 W | **Frequency:** 60Hz | **Test Temp:** 24.8°C | **Current:** 0.2126 A | **PF:** 0.988 | **SC:** 0.8 |
|---|---|---|---|---|---|---|

COEFFICENTS 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 | 1.16 | 1.13 | 1.11 | 1.09 | 1.14 | 1.11 | 1.09 | 1.07 | 1.12 | 1.10 | 1.07 | 1.05 | 1.05 | 1.04 | 1.02 | 1.02 | 1.00 | 0.99 | 0.98 | 0.97 | 0.96 | 0.95 |
| 2 | 1.11 | 1.07 | 1.03 | 0.99 | 1.09 | 1.05 | 1.01 | 0.98 | 1.07 | 1.03 | 1.00 | 0.97 | 1.00 | 0.97 | 0.95 | 0.97 | 0.95 | 0.93 | 0.94 | 0.93 | 0.91 | 0.89 |
| 3 | 1.06 | 1.00 | 0.95 | 0.91 | 1.04 | 0.98 | 0.94 | 0.90 | 1.02 | 0.97 | 0.93 | 0.90 | 0.95 | 0.91 | 0.88 | 0.92 | 0.90 | 0.87 | 0.90 | 0.88 | 0.86 | 0.84 |
| 4 | 1.01 | 0.94 | 0.88 | 0.85 | 1.00 | 0.93 | 0.88 | 0.84 | 0.98 | 0.92 | 0.87 | 0.84 | 0.90 | 0.86 | 0.83 | 0.88 | 0.84 | 0.82 | 0.86 | 0.83 | 0.81 | 0.79 |
| 5 | 0.97 | 0.88 | 0.82 | 0.78 | 0.95 | 0.87 | 0.82 | 0.78 | 0.93 | 0.86 | 0.81 | 0.78 | 0.85 | 0.80 | 0.77 | 0.83 | 0.79 | 0.76 | 0.82 | 0.78 | 0.76 | 0.74 |
| 6 | 0.92 | 0.83 | 0.77 | 0.73 | 0.91 | 0.82 | 0.77 | 0.73 | 0.89 | 0.82 | 0.76 | 0.73 | 0.80 | 0.76 | 0.72 | 0.79 | 0.75 | 0.72 | 0.78 | 0.74 | 0.71 | 0.70 |
| 7 | 0.87 | 0.78 | 0.72 | 0.68 | 0.86 | 0.77 | 0.72 | 0.68 | 0.85 | 0.77 | 0.71 | 0.67 | 0.75 | 0.71 | 0.67 | 0.74 | 0.70 | 0.67 | 0.73 | 0.69 | 0.66 | 0.65 |
| 8 | 0.83 | 0.73 | 0.67 | 0.64 | 0.82 | 0.73 | 0.67 | 0.63 | 0.81 | 0.72 | 0.67 | 0.63 | 0.71 | 0.66 | 0.63 | 0.70 | 0.66 | 0.62 | 0.69 | 0.65 | 0.62 | 0.61 |
| 9 | 0.78 | 0.69 | 0.63 | 0.59 | 0.77 | 0.68 | 0.63 | 0.59 | 0.76 | 0.68 | 0.62 | 0.59 | 0.67 | 0.62 | 0.58 | 0.66 | 0.61 | 0.58 | 0.65 | 0.61 | 0.58 | 0.57 |
| 10 | 0.74 | 0.64 | 0.58 | 0.55 | 0.73 | 0.64 | 0.58 | 0.55 | 0.72 | 0.64 | 0.58 | 0.55 | 0.63 | 0.58 | 0.54 | 0.62 | 0.57 | 0.54 | 0.61 | 0.57 | 0.54 | 0.53 |

## INTENSITY (CANDLEPOWER) SUMMARY




| ANGLE | MEAN CP |
|---|---|
| 0 | 2059 |
| 5 | 1957 |
| 10 | 1740 |
| 15 | 1529 |
| 20 | 1305 |
| 25 | 1078 |
| 30 | 877 |
| 35 | 700 |
| 40 | 485 |
| 45 | 244 |
| 50 | 105 |
| 55 | 32 |
| 60 | 2 |
| 65 | 1 |
| 70 | 0 |
| 75 | 0 |
| 80 | 0 |
| 85 | 0 |
| 90 | 0 |

### ZONAL LUMENS & PERCENTAGES

| ZONE | LUMENS | % LUMINAIRE |
|---|---|---|
| 0-30 | 1100 | 62.30 |
| 0-40 | 1530 | 86.66 |
| 0-60 | 1764 | 99.93 |
| 0-90 | 1766 | 100.00 |
| 40-90 | 236 | 13.34 |
| 60-90 | 1 | 0.07 |
| 90-180 | 0 | 0.00 |
| 0-180 | 1766 | 100.00 |

### LUMINACE SUMMARY CD./SQ.M.

| ANGLE | MEAN CD/SQ M |
|---|---|
| 45 | 20637 |
| 55 | 3325 |
| 65 | 142 |
| 75 | 7 |
| 85 | 0 |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