

# M2 SERIES

## 2" Miniature Recessed Downlight

---

**Question:** Can the M2 be used IC applications? (Can the M2 be in contact with insulation?)

**Answer:** Yes, absolutely.

**Question:** Are all M2 fixtures offered in 850 lumen output?

**Answer:** No, adjustable gimbal and elbow are not available in 850 lumens. Adjustable gimbal is available in 400 or 600 lumens and elbow is available in 500 lumens only.

**Question:** Nora offers a haze and black reflector as an accessory. Are these difficult to change in the field?

**Answer:** No! The reflector is held in place by the flange ring and it just twists off and on.

**Question:** Why do we offer the black reflector accessory when we offer the all black unit?

**Answer:** The black M2 is ALL black, reflector and flange. Some of the purest and lighting design people want a white flange and black reflector to minimize the aperture brightness. Note: Combining the haze reflector with the black or white unit or greatly reduces aperture brightness.

**Question:** Is the gimbal style M2 offered in a haze finish?

**Answer:** No! Because of its construction the M2 Gimbal is only offered in all Black or all White.

**Question:** So the M2 is only recommended for niche applications?

**Answer:** Absolutely NOT! The M2 makes a great downlight on standard ceiling heights. If you check the photometrics we are getting about 40 foot candles at 6' distance using the 650 lumen unit. However, for even light distribution they would have to be fairly close to each other. The M2 can be an excellent punch of light in many applications.

**Question:** Can you give some suggested applications for the M2.

**Answer:** Sure! In a kitchen where the builder has done "4 corner" lighting technique, placing (4+) 6" downlights evenly spaced in the room. Now you add the M2 over the counters and maybe over the island to create another layer and to make the counter tops pop with light. In a family room, you mount a couple close to fireplace to graze the stone, you place others around the room lighting the focal points. In the bedroom, you place a couple over the bed for reading, you place some over the dressers. In the bathroom, placed over sink basins to show off hardware. In the foyer, use the 400 lumen unit to light up a niche. With the ease of installation, the M2 can take a builder's production home and turn it into a show place.

**Question:** Can I change the beam spread on the M2?

**Answer:** Only the elbow which includes two optics. All other M2 LED luminaires include a dedicated optic that cannot be replaced.

**Question:** Can I hook up a M2 to a central driver to have multiple M2's operating from a single driver?

**Answer:** No. Nora does not support this and it would void the warranty. However, the M2 has a 40' maximum distance from driver to fixture. This would allow you to mount the individual drivers in a central location and home run the leads from the M2 fixtures back to the location. This is the reason we also offer extension cables in 4' and 20' lengths. The cables are male/female and can be joined together to create custom lengths.

# M2 SERIES

## 2" Miniature Recessed Downlight

---

**Question:** This looks really good for remodel applications. Can I use it in new construction?

**Answer:** Yes, but most local codes will require the use of a new construction frame so the drywall knows where to cut holes so wires are not buried in the ceiling. Nora offers the NM2-2R-F frame-in plate for new construction applications.

**Question:** The new construction frame-in plate is only about 13" long. How do I use this with 24" or 18" on-center construction?

**Answer:** The M2 frame-in plate only attaches on one side. So it allows placement of cutout hole anywhere between the joist. The frame-in plate does not support any weight and is merely a marker for the drywall.

**Question:** To be honest I have seen others with products like this. Are there differences in Nora's M2 we should know about?

**Answer:** Yes!! Nora offers small flanges, so when installed it looks like a downlights that cost much more. The optional reflectors. The optional leads. A simple inexpensive frame-in plate for new construction. Photometrics. Competitive price. Last but not least, NORA SUPPORT!

**Question:** Does each unit include it own driver?

**Answer:** Yes. Each unit contains a driver in the junction box. Junction boxes can be used to feed another M2 junction box. You can also mount the junction box drivers in a central location using M2 extensions to control switching, dimming and ease of maintenance or servicing.

**Question:** Can you briefly describe how to install a M2 Fixture?

**Answer:** See steps below

- Select location and make a pilot to check for any obstructions, remember insulation is ok
- Cut holes in ceiling for each M2 Fixture
- Decide on driver location(s) and wire accordingly
- Wire drivers according to local code
- Pull low voltage conductor from M2 junction box through hole cut-out
- Join low voltage wire to low voltage wire on M2 fixture
- Pinch M2 flippers together and insert in hole and let flippers go and the M2 fixture will suck up tight to the ceiling.
- Turn on power and enjoy your M2 fixtures