

JOB NAME

CONTACT

ORDERING CODE

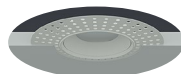


LM-79

NU4"

Round Downlight
Warm Dim

Trim



Trimless



Trimless Millwork

DESCRIPTION

The NU4RD-WD 4" recessed downlight by ALPHABET offers economical and efficient dim-to-warm LED technology from Luminus, premium performance, thoughtful construction and pleasing aesthetics. Offered standard with premium dimming using EldoLED 1% flicker free drivers 120V-277V universal voltage. Several beam angles available, plus an optional high-efficiency BrightView diffused lens for smooth light distribution and obscured LED image.

For the trim version, a minimalistic look is achieved with an ultrathin 1/16" trim that is only 5/16" wide. Color choices of both trim and bezel are offered for a customized look. For the trimless version, a perforated, mud up, regressed trim assembly provides for clean, trim free installation. Perforated mud frame's integrated lip helps guide the joint compound creating a sharp and clean opening.

HOUSING

Electrocoated 16-gauge cold-rolled steel provides enhanced structural reinforcement and rust prevention. Superior, UL-certified, injection-molded commercial-grade Lexan™ (PC) is used for the frame and regressed bezel trim. Lexan provides unmatched durability and impact resistance, and is tested for UV resistance and water exposure in outdoor applications. Alternative high-grade die-cast aluminum alloy trim and bezel that has superior corrosion resistance properties, combined with a smooth aesthetic finish consistently meeting stringent performance criteria. The thermally-advanced, anodized heat sink uses 6063 aluminum alloy. Wet location rated is offered standard. A 90-minute constant-power IOTA emergency battery backup is available.

MOUNTING

An advanced mounting system allows for quick and secure installation with LED and driver serviceability from below the ceiling. The LED assembly uses die-cast aluminum mounting clamp grips (MCG) that swing out to tighten onto variable ceiling thicknesses. Integrated rubber feet on each MCG provide a non-slip vibration-resistant installation. The hidden MCG system is accessible from below ceiling by removing the snap-in lens/bezel assembly with either the included suction cup or a screwdriver blade. Integrated bar hangers feature integral toothed nails, T-bar mounting slots with locking holes, tabs for joist positioning. Retrofit mounting option allows for installation from below ceiling by use of compact driver box. No risk damaging LED or bezel assembly during installation, these are installed during last steps. Fixture and driver are easily removed for servicing after install without damaging drywall.

| MOUNTING DIMENSIONS | CEILING THICKNESS | CEILING CUTOUT |
|---------------------|-------------------|-----------------|
| Trim | 1/8" to 1-5/8" | 4-3/8" diameter |
| Trimless | 3/8" to 1-3/4" | 4-1/2" diameter |
| Millwork (Trimless) | 1/2" to 1-3/4" | 4-3/8" diameter |

| | |
|---------------------------------------------------------------------|-----------------------------------------------------------------------|
| New Construction Bar Hangers (included) | Mounting Length: 14-3/4" to 26" |
| Extension Kit p/n: K20266 (ordered separately, 1 per fixture) | Extends a pair of Bar Hangers Total Mounting Length: 29" to 48" |

LISTINGS

- ETLus Listed to UL1598, cETL Listed to CSA C22.2 #250.0
- IP65 with lens - Suitable for wet locations with lens - Suitable for damp locations without lens
- Non-conductive, Lexan dead-front construction
- Made in the USA - meets the requirements of the Buy American provision within the ARRA

| RATINGS / CERTIFICATIONS | NC | RET | IC | ICAT | CP |
|---------------------------------------|----|-----|----|------|----|
| Type non-IC | ✓ | ✓ | | | |
| Type IC | | | ✓ | ✓ | ✓ |
| Chicago Plenum (CCEA) | | | | | ✓ |
| Suitable for air handling plenums | | | | ✓ | ✓ |
| Reduced airflow (with lens) ASTM E283 | ✓ | ✓ | ✓ | ✓ | ✓ |

LED INFO

- LUMINUS Dim-to-warm COB:
- 97 CRI: SDCM = 3-step MacAdam Ellipse; Lumen Maintenance: L₇₀> 54,000 hrs

ORDERING CODE

| SERIES | NU4 | |
|---------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TYPE | RD RDT RDM RDTMW | round downlight round downlight trimless round downlight metal round downlight trimless millwork |
| LED | WD | warm dim (Luminus) |
| DELIVERED LUMENS | 10LM 13LM 20LM 30LM | 800 lm 1040 lm 1600 lm 2400 lm |
| CCT | 3018 | 3000K, dim to 1800K |
| CRI | 97 | 97 CRI |
| REFLECTOR & LM MULTIPLIER | HE40 HE55 HE80 SS25 SS40 SS60 D40 D60 WH80 | 40° high efficiency diffused lens (0.99) 55° high efficiency diffused lens (0.99) 80° high efficiency diffused lens (0.91) 25° semi-specular with clear lens (0.95) 40° semi-specular with clear lens (0.85) 60° semi-specular with clear lens (0.97) 40° diffused with clear lens (0.89) 60° diffused with clear lens (0.93) 80° brilliant white with clear lens (0.93) |
| ACCESSORIES | HCL ⁵ | honeycomb louver |
| VOLTAGE | 120 UNV | 120V 120V-277V |
| DIMMING | DIM10 DIM10Z DALI DALIZ DMXZ LUT ELV ² ELV1 ² | eldoLED flicker free 0-10V dimming to 1% eldoLED flicker free 0-10V dimming to 0% eldoLED flicker free DALI dimming to 1% eldoLED flicker free DALI dimming to 0% DMX dim to zero Lutron Hi-lume Ecosystem dimming to 1%, Soft-on & Fade-to-Black leading & trailing edge (Triac/ELV) dimming to < 10% leading & trailing edge (Triac/ELV) dimming to 1% |
| MOUNTING OPTIONS | NC IC ¹ ICAT ¹ CP ¹ RET | new construction with ceiling fitting plate insulation contact housing insulation contact/airtight housing chicago plenum housing retrofit, no ceiling fitting plate |
| TRIM COLOR | BK WH MC BZ WT | black white matte chrome bronze wheat Not applicable to trimless option. Do not include in trimless ordering code. |
| BEZEL COLOR | BK WH MC BZ WT | black white matte chrome bronze wheat |
| ELECTRICAL OPTIONS | EM7 ³ EM12 ³ | emergency battery backup, 90 minutes at 7 watts to LED emergency battery backup, 90 minutes at 12 watts to LED |

ORDERING CODE

Follow the steps to specify your fixture, example:

NU4 - RD - WD - 13LM - 3018 - 97 - HE55 - 120 - DIM10 - NC - WH - WH - EM7

| LUMINUS (LED) | | POWER | CCT AT LIGHT LEVEL (%LF) ⁴ | | | | |
|---------------|--|-----------|---------------------------------------|------|------|------|------|
| DELIVERED LM | | W (97CRI) | %LF | 30LM | 20LM | 13LM | 10LM |
| 800 | | 13 | 100% | 3000 | 3000 | 3000 | 3000 |
| 1040 | | 17 | 50% | 3000 | 3000 | 3000 | 2800 |
| 1600 | | 27 | 25% | 2800 | 2800 | 2500 | 2300 |
| 2400 | | 40 | 10% | 2200 | 2200 | 2000 | 1900 |
| | | | 5% | 1800 | 1800 | 1800 | 1800 |

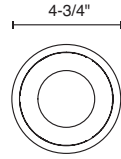
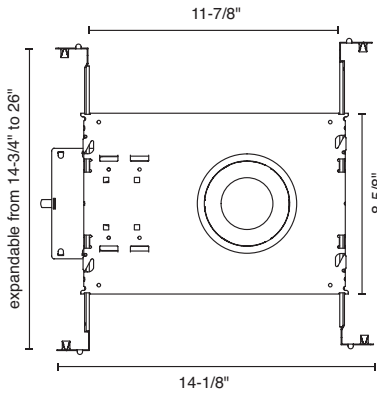
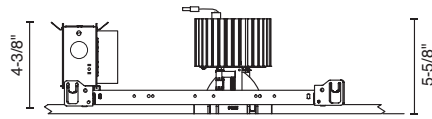
Power Factor ≥ 0.9

NOTES

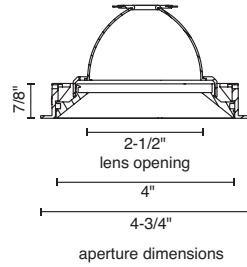
1. IC/ICAT/CP not available for 30LM.
2. Triac/ELV dimming available in 120V only.
3. For integrated test switch add "ITS" after emergency backup code, i.e. EM12ITS. Test switch is mounted in the bezel of the fixture. Not available for RDM.
4. Values shown are for reference only. Actual CCT may vary.
5. HCL not available with lens. Multiply delivered lumens by (0.78) and beam spread by (0.80) when honeycomb louver is chosen.

MOUNTING OPTIONS

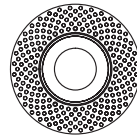
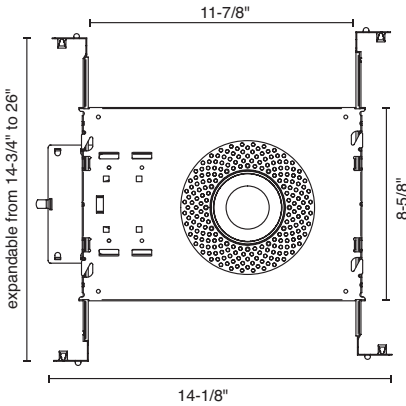
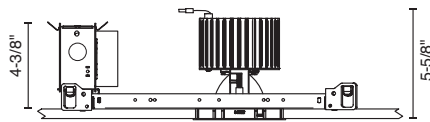
NC - NEW CONSTRUCTION TRIM



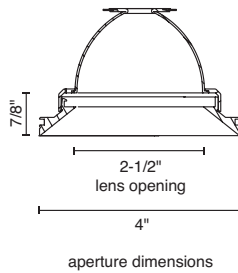
ceiling cutout
4-3/8" diameter



NC - NEW CONSTRUCTION TRIMLESS



ceiling cutout
4-1/2" diameter



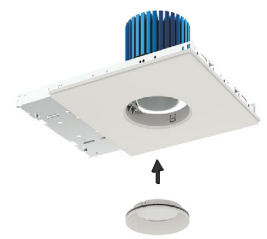
1. Fasten mud frame to ceiling.



2. Insert protective cover (included).
Apply joint compound over the mud frame.



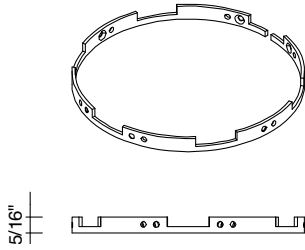
3. Install LED assembly.



4. Install bezel.

MOUNTING OPTIONS (CONTINUED)

RDTMW – MILLWORK TRIMLESS



Millwork Mounting Bracket

NOTES

- 1 Ceiling cutout 4-3/8".
- 2 Millwork Mounting Bracket & Mounting Screws are included with each Luminaire.
- 3 One Plastic Spacer and two C-Clamps are included with each order.
- 4 Refer to Installation Instructions for further details.



1. Insert Millwork Mounting Bracket using the included Plastic Spacer for proper depth positioning.



2. Use the included C-Clamps to temporarily hold the Plastic Spacer in position. Fasten the included wood screws into the Mounting Bracket using a right-angle impact driver (supplied by others).



3. Remove Plastic Spacer.



4. Install Luminaire.

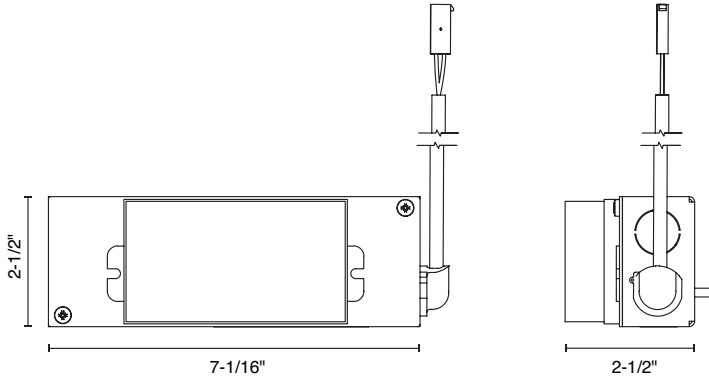


5. Insert Bezel to finish the installation.

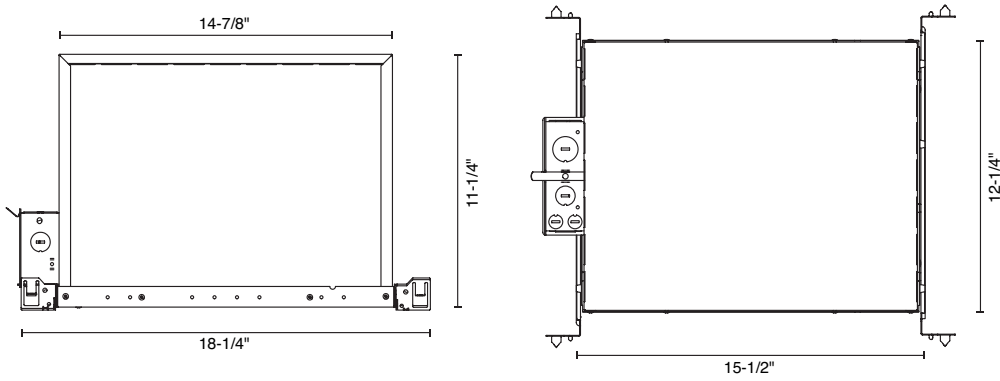


MOUNTING OPTIONS (CONTINUED)

RET - RETROFIT TRIM/TRIMLESS



IC - INSULATION CONTACT HOUSING TRIM/TRIMLESS



CP - CHICAGO PLENUM ICAT - INSULATION CONTACT / AIR TIGHT TRIM/TRIMLESS

