ALPHABET LEDRAbrands

Alphabet by Ledra Brands, Inc.

88 Maxwell
Irvine, CA 92618

PH: 714.259.9959
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AlphabetLighting.com

JOB NAME

CONTACT

ORDERING CODE

NU4" Round Downlight Vector Xicato

Bluetooth BEAM CONTROL · LensVector · CASAMBI · XICATO · eldoLED *your product | our drive*

Trim

Trimless Millwork

pia 18 · EdisonReport *The Business of Lighting* · LFI INNOVATION AWARDS

ORDERING CODE

LM-79

SERIES	NU4	
TYPE	RD	round downlight
	RDTMW	round downlight trimless millwork
LED	XTM09	Xicato XTM 9mm
DELIVERED LUMENS	07LM	525 lm
	10LM	750 lm
	13LM	975 lm
	20LM	1500 lm
	Standard Configuration: 3000K 83CRI	
CCT	27K	2700K
	30K	3000K
	35K	3500K
	40K	4000K
CRI	83	83 CRI
	98[1]	98 CRI
REFLECTOR	LV	Lens Vector Beam Control 10°-55°
	LV2	Lens Vector Beam Control 10°-30°
	Lens Vector available with Casambi or hardwired 0-10V.	
VOLTAGE	120	120V
	UNV	120V-277V
DIMMING	CAS[2]	Casambi BLE control with flicker free 1% dimming
	DIM10[3]	0-10V Beam Control + flicker free 0-10V dimming to 1% (no BLE Control)
	DIM10Z[3]	0-10V Beam Control + flicker free 0-10V dimming to 0% (no BLE Control)
MOUNTING OPTIONS	NC	new construction with ceiling fitting plate
	RET	retrofit, no ceiling fitting platev
TRIM COLOR	BK	black
	WH	white
	MC	matte chrome
	BZ	bronze
	WT	wheat
BEZEL COLOR	BK	black
	WH	white
	MC	matte chrome
	BZ	bronze
	WT	wheat

ORDERING CODE

Follow the steps to specify your fixture, example:
NU4 - RD - XTM09 - 13LM - 35K - 83 - LV - 120 - CAS - NC - WH - WH

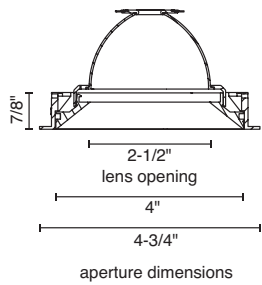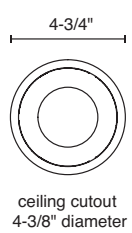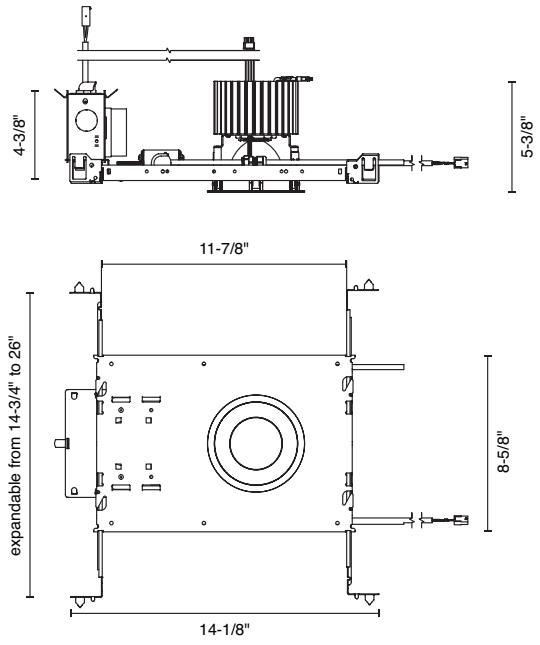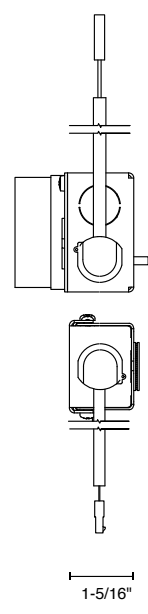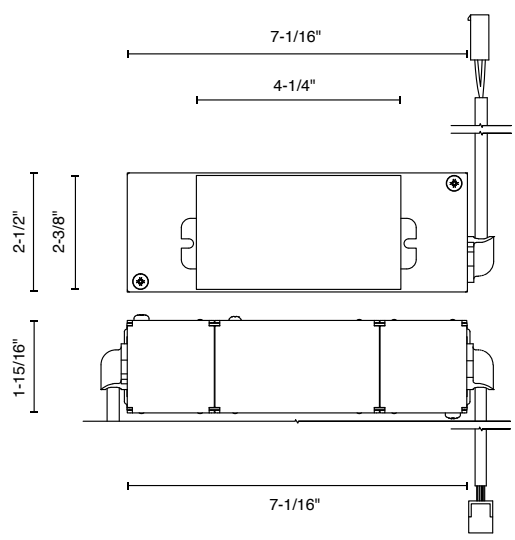| XTM09 (LED)	POWER	
DELIVERED LM	W (83 CRI)	W (98 CRI)
550	10	12
750	15	21
975	19	30
1000	36	N/A

Power Factor ≥ 0.9

NOTES
1. 98CRI not available in 20LM.
2. Casambi App allows for commissioning and control: 0.1° beam angle resolution, dimming & on/off, wireless smart switches, grouping functions, scenes and animations, timers, & iBeacon technology.
3. Compatible with standard hardwired 0-10V controls. 2 separate controls required for beam angle and dimming. Driver uses logarithmic dimming curve as standard. For linear dimming curve add "LIN" after dimming code, i.e. DIM10LIN.

DESCRIPTION

The NU4RD VECTOR 4" recessed downlight by ALPHABET offers LensVector beam shaping technology, premium performance, thoughtful construction and pleasing aesthetics. Allows for individual wireless control using Casambi or optional hardwired 0-10V control. Offered standard with premium dimming using EldoLED 1% flicker free drivers 120V-277V universal voltage. 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.

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. The thermally-advanced, anodized heat sink uses 6063 aluminum alloy. 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
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
- Type Non-IC, Airtight ASTM Standard E283
- Suitable for damp locations
- Non-conductive, Lexan dead-front construction
- Made in the USA - meets the requirements of the Buy American provision within the ARRA

LED INFO

- SDCM = 1X2 MacAdam Ellipse, Duv +/- 0.001, Lumen Maintenance: L_{90} > 55,000 hrs

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MOUNTING OPTIONS

NC - NEW CONSTRUCTION

4-3/8"

5-3/8"

4-3/4"

ceiling cutout
4-3/8" diameter

11-7/8"

expandable from 14-3/4" to 26"

8-5/8"

14-1/8"

7/8"

2-1/2"
lens opening

4"

4-3/4"

aperture dimensions

RET - RETROFIT

7-1/16"

4-1/4"

2-1/2"

2-3/8"

1-15/16"

7-1/16"

1-5/16"

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![Alphabet by Ledra Brands logo]

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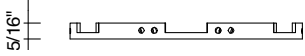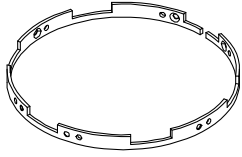## MOUNTING OPTIONS (CONTINUED)

RDTMW – MILLWORK
TRIMLESS

5/16"

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).

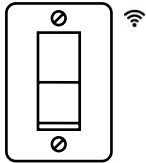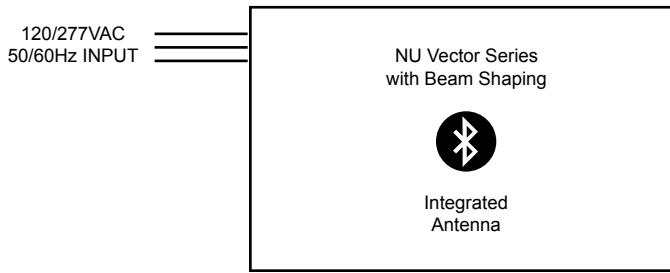3. Remove Plastic Spacer.

4. Install Luminaire.

5. Insert Bezel to finish the installation.

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WIRING DIAGRAMS

LENS VECTOR ILLUMINANCE + CBCP DATA

"CAS" CASAMBI CONTROLS

120/277VAC 50/60Hz INPUT

NU Vector Series with Beam Shaping

Integrated Antenna
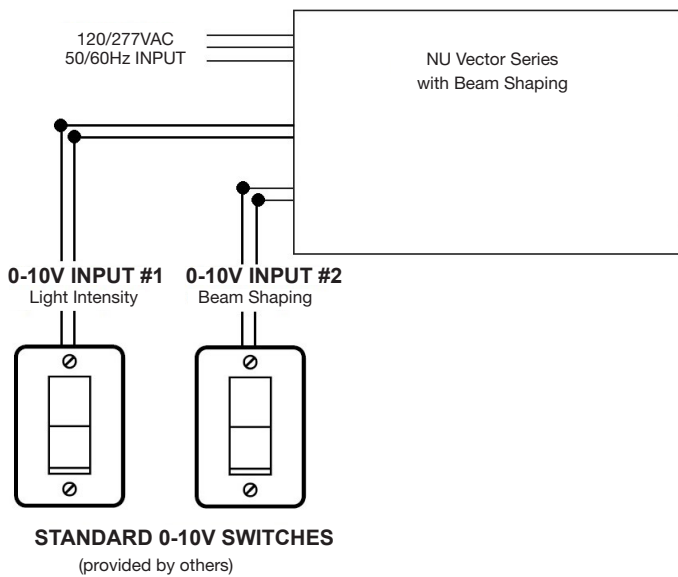
COMPATIBLE WIRELESS SWITCHES
Beam Shaping & LightIntensityControl

CASAMBI™ APP (IOS & Android)
Wireless Commissioning, Beam Shaping & Light Intensity Control

NU4-RD-XTM09-20LM-30K-83-LV-120-CAS-NC-WH-WH

Illuminance at a Distance

	Center Beam fc	Beam Width
5.0ft	815 fc	0.9 ft
10.0ft	204 fc	1.9 ft
15.0ft	90.6 fc	2.8 ft
20.0ft	50.9 fc	3.7 ft
25.0ft	32.6 fc	4.7 ft
30.0ft	22.6 fc	5.6 ft

■ Beam Spread: 10.6°

Illuminance at a Distance

	Center Beam fc	Beam Width
5.0ft	49.5 fc	5.6 ft
10.0ft	12.4 fc	11.1 ft
15.0ft	5.50 fc	16.7 ft
20.0ft	3.09 fc	22.2 ft
25.0ft	1.98 fc	27.8 ft
30.0ft	1.37 fc	33.4 ft

■ Beam Spread: 58.1°

"DIM10/DIM10Z" HARDWIRED 0-10V CONTROLS

120/277VAC 50/60Hz INPUT

NU Vector Series with Beam Shaping

0-10V INPUT #1
Light Intensity

0-10V INPUT #2
Beam Shaping

STANDARD 0-10V SWITCHES
(provided by others)

CENTER BEAM CANDLE POWER CHART

CBCP at 1500 lm delivered

NOTES

1 Consult factory to order compatible wireless switches.
2 Beam will be set to maximum angle at 10V and minimum angle at <1V. Some dimmers may require fine trim adjustment.

In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. | v.5.6.22 | NU4RD Vector | Page 4 of 4

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