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NU4

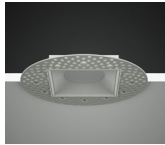## 4" Square Wall Wash RGBW

WW BEAM		
(Note: Specifications are subject to change without notice)		
22mm COLOR TUNING MODULE PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	820LM @30K/90CRI	25W
Notes	Delivered lumens based on WW optic with no lens, (see page 2)	

CASAMBI

NSF | AT airtight | DF dead-front | PR plenum rated | wet rated
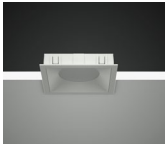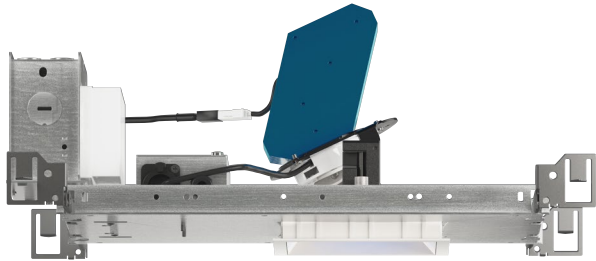
Trim	Trimless	Trimless Millwork

FEATURES

- An asymmetric reflector with highly efficient BrightView angle bending lens produces excellent wall washing with no scalloping
- RGB (W) five white CCT options available.
- On-board, closed-loop optical feedback measures the lumen depreciation of each channel and re-balances the color model to ensure color consistency over the life of LED array.
- UGR <18
- Multiple mounting, trims and finishes available

LED

- Lumiled LUXEON C Color Line
- SDCM = 2-step MacAdam Ellipse, Duv +/- 0.002, Lumen Maintenance: L_{70} > 50,000 hrs

DIMMING AND CONTROLS

- DMX512-A-RDM control, 8 bit channel control with 0-255 grey bit scale. DMX connection by wire leads.
- BLE mesh network control, profile allows color mixing on Casambi app

LISTING

- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- IP65 with lens - Suitable for wet locations with lens - Suitable for damp locations without lens
- Non-conductive, dead-front construction (shower approved)
- Made in the USA - meets the requirements of the Buy American provision within the ARRA
- NSF/ANSI-2 with lens (Non-Food and Splash Zones)
- 5 Year Limited warranty

CONSTRUCTION

- Shatter proof acrylic bezel lens
- LEXAN™ (PC) Optimal connectivity for wireless control signal
- Impact and chemical resistant at the highest level
- With stands temperatures up to 240° F
- Electrocoated 16-gauge cold-rolled steel construction
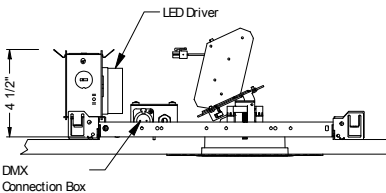- Accommodates ceiling thickness from 1/8" to 1-1/4"

ELECTRICAL

- 120-277VAC 50/60Hz input
- Power factor > 0.9
- Max ambient temperature 50C
- Battery Backup not offered. Emergency Generator/Inverter/Controls-Override Device supplied by others

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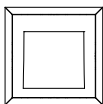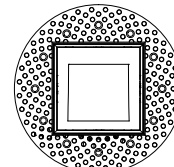### FIXTURE HEIGHT

TRIMMED
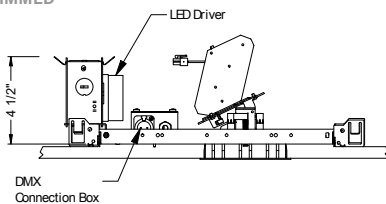
TRIMLESS

TRIMMED

ceiling cutout
4-1/4" square

ceiling thickness
1/8" to 1-1/4"

TRIMLESS

ceiling cutout
4-1/2" square

ceiling thickness
3/8" to 1-3/4"

MILLWORK

ceiling cutout
4-1/4" square

ceiling thickness
5/8" to 1-3/4"

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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.8.14.23 | NU4QW-RGBW | Page 1 of 6

alphabet

WW BEAM ORDERING CODE

SERIES	NU4	NU4
TYPE	QW	square wall wash
	QWT	square wall wash trimless
	QWTMW	square wall wash trimless millwork
LED	RGBW	4 channel color module
DELIVERED LUMENS	10LM	820lm
		Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Optic Multiplier]
CCT	27K	RGBW with white at 2700K
	30K	RGBW with white at 3000K
	35K	RGBW with white at 3500K
	43K	RGBW with white at 4300K
	65K	RGBW with white at 6500K
CRI	90	90 CRI
OPTIC & LM MULTIPLIER SEE PAGE 2	WW	wall wash
TRIM COLOR SEE PAGE 2	BK	black
	WH	white
	MC	matte chrome
	BZ	bronze
	WT	wheat
		Not applicable to trimless option. Do not include in trimless ordering code.
BEZEL COLOR SEE PAGE 2	BK	black (0.98)
	WH	white (1.00)
	MC	matte chrome (0.99)
	BZ	bronze (0.98)
	WT	wheat (0.99)

WW BEAM ORDERING CODE

MOUNTING OPTIONS SEE PAGE 5, 6	NC	new construction with ceiling fitting plate
	IC	insulation contact housing
	ICAT	insulation contact/airtight housing
	CP	chicago plenum housing
	RET	retrofit, no ceiling fitting plate
VOLTAGE	UNV	120V-277V
DIMMING	DMX-RJ45	DMX control dimming to 0.1% with RJ45 connection box
	DMX-XLR	DMX control dimming to 0.1% with XLR 5pin connection box
	DMX-WL	DMX control dimming to 0.1% with wire lead connection box
	CAS	Casambi Bluetooth control with flicker free 0.1% dimming

YOUR COMPLETED ORDERING CODE

Follow the steps to specify your fixture, example:

NU4 - QW - RGBW - 10LM - 30K - 90 - WW - BK - BK - NC - UNV - DMX - RJ45

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TRIM OPTIONS

TRIM/BEZEL COLORS

Trim
Bezel Lens
Bezel

WH	MC	BK	BZ	WT

PHOTOMETRIC DATA DIAGRAM

Wall Wash Light Fixture ←→

Midpoint Between Fixtures
Center of fixture

Ceiling Level

1'
2'
3'
4'
5'
6'
7'
8'
9'
10'

Distance Between Fixture Centers ←→
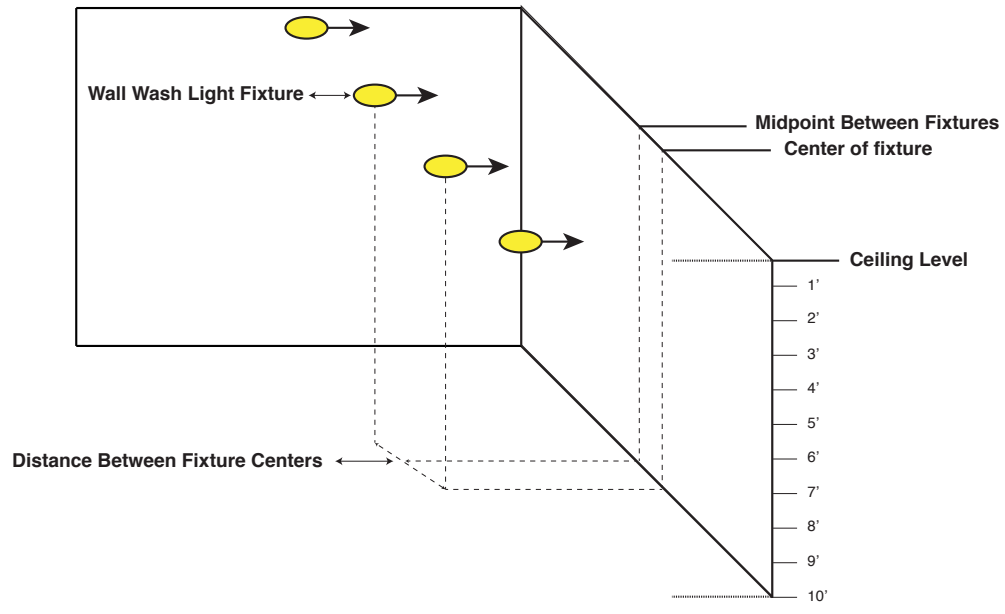
PHOTOMETRIC DATA CHARTS

FOOT CANDLE MEASUREMENT

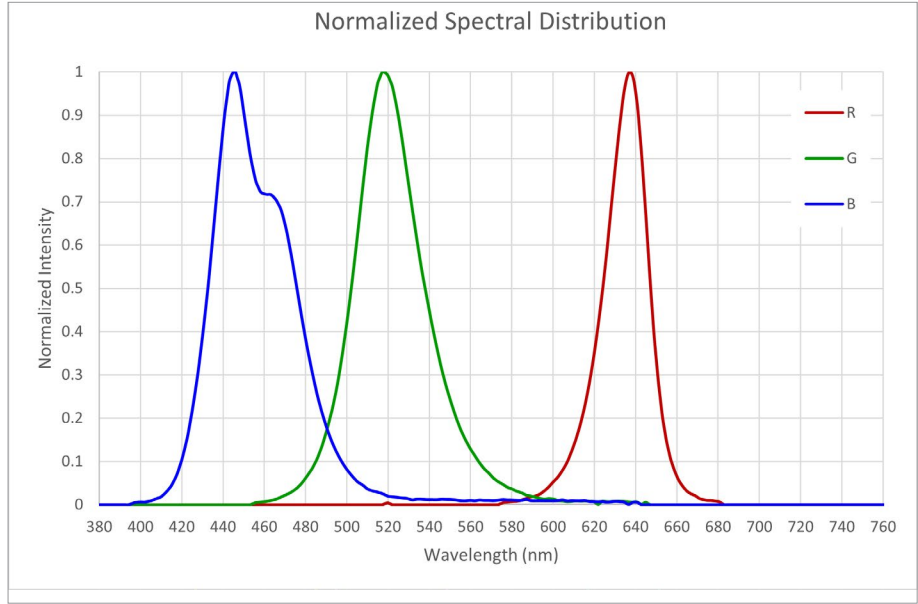| RGBW WALL WASH, 10LM, WHITE																		
MOUNTING DISTANCE	2' FROM WALL						3' FROM WALL						4' FROM WALL					
FIXTURE SPACING	2' ON CENTER		3' ON CENTER		4' ON CENTER		2' ON CENTER		3' ON CENTER		4' ON CENTER		3' ON CENTER		4' ON CENTER		6' ON CENTER	
DISTANCE FROM CEILING	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT
1'	22.4	21.2	17.5	12.3	16.6	6.2	5.4	5.5	3.7	3.9	3.2	2.6	1.5	1.6	1.2	1.2	0.9	0.7
2'	41.6	42.2	29.3	28.1	23.9	19.2	20.8	21.3	15	14.5	11.5	10.8	7.2	7	5.6	5.3	4.4	3.1
3'	32.7	33.4	23.3	23.5	18.1	17.6	25.1	25.8	18.5	18.8	14.3	14.1	12.1	12.3	9.5	9.4	6.7	6.1
4'	22.4	23.2	17	17.2	13.1	13.3	20.7	21.5	16.1	16.4	12.6	12.7	13.1	13.3	10.4	10.6	7.3	7
5'	15.1	15.5	11.9	12.2	9.5	9.6	16	16.5	12.9	13.3	10.4	10.5	11.5	11.9	9.5	9.6	6.6	6.6
6'	10.3	10.5	8.4	8.7	6.9	7.1	11.9	12.2	10	10.3	8.3	8.4	9.7	10.1	8.2	8.4	5.8	5.9
7'	7.2	7.3	6.1	6.3	5.1	5.3	8.9	9.1	7.6	7.9	6.5	6.6	8	8.2	6.8	7	5	5.1
8'	5.2	5.2	4.5	4.6	3.9	4	6.7	6.8	5.9	6	5.1	5.2	6.4	6.6	5.6	5.8	4.2	4.3
9'	3.8	3.9	3.4	3.5	3	3	5.1	5.2	4.6	4.7	4	4.1	5.2	5.3	4.6	4.7	3.6	3.6
10'	2.9	2.9	2.6	2.7	2.3	2.4	3.9	4	3.6	3.7	3.2	3.3	4.2	4.3	3.8	3.9	3	3.1

NOTE
1. Performance based on typical reflectance values and room dimensions. IES files available at ledrabrands.com

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RGBW DATA

RGB SPECTRAL PLOT

DOMINANT WAVELENGTH	
	SPECIFIED
R	623.4
G	527.8
B	462.6

Normalized Spectral Distribution

COLOR GAMUT PLOT

(x,y) Chromaticity Diagram

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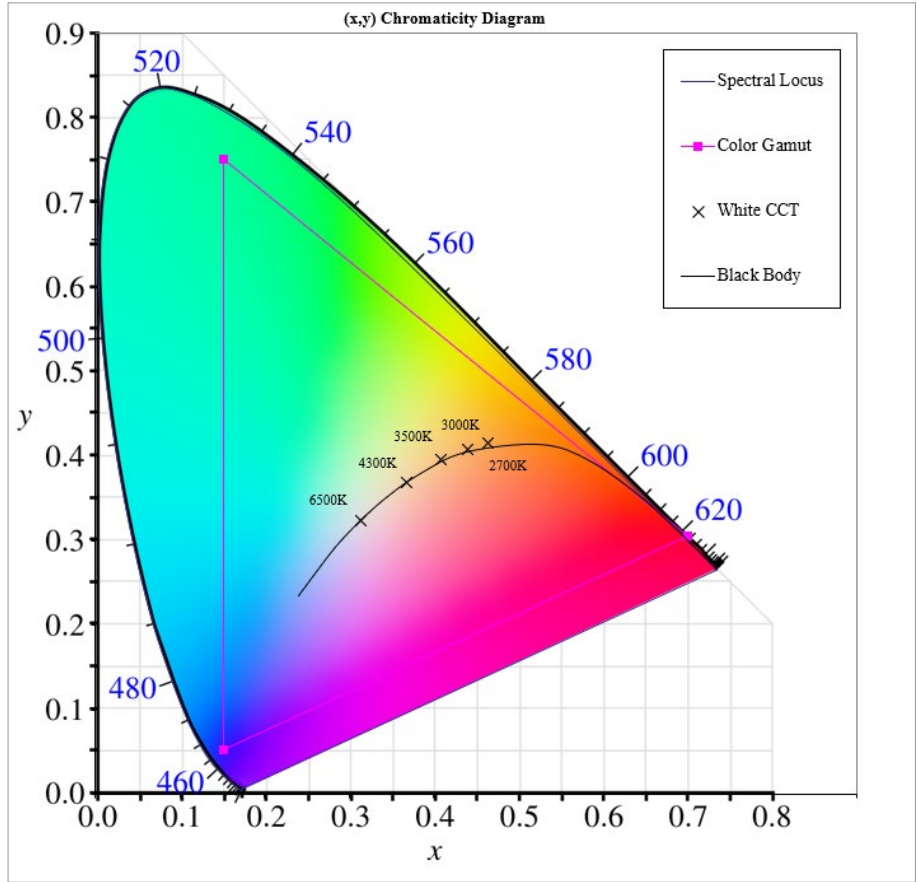
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MOUNTING OPTIONS

FIXTURE HEIGHT
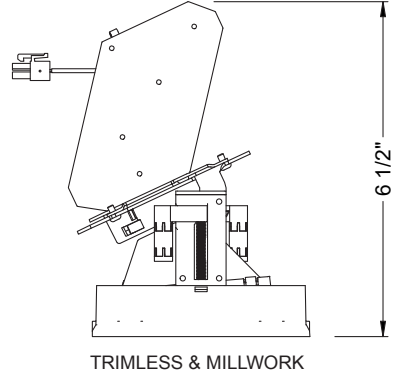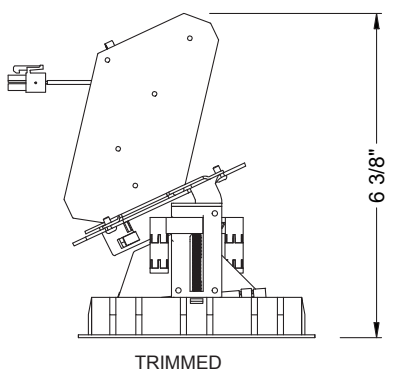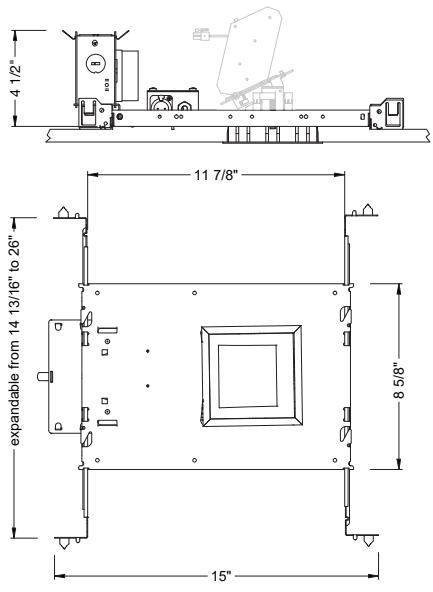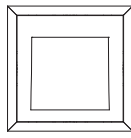
TRIMMED — 6 3/8"

TRIMLESS & MILLWORK — 6 1/2"

NC - NEW CONSTRUCTION

TRIM

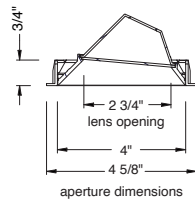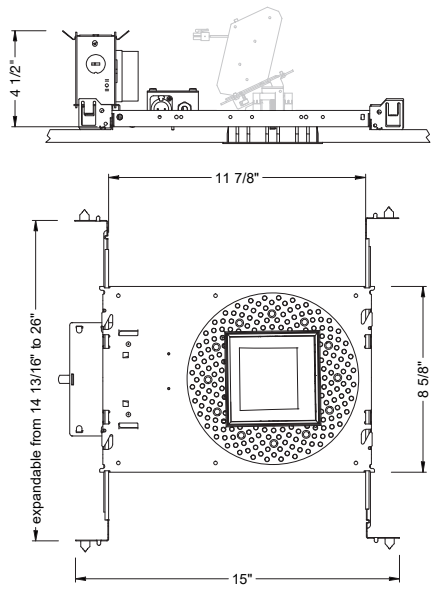4 1/2"

11 7/8"

expandable from 14 13/16" to 26"

8 5/8"

15"

TRIM

ceiling cutout
4-1/4" square

ceiling thickness
1/8" to 1-1/4"

3/4"

2 3/4"
lens opening

4"

4 5/8"

aperture dimensions

TRIMLESS

4 1/2"

11 7/8"

expandable from 14 13/16" to 26"
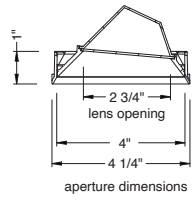
8 5/8"

15"

TRIMLESS

ceiling cutout
4-1/2" square

ceiling thickness
3/8" to 1-3/4"

1"

2 3/4"
lens opening

4"

4 1/4"

aperture dimensions
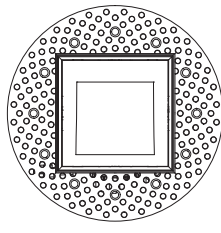
TRIMLESS/MILLWORK

ceiling cutout
4-1/4" square

ceiling thickness
5/8" to 1-3/4"

1"

2 3/4"
lens opening

4"

4 1/4"

aperture dimensions

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w881142233 | **NU4QW-RGBW** | Page 5 of 6
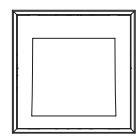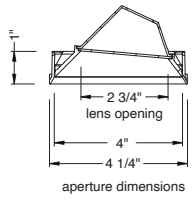
MOUNTING OPTIONS (CONTINUED)

RET - RETRO
TRIM/TRIMLESS

Driver Power Box
DMX Connection Box
8 1/8"
5"
Minimum 7" plenum clearance
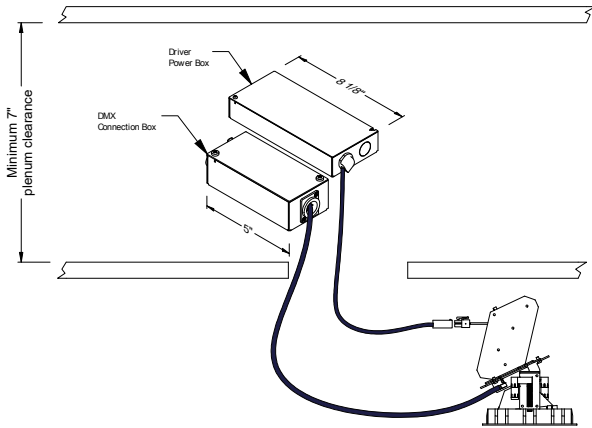
IC - INSULATION CONTACT HOUSING
ICAT - INSULATION CONTACT / AIR TIGHT
CP - CHICAGO PLENUM

LENGTH (2)
HEIGHT
LENGTH (1)
WIDTH
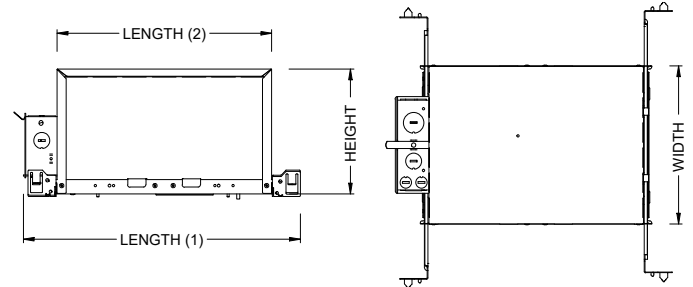
BOX SIZE	L 1	L 2	W	H
A	15 - 7/16"	11 - 3/4"	8 - 1/2"	6 - 3/4"

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	✔	✔	✔	✔	✔

BOX TYPE / LUMEN OUTPUT - WALL WASH (97° X 72°)			
LUMEN OUTPUT	BOX - A		
	CP	IC	ICAT
10LM	✔	✔	✔

CEILING THICKNESS	
FIXTURE TYPE	**MOUNTING TYPE**
	NC, IC, ICAT, CP, RET
	STANDARD CEILING THICKNESS
TRIM	1/8" to 1-1/4"
TRIMLESS	3/8" to 1-3/4"
MILLWORK (TRIMLESS)	5/8" to 1-3/4"

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