alphabet

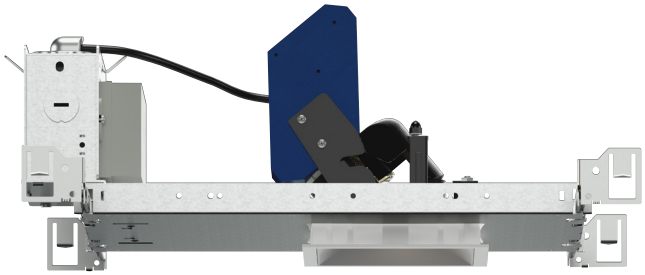
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

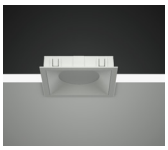
NU4

4" Square Adjustable RGBW

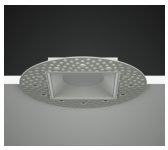
NSF · AT airtight · DF dead-front · PR plenum rated · wet rated

35° - 50° BEAM (Note: Specifications are subject to change without notice)		
22mm COLOR TUNING MODULE PERFORMANCE DATA		
LED LIGHT ENGINE	**NOMINAL DELIVERED LUMENS**	**SYSTEM WATTAGE**
10LM	960LM @30K/90CRI	25W
Notes	Delivered lumens based on 50D optic with no lens, (see page 2)	





Trim



Trimless



Trimless Millwork

FEATURES

- True 40° Tilt with <5% beam disruption (clipping)
- Zero ceiling line obstruction at Full Tilt
- Concentric Tilt Tracking ensures minimal light loss
- 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.
- 360° full rotation
- 35° - 50° optical beam control
- UGR <5
- Multiple mounting and glare control options

DIMMING AND CONTROLS

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

CONSTRUCTION

- Lexan™ (PC) highly resistant to impact and heat (240°F)
- Optimal material for wireless signal connectivity
- Shatter proof acrylic bezel lens
- Electrocoated 16-gauge cold-rolled steel construction
- Accommodates ceiling thickness from Standard 0.3" to 1.0" and Thick Ceiling 1.0" to 2.0"
- Fixture is pre-set and shipped at 20deg tilt

LED

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

LISTING

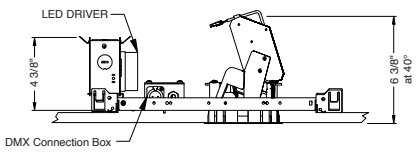
- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- IP65 with lens - Suitable for wet locations with lens - Suitable for damp locations without lens
- Non-conductive, dead-front construction (shower approved)
- NSF/ANSI-2 with lens
- 5 Year Limited warranty

ELECTRICAL

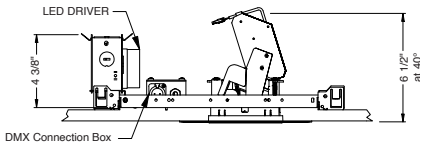
- 120-277VAC 50/60Hz input
- Power factor ≥ 0.9
- Max ambient temperature 35°C
- Battery Backup not offered. Emergency Generator/Inverter/ Controls-Override Device supplied by others.

FIXTURE HEIGHT

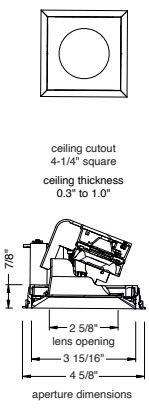
TRIMMED



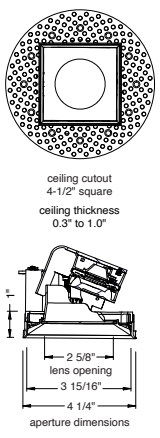
TRIMLESS



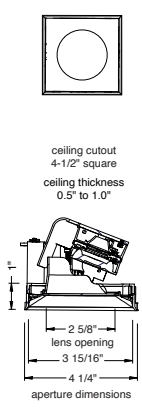
TRIMMED



TRIMLESS



MILLWORK



alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

ORDERING CODE			
SERIES	NU4	NU4	
TYPE	QA	square adjustable	
	QAT	square adjustable trimless	
	QATMW	square adjustable trimless millwork	
LED	RGBW	4 channel color module	
DELIVERED LUMENS	10LM	957 lm	
	Calculated Delivered Lumens = [Delivered Lumen Value] x [Optic Multiplier]		
WHITE 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 3	35D	35 degrees	(0.98)
	40D	40 degrees	(0.93)
	50D	50 degrees	(1.00)
BEZEL LENS SEE PAGE 3	CL	clear lens	(1.00)
	NL[1]	no lens	(1.00)
TRIM COLOR SEE PAGE 3	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 3	BK	black	
	WH	white	
	MC	matte chrome	
	BZ	bronze	
	WT	wheat	

ORDERING CODE		
MOUNTING OPTIONS SEE PAGE 5, 6	NC	new construction with ceiling fitting plate
	IC[2]	insulation contact housing
	ICAT[2]	insulation contact/airtight housing
	CP[2]	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
	DMX-XLR	DMX control dimming to 0.1% with XLR 5pin connection
	DMX-WL	DMX control dimming to 0.1% with wire lead connection
	CAS	Casambi control with flicker free 1% dimming
SPECIAL SEE PAGE 6	TC	thick ceiling application, 1.0" to 2.0"

ADDITIONAL MOUNTING INFO	
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"

YOUR COMPLETED ORDERING CODE
Follow the steps to specify your fixture, example:
NU4-QA-RGBW-10LM-30K-90-50D-CL-BK-BK-NC-UNV-DMX-RJ45-TC

NOTES

1. NL option does not meet requirement for AT/DF/WET/NSF.
2. For servicing DMX cable, access above the ceiling is required.

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

TRIM OPTIONS

TRIM/BEZEL COLORS



WH MC BK BZ WT

OPTICAL OPTIONS

- UGR calculation based on CIE 117-1995; room size: 4H X 8H, reflectance: 70/50/20;
- UGR calculation based on 10LM fixtures, WH Bezel, unless otherwise noted.

CL
Clear Lens



OPTIC	BEAM ANGLE	UGR
35D	36.4	9.8
40D	41.2	10.8
50D	51.6	12.3

NL
No Lens

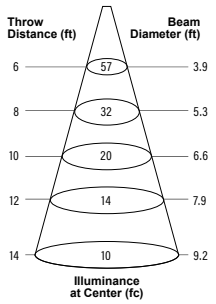


OPTIC	BEAM ANGLE	UGR
35D	36.4	9.8
40D	41.2	10.8
50D	51.6	12.3

PHOTOMETRIC DATA

NU4-QA-RGBW-10LM-30K-90-XXD-NA-NL-WH-WH

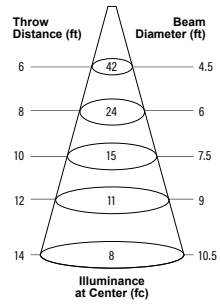
35D
36° NO LENS, WHITE BEZEL



WATTS: 26.5	LPW: 35.1
LUMENS: 930	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	2037
5	1922
15	1308
25	539
35	188
45	29

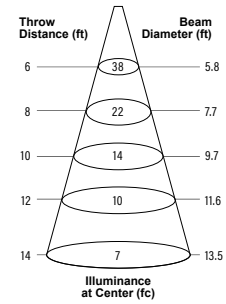
40D
41° NO LENS, WHITE BEZEL



WATTS: 26.5	LPW: 31.8
LUMENS: 843	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	1521
5	1454
15	1034
25	564
35	207
45	28

50D
52° NO LENS, WHITE BEZEL



WATTS: 26.5	LPW: 36.1
LUMENS: 958	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	1380
5	1345
15	1095
25	720
35	284
45	13

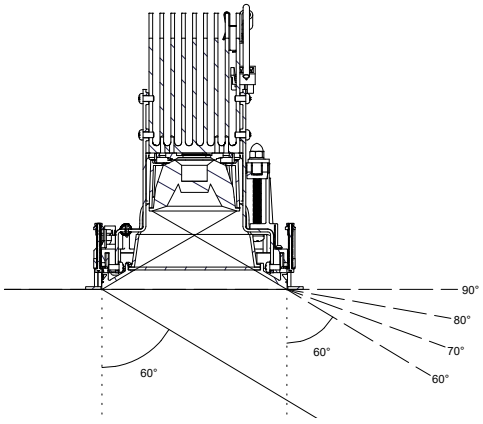
GLARE CONTROL

CUT-OFF ANGLE

Visual comfort is achieved with a lower cut-off angle due to improved glare control. The smaller the cut-off angle, the easier it is on the eye.

Alphabet downlights have been thoughtfully engineered to eliminate glare while still delivering functional illumination.

- Cutoff angle of NL is 45.5 degrees;



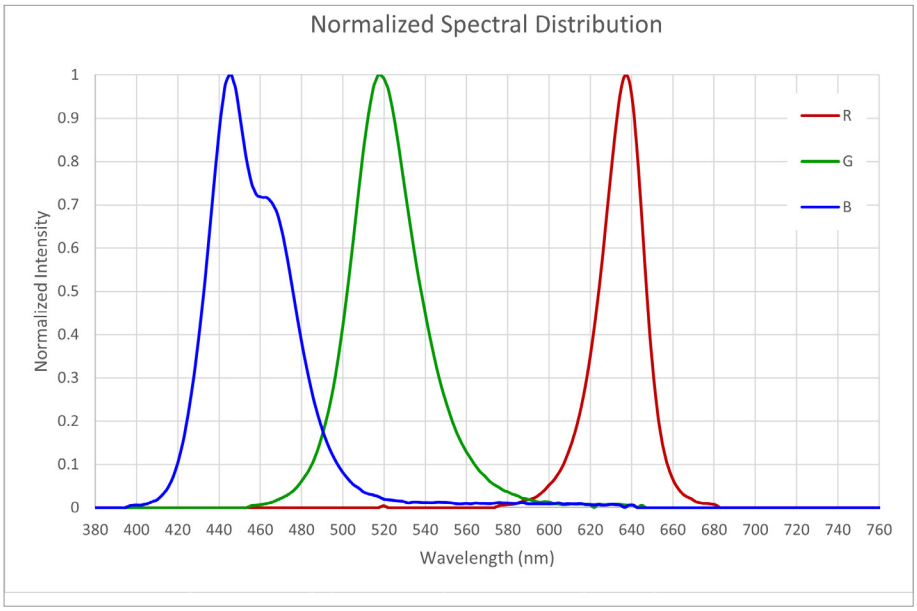
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

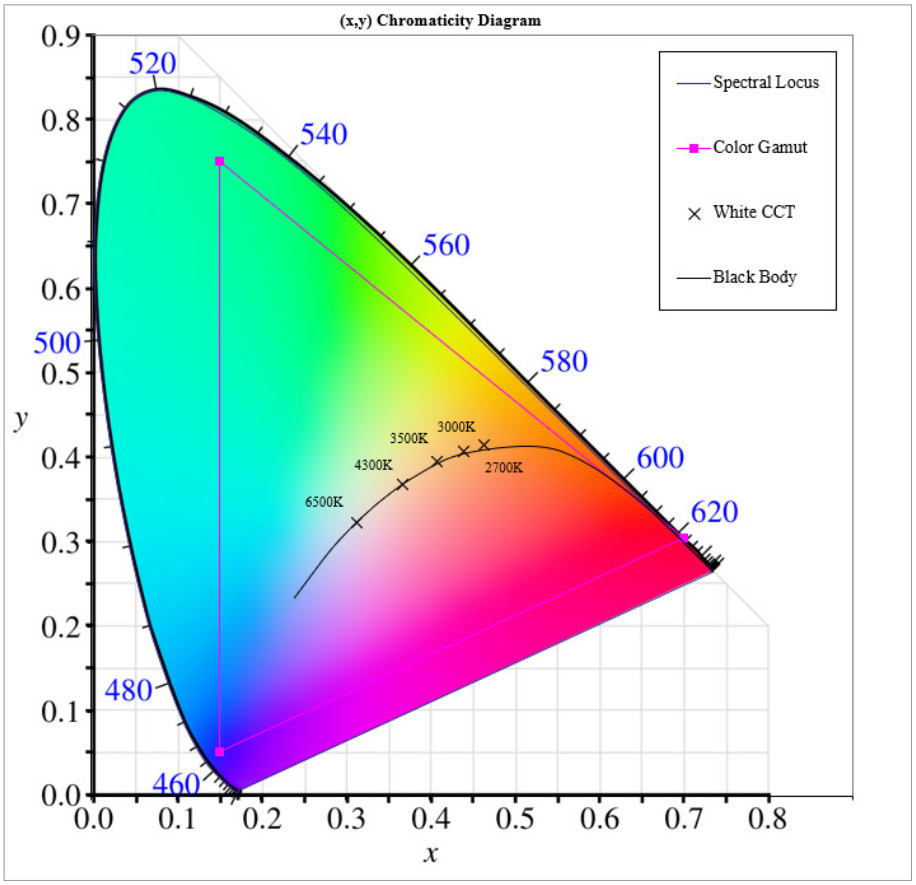
RGBW DATA

DOMINANT WAVELENGTH	
	SPECIFIED
R	623.4
G	527.8
B	462.6

RGB SPECTRAL PLOT



COLOR GAMUT PLOT



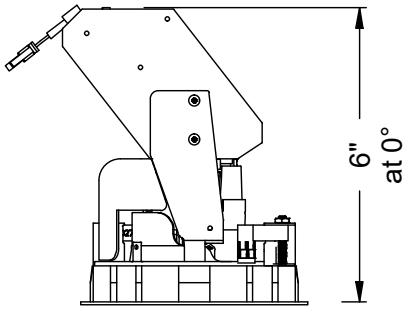
In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product.

alphabet

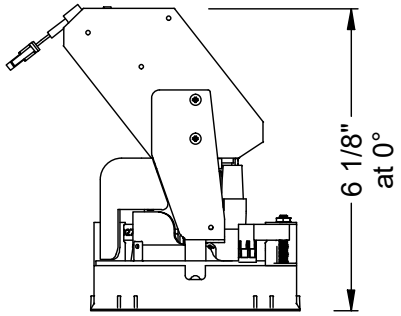
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

FIXTURE HEIGHT



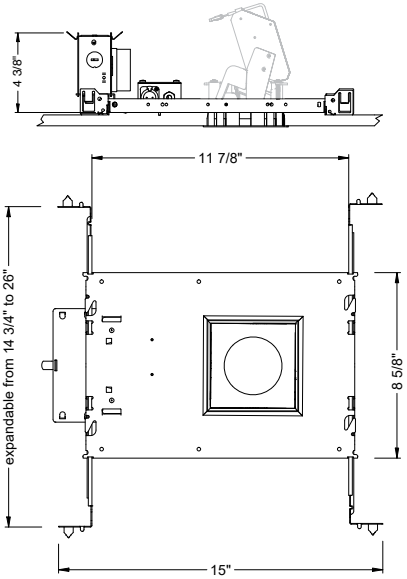
TRIMMED



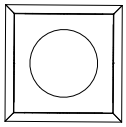
TRIMLESS & MILLWORK

NC - NEW CONSTRUCTION

TRIM

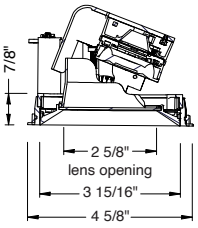


TRIM



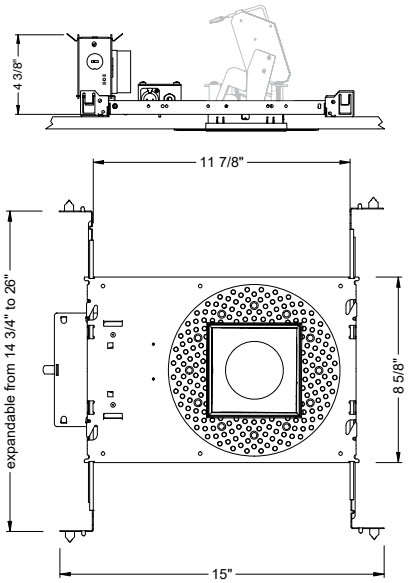
ceiling cutout
4-1/4" square

ceiling thickness
0.3" to 1.0"

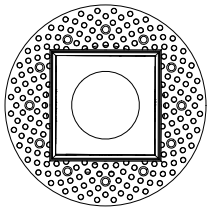


aperture dimensions

TRIMLESS

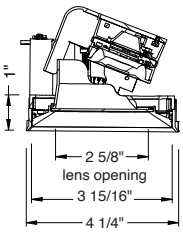


TRIMLESS



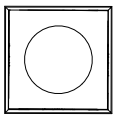
ceiling cutout
4-1/2" square

ceiling thickness
0.3" to 1.0"



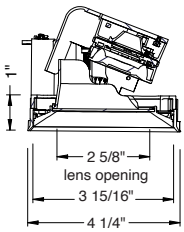
aperture dimensions

TRIMLESS/MILLWORK



ceiling cutout
4-1/2" square

ceiling thickness
0.5" to 1.0"



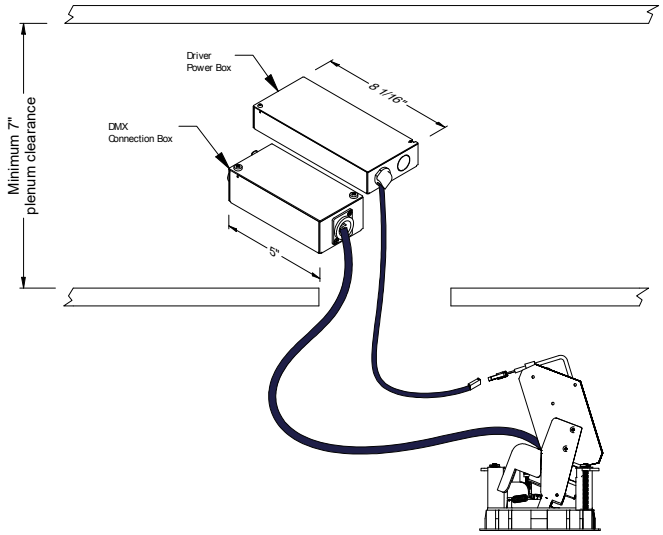
aperture dimensions

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS (CONTINUED)

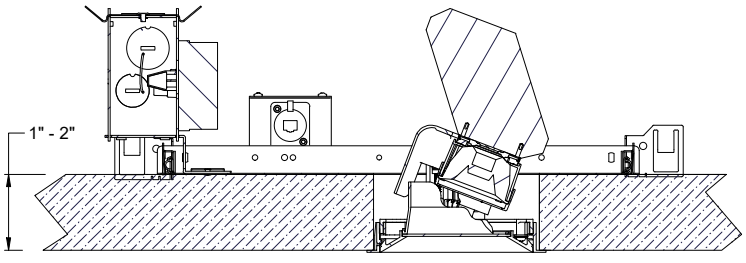
RET - RETRO
TRIM/TRIMLESS



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	✔	✔	✔	✔	✔

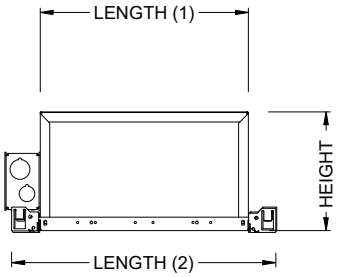
CEILING THICKNESS		
FIXTURE TYPE	MOUNTING TYPE	
	NC, IC, ICAT, CP, RET	NC, IC, ICAT, CP, RET
	STANDARD CEILING THICKNESS	THICK CEILING THICKNESS
TRIM	0.3" to 2.0"	1.0" to 2.0"
TRIMLESS	0.3" to 2.0"	1.0" to 2.0"
MILLWORK (TRIMLESS)	0.5" to 2.0"	1.0" to 2.0"

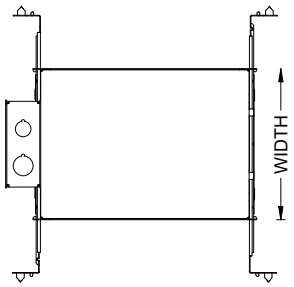
TC - THICK CEILING (1" TO 2") APPLICATION
TRIM/TRIMLESS



THICK CEILING FIXTURE INFO		
TILT	ROTATION	CEILING THICKNESS
0° - 20°	360°	UP TO 2"
20° - 30°	160°	UP TO 2"
30° - 40°	160°	UP TO 1.625"

IC - INSULATION CONTACT HOUSING
ICAT - INSULATION CONTACT / AIR TIGHT
CP - CHICAGO PLENUM





BOX SIZE	L 1	L 2	W	H
A	15 - 7/16"	11 - 3/4"	8 - 1/2"	6 - 3/4"

BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS (35° - 50°)			
LUMEN OUTPUT	BOX - A		
	CP	IC	ICAT
10LM	✔	✔	✔