alphabet

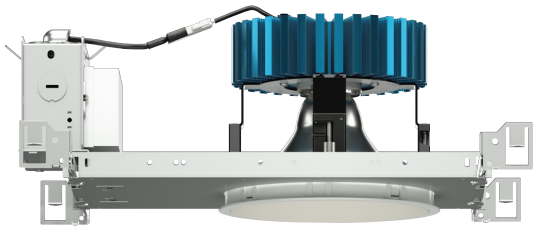
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

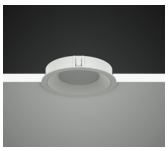
NU6

6" Round Downlight RGBW

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

30° -65° BEAM (Note: Specifications are subject to change without notice)		
14mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	1090LM @30K/90CRI	25W
Notes	Delivered lumens based on HE60 80CRI 3000K (see page 3)	





Trim

FEATURES

- 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.
- 40° - 80° optical beam control
- Multiple mounting, trims and finishes available

DIMMING AND CONTROLS

- Multiple mounting, trims and finishes available
- Wireless network control, profile allows color mixing on Casambi app

CONSTRUCTION

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

LED

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

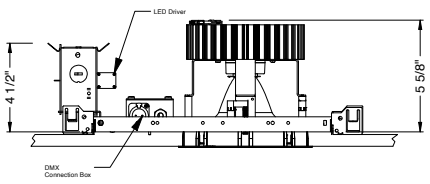
LISTING

- 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 location 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

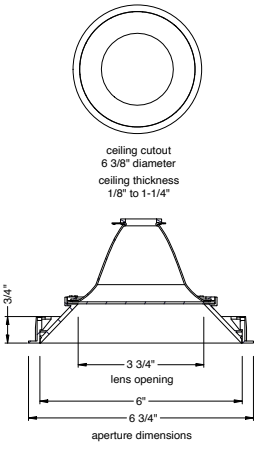
ELECTRICAL

- 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



alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

40°- 75° BEAM ORDERING CODE			
SERIES	NU6	NU6	
TYPE	RD	round downlight	
LED	RGBW	red, green, blue, white	
DELIVERED LUMENS	10LM	760 lm	
	Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Reflector Multiplier]		
CCT	30K	RGBW with white at 3000K	
	27K	RGBW with white at 2700K	
	35K	RGBW with white at 3500K	
	65K	RGBW with white at 6500K	
	43K	RGBW with white at 4300K	
CRI	90	90 CRI	
OPTIC & LM MULTIPLIER SEE PAGE 3	HE40	40° high efficiency diffused lens	
	HE60	60° high efficiency diffused lens	
	HE80	80° high efficiency diffused lens	
	SS40	40° semi-specular with clear lens	
	SS50	50° semi-specular with clear lens	
	SS60	60° semi-specular with clear lens	
	D40	40° diffused with clear lens	
	D60	60° diffused with clear lens	
	WH70	70° brilliant white with clear lens	
TRIM COLOR SEE PAGE 3	BK	black	
	WH	white	
	MC	matte chrome	
	BZ	bronze	
BEZEL COLOR SEE PAGE 3	BK	black	(0.98)
	WH	white	(1.00)
	MC	matte chrome	(0.99)
	BZ	bronze	(0.98)

40°- 75° BEAM ORDERING CODE		
MOUNTING OPTIONS SEE PAGE 6, 7	NC	new construction plate
	IC[1]	insulation contact housing
	ICAT[1]	insulation contact/airtight housing
	CP[1]	chicago plenum housing
	RET	retrofit, no ceiling plate
VOLTAGE	UNV	120V-277V
DIMMING	DMX-RJ45	DMX control dimming to 0.1% with RJ45 connection
	DMX-WL	DMX-512/RDM dim to 0% with lead wire input
	DMX-XLR	DMX-512/RDM dim to 0% with XLR input
	CAS	Casambi control with flicker free 1% dimming

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:
NU6 - RD - RGBW - 10LM - 35K - 90 - SS40 - WH - WH - NC - UNV - DMX-WL

NOTES

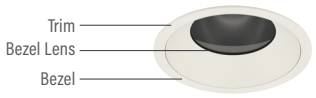
1. For servicing DMX cable, access above the ceiling is required.

alphabet

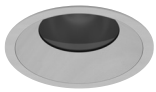
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

TRIM OPTIONS

TRIM/BEZEL COLORS



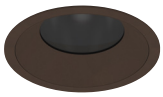
WH



MC



BK



BZ

OPTICAL OPTIONS

- UGR calculation based on CIE 117-1995; room size: 4H X 8H, reflectance: 70/50/20;
- UGR calculation based on 15LM fixtures.

NL
No Lens



OPTIC	BEAM ANGLE	UGR
SS40	41.1	12.4
SS50	46	13.7
SS60	58.3	14.4
D40	38.6	13
D60	62.6	15.6
WH70	73.6	18.5

DL
Diffused Lens



OPTIC	BEAM ANGLE	UGR
HE40	44.2	16.4
HE60	63.9	18.6
HE80	79	20.5

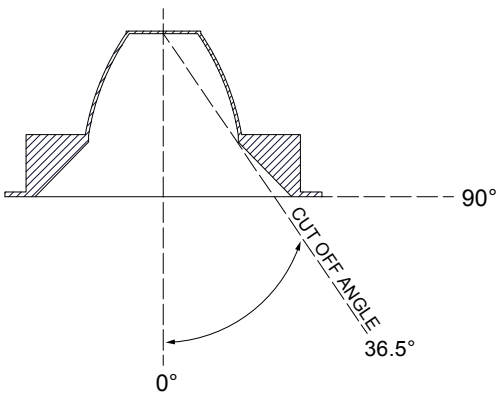
GLARE CONTROL

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 and DL is 36.5 degrees;



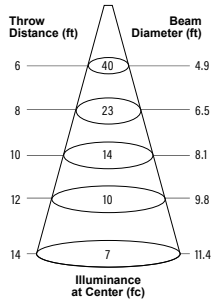
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alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA

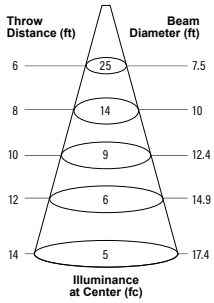
HE40
44° HIGH EFFICIENCY DIFFUSED LENS



WATTS: 24.1	LPW: 44.9
LUMENS: 1082	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	1448
5	1395
15	1040
25	613
35	320
45	151

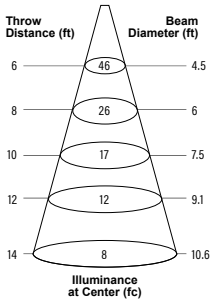
HE60
64° HIGH EFFICIENCY DIFFUSED LENS



WATTS: 24.1	LPW: 45.1
LUMENS: 1088	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	909
5	895
15	785
25	599
35	391
45	212

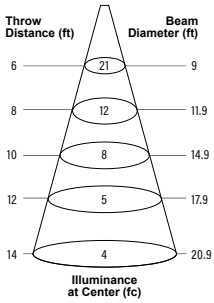
SS40
41° SEMI-SPECULAR WITH CLEAR LENS



WATTS: 24.1	LPW: 39.9
LUMENS: 961	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	1665
5	1597
15	1123
25	658
35	247
45	29

WH70
73° BRILLIANT WHITE WITH CLEAR LENS



WATTS: 24.1	LPW: 42.7
LUMENS: 1028	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	750
5	745
15	703
25	624
35	427
45	150

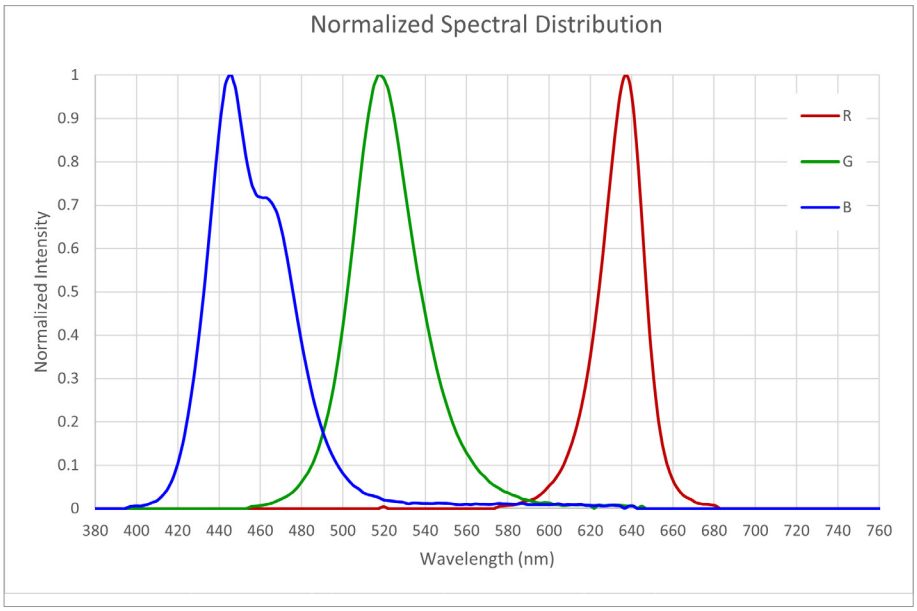
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

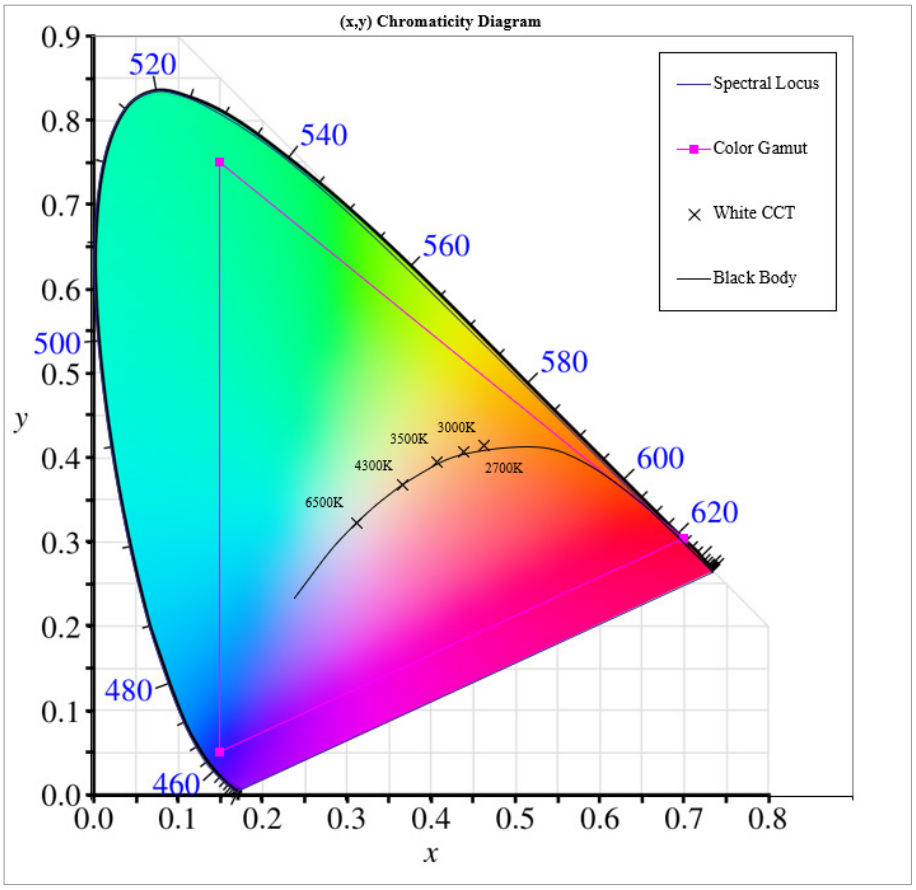
RGBW DATA

DOMINANT WAVELENGTH	
	MEASURED
R	623.9
G	524.2
B	461.9

RGB SPECTRAL PLOT



COLOR GAMUT PLOT

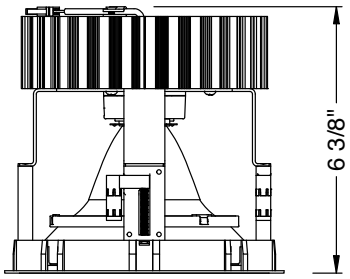


alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

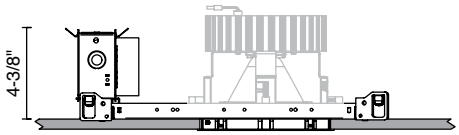
FIXTURE HEIGHT

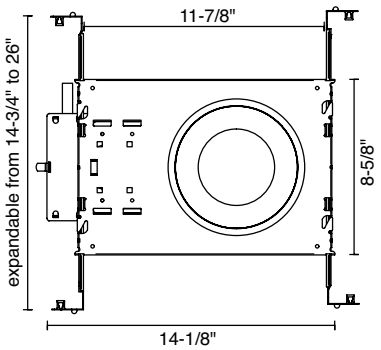


TRIMMED

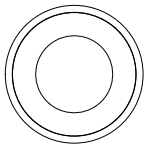
NC - NEW CONSTRUCTION

TRIM

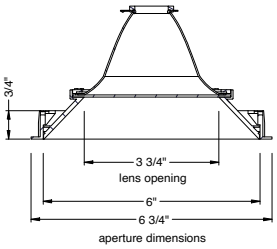




TRIMMED (STANDARD)



ceiling cutout
6 3/8" diameter
ceiling thickness
1/8" to 1-1/4"



aperture dimensions

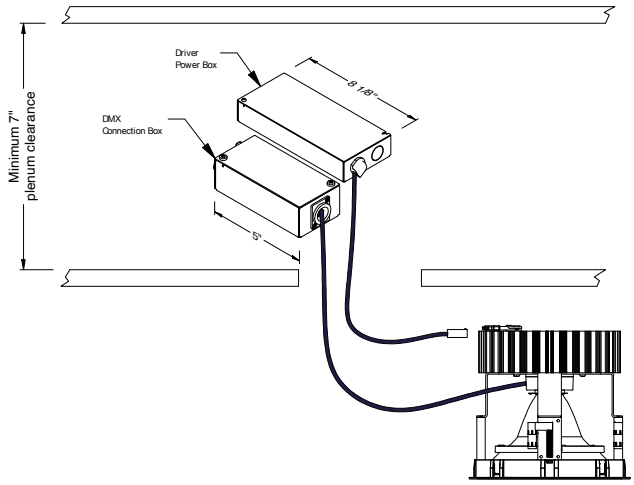
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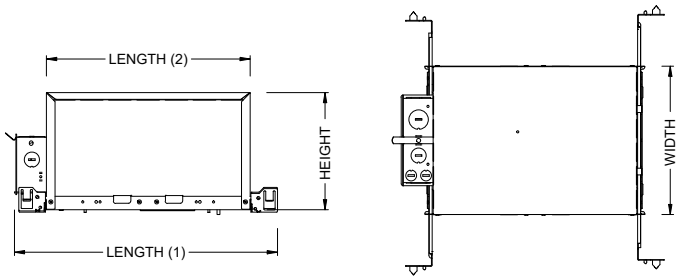
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS (CONTINUED)

RET - RETRO
TRIM/TRIMLESS



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



BOX SIZE	L 1	L 2	W	H
A	18 - 1/4"	14 - 7/8"	12 - 1/8"	8 - 1/2"

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
	STANDARD CEILING THICKNESS
TRIM	1/8" to 1-1/4"

BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS (40° - 75°)			
LUMEN OUTPUT	BOX - A		
	CP	IC	ICAT
10LM	✔	✔	✔