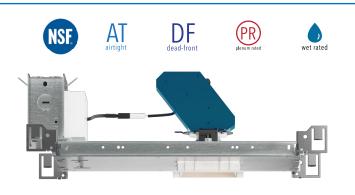
### NU3

### **3" Square Downlight Tunable White**







Trimless

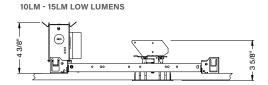
#### **FEATURES**

- 3/4" bezel regress with 1/16" micro flange
- 65° 80° optical beam control
- UGR < 22
- Up to 96 LPW
- Glare control, specialty optics, trim options, and custom finishes available
- Microban antimicrobial finish available on all exposed painted surfaces

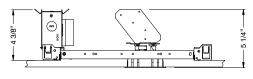
#### LED

- Luminus tunable white COB: 95 CRI, R9 > 70: SDCM = 4-step MacAdam Ellipse; Lumen Maintenance: L<sub>70</sub> > 54,000 hrs
- Nichia tunable white COB: 80 CRI, R9 > 0: SDCM = 3-step MacAdam Ellipse; Lumen Maintenance: L<sub>90</sub> > 33,000 hrs

### **FIXTURE HEIGHT**



20LM - 25LM HIGH LUMENS



PROJECT INFORMATION JOB NAME TYPE ORDERING CODE

65° - 80° BEAM (Note: Specifications are subject to change without notice)					
14mm LUN	IINUS COB PERFORMANC	CE DATA			
LED LIGHT NOMINAL DELIVERED SYSTEM ENGINE LUMENS WATTAGE					
10LM	1040LM @30K/95CRI	15W			
15LM	1280LM @30K/95CRI	19W			
20LM	1600LM @30K/95CRI	25W			
Notes Delivered lumens based on WH75 optic with clear lens, (see page 2)					

65° - 80° BEAM (Note: Specifications are subject to change without notice)					
14mm NI	CHIA COB PERFORMANCE	DATA			
LED LIGHT NOMINAL DELIVERED SYSTEM ENGINE LUMENS WATTAGE					
15LM	1440LM @30K/80CRI	15W			
20LM	1760LM @30K/80CRI	19W			
25LM	2250LM @30K/80CRI	24W			
Delivered lumens based on           Notes         WH75 optic with clear lens, (see page 2)					

#### CLUMINUS XNICHIA eldoLED See Page 2 See Page 3 **CAS** MBI nLight

**DIMMING AND CONTROLS** 

Trimless Millwork

- eldoLED flicker free 0-10V dimming to 0%
- eldoLED flicker free DALI dimming to 0%
- Casambi bluetooth dimming to 0%
- NLight control interface dimming to 0%

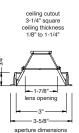
### LISTING

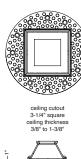
In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product.

- 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 (Non-Food and Splash Zones)
- 5 Year Limited warranty

### TRIMMED







TRIMLESS



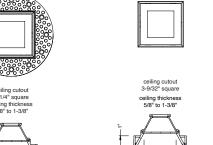
CONSTRUCTION

- Lexan<sup>™</sup> (PC) highly resistant to impact and heat (240°F)
- Optimal material for wireless BLE signal connectivity
- Shatter proof acrylic bezel lens
- Electrocoated 16-gauge cold-rolled steel construction
- Accommodates ceiling thickness from 1/8" to 1-3/8"
- For servicing the driver/j-box, access above ceiling is required

### ELECTRICAL

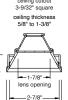
- = 120V-277V, 120 only Triac / ELV
- Power factory  $\geq 0.9$
- 2kV driver input surge protection
- Max. ambient installation temperature 95°F (35°C)

NU3QD-TW Page 1 of 9 v.1.4.24









3-1/4

aperture dimensions

65°- 80° BEAM ORDERING CODE									
SERIES	NU3	NU3	NU3						
	QD	square down	light						
TYPE	QDT	square down	light t	rimless	6				
	QDTMW	square down	light t	rimless	s millw	ork			
LED	TW	tunable whit	e (Lum	inus)					
	10LM	1040 lm	1040 lm						
	15LM	1280 lm							
DELIVERED LUMENS	20LM	1600 lm							
LOWENS		nfiguration: 3500				1 500			
	Calculated L Multiplier]	Delivered Lumens	= [Deliv	ered Lur	nen Valu	ie] x [CC	l Multipl	ier] x [Re	flector
	2765	2700K to 650	0K tur	able w	hite				
		CCT	2700K	3000K	3500K	4000K	5000K	5700K	6500K
		CCT MULTIPLIER FOR LUMEN OUTPUT	0.91	0.98	1.00	0.99	1.01	1.01	1.02
		EML RATIO	0.49	0.57	0.68	0.79	0.96	1.04	1.12
ССТ	1840	1800K to 400	0K tun	able w	hite				
		CCT	1800K	2000K	2400K	2700K	3000K	3500K	4000K
		CCT MULTIPLIER FOR LUMEN OUTPUT	0.67	0.74	0.8	0.85	0.88	0.95	1.01
		EML RATIO	0.21	0.33	0.46	0.53	0.59	0.67	0.73
				I		I	I	I	
CRI	95	95 typical, 90	) minir	num					
OPTIC &	HE65	65° high effic	55° high efficiency diffused lens (1.00)			(1.00)			
LM MULTIPLIER	HE80	80° high effic	ciency	diffuse	d lens				(0.95)
SEE PAGE 5	WH75	75° brilliant white with clear lens (0.99)							
BEZEL LENS	NL <sup>1,2</sup>	no lens (1.00)							
SEE PAGE 4	BK	block	black						
	WH								
	MC	white matte chrome							
TRIM	BZ	bronze	C						
COLOR SEE PAGE 4	WT	wheat							
		custom color	CODE	ult fact	ory for	, dotail	c.		
		I finish, add AM to							
		le to trimless optic						le.	
	BK	black						(	0.98)
	WH	white						(	1.00)
BEZEL	МС	matte chrom	е					(	0.99)
COLOR	BZ	bronze						(	0.98)
SEE PAGE 4	WT	wheat						(	0.99)
<b>CC</b> <sup>3</sup> custom color, consult factory for details									
	Antimicrobia	l finish, add AM to	black, v	/hite or r	natte ch	rome i.e.	BKAM.		

PROJECT INFORMATION				
JOB NAME		ТҮРЕ		
ORDERING CODE				

65°- 80° BEAM ORDERING CODE					
MOUNTING NC OPTIONS RET		new construction with ceiling fitting plate			
		retrofit, no ceiling fitting plate			
SEE PAGE 7, 8	For servicing	the driver/j-box access above ceiling is required.			
VOLTAGE 120		120V			
U	UNV	120V-277V			
	DIM10Z <sup>4</sup>	eldoLED flicker free 0-10V dimming to 0%			
DALIZ		eldoLED flicker free DALI dimming to 0%			
DIMMING	NLT	nLight control interface: standard Cat-5/RJ45 connection (female), dimming to 0%			
	CASZ	Casambi Bluetooth dim to zero			

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

#### YOUR COMPLETED ORDERING CODE

Follow the steps to specify your fixture, example:

NU3 - QD - TW - 20LM - 2765 - 95 - WH75 - WH - WH - NC - UNV - DIM10Z

.99) NOTES

1. NL available for WH75.

2. NL option does not meet requirement for AT/DF/WET/NSF listings.

3. Custom set up fee plus minimum quantity required per color.

4. Requires 2 wall controllers (see wiring diagram).

\*EML = equivalent melanopic lux. To calculate EML, multiply the measured photopic lux by the EML Ratio for the given CCT. Example: 254 lux x 0.79 = 200 melanopic lux at 4000K.

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NICHIA TUNABLE WHITE - ORDERING CODE							
SERIES	NU3	NU3	NU3				
	QD	square d	ownlight				
TYPE	QDT	square d	ownlight	trimless			
	QDTMW	square d	ownlight	trimless m	nillwork		
LED	TW	tunable v	white (Nic	hia)			
	15LM	1440 lm					
	20LM	1760 lm					
DELIVERED LUMENS	25LM	2250 lm					
LUWIENS		onfiguration:					
	Calculated E Multiplier]	elivered Lur	nens = [Deli	vered Lumen	i Value] x [CC	T Multiplier] :	x [Reflector
	2750	2700K to	5000K tu	nable whit	te	1	
ССТ		CCT	2700K	3000K	3500K	4000K	5000K
		EML RATIO	0.67	0.74	0.8	0.85	0.88
CRI	80	80 CRI					
OPTIC &	HE65	65° high efficiency diffused lens				(1.00)	
LM MULTIPLIER	HE80	80° high efficiency diffused lens				(0.95)	
SEE PAGE 5	WH75	75° brilliant white with clear lens				(0.99)	
BEZEL LENS SEE PAGE 4	NL <sup>1,2</sup>	no lens					
	WH	white					
7011	MC	matte ch	rome				
TRIM COLOR	BZ	bronze					
SEE PAGE 4	WT	wheat					
	CC <sup>3</sup>	custom o	color, cons	ult factor	y for detai	ls	
	Antimicrobia						
		le to trimless	option. Do n	ot include in	trimless ord	ering code.	(0.00)
	BK	black					(0.98)
	WH	white					(1.00)
BEZEL	МС	matte ch	rome				(0.99)
COLOR SEE PAGE 4	BZ	bronze					(0.98)
	WT	wheat					(0.99)
					y for detai		
	Antimicrobia	l finish, add A	AM to black, V	white or mat	te chrome i.e	. BKAM.	

PROJECT INFORMATION					
JOB NAME		ТҮРЕ			
ORDERING CODE					

	NICHIA TUNABLE WHITE - ORDERING CODE					
MOUNTING	NC	new construction with ceiling fitting plate				
OPTIONS SEE PAGE 7, 8		retrofit, no ceiling fitting plate				
VOLTAGE	120	120V				
UNV		120V-277V				
	DIM10Z <sup>4</sup>	eldoLED flicker free 0-10V dimming to 0%				
	DALIZ	eldoLED flicker free DALI dimming to 0%				
DIMMING	NLT	nLight control interface: standard Cat-5/RJ45 connection (female), dimming to 0%				
	CASZ	Casambi Bluetooth dim to zero				

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

### YOUR COMPLETED ORDERING CODE

Follow the steps to specify your fixture, example:

NU3 - QD - TW - 15LM - 2750 - 80 - WH75 - WH - WH - NC - UNV - DIM10Z

#### NOTES

1. NL available for WH75.

2. NL option does not meet requirement for AT/DF/WET/NSF listings.

3. Custom set up fee plus minimum quantity required per color.

4. Requires 2 wall controllers (see wiring diagram).

\*EML = equivalent melanopic lux. To calculate EML, multiply the measured photopic lux by the EML ratio for the given CCT. Example: 290 lux x 0.69 = 200 melanopic lux at 4000K.

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PROJECT INFORMATION				
JOB NAME		ТҮРЕ		
ORDERING CODE				

### **TRIM OPTIONS**

### **TRIM/BEZEL COLORS**



### **OPTICAL OPTIONS**

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

• UGR calculation based on 15LM fixtures, unless otherwise noted.

### LUMINUS



	Diffu	DL used l	ens	
	7			

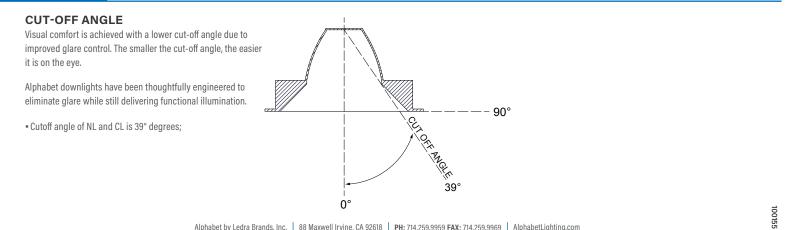
OPTIC	BEAM ANGLE	UGR
HE65	64	22.8
HE80	79	24.9

### NICHIA



OPTIC	BEAM ANGLE	UGR
HE65	64	23.5
HE80	83	25.6

### **GLARE CONTROL**

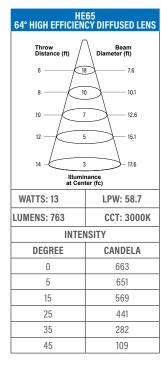


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PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

### PHOTOMETRIC DATA LUMINUS

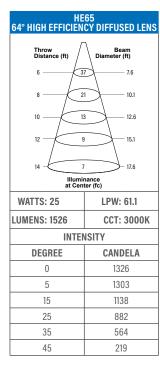
<sup>10</sup>LM



HE80 79° HIGH EFFICIENCY DIFFUSED LENS		
Throw Distance (ft)	Beam Diameter (ft)	
6	2 10.4	
8	13.8	
10	17.3	
12 - 3	20.7	
14 - 2	2 24.2	
	nance ter (fc)	
WATTS: 13	LPW: 57.3	
LUMENS: 745	CCT: 3000K	
INTE	NSITY	
DEGREE	CANDELA	
0	431	
5	428	
15	408	
25	367	
35	291	
45	159	

WH75 74° BRILLIANT WHITE WITH CLEAR LENS		
Throw Distance (ft)	Beam Diameter (ft)	
6	3 9.7	
8	7 12.9	
10	5 16.2	
12 19.4		
14 2 22.7		
	nance iter (fc)	
WATTS: 13	LPW: 61.6	
LUMENS: 800	CCT: 3000K	
INTE	NSITY	
DEGREE	CANDELA	
0	476	
5	476	
15	466	
25	437	
35	351	
45	135	

20LM



HE80 79° HIGH EFFICIENCY DIFFUSED LENS		
79° HIGH EFFICIEN	CY DIFFUSED LENS	
Throw Beam Distance (ft)		
6	4 10.4	
8	3 13.8	
10	17.3	
12 6	20.7	
14 - 4 - 24.2		
Illumi at Cen		
WATTS: 25	LPW: 59.6	
LUMENS: 1491	CCT: 3000K	
INTE	NSITY	
DEGREE	CANDELA	
0	861	
5	857	
15	817	
25	735	
35	582	
45	318	

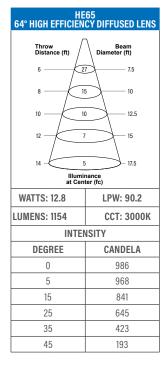
WH75 74° BRILLIANT WHITE WITH CLEAR LENS		
Throw Distance (ft)	Beam Diameter (ft)	
6	6 9.7	
8 - 1	5 12.9	
101	0 16.2	
12	19.4	
14 5	22.7	
Illumi at Cen	nance ter (fc)	
26 9.7	LPW:	
15 12.9	CCT: 3000K	
INTE	NSITY	
DEGREE	CANDELA	
0	953	
5	952	
15	931	
25	875	
35	702	
45	270	

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PROJECT INFORMATION			
JOB NAME		ТҮРЕ	
ORDERING CODE	RDERING CODE		

### PHOTOMETRIC DATA NICHIA

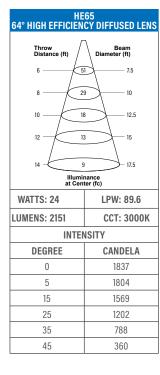
<sup>15</sup>LM



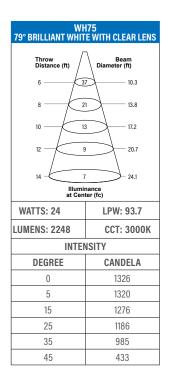
HE80 83° HIGH EFFICIENCY DIFFUSED LENS		
Throw Distance (ft)	Beam Diameter (ft)	
6	18 10.6	
8	10 14.1	
10	7 17.7	
12	5 21.2	
14 -	3 24.7	
	inance nter (fc)	
WATTS: 12.8	LPW: 89.7	
LUMENS: 1148	CCT: 3000K	
INTE	NSITY	
DEGREE	CANDELA	
0	657	
5	653	
15	620	
25	553	
35	441	
45	260	

WH75 79° BRILLIANT WHITE WITH CLEAR LENS		
Throw Beam Distance (ft) Diameter (ft)		
6	0 10.3	
8	1 13.8	
10	17.2	
12 5 20.7		
14 4 24.1		
	nance ter (fc)	
WATTS: 12.8	LPW: 94.2	
LUMENS: 1206	CCT: 3000K	
INTE	NSITY	
DEGREE	CANDELA	
0	711	
5	708	
15	684	
25	636	
35	529	
45	232	

30LM



HE 83° HIGH EEEICIEN	80 CY DIFFUSED LENS	
Throw Distance (ft) Beam		
6	4 10.6	
8	14.1	
101	2 17.7	
12 8	21.2	
14624.7		
Illumin at Cen		
WATTS: 24	LPW: 89.1	
LUMENS: 2139	CCT: 3000K	
INTER	ISITY	
DEGREE	CANDELA	
0	1224	
5	1216	
15	1155	
25	1031	
35	822	
45	485	



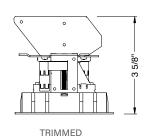
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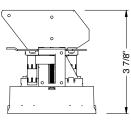
PROJECT INFORMATION				
JOB NAME		ТҮРЕ		
ORDERING CODE				

### **MOUNTING OPTIONS**

### **FIXTURE HEIGHT**

**10LM - 20LM CONFIGURATION** 

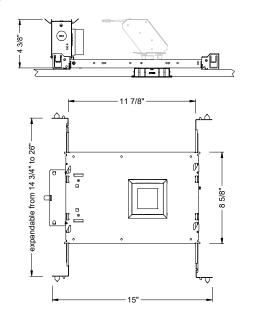




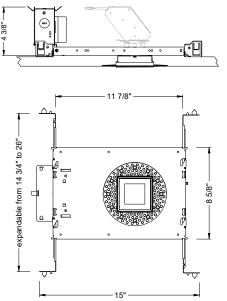
TRIMLESS & MILLWORK

### **NC - NEW CONSTRUCTION**

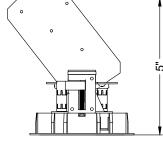
### TRIM

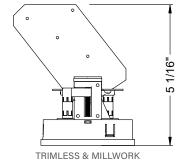


### TRIMLESS



25LM CONFIGURATION



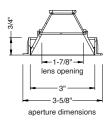


TRIMMED

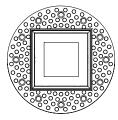
TRIMINE

TRIM

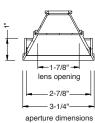
ceiling cutout 3-1/4" square ceiling thickness 1/8" to 1-1/4"



TRIMLESS



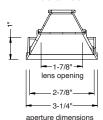
ceiling cutout 3-1/4" square ceiling thickness 3/8" to 1-3/8"



TRIMLESS/MILLWORK



ceiling cutout 3-9/32" square ceiling thickness 5/8" to 1-3/8"



100155

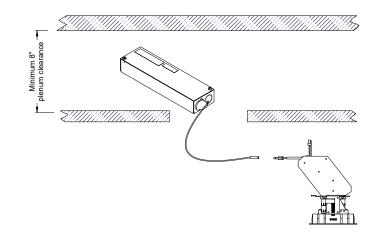
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### **MOUNTING OPTIONS**

### RET - RETRO TRIM/TRIMLESS



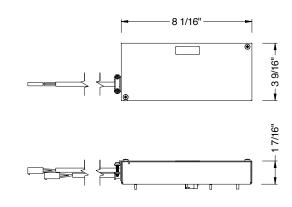
RATINGS / CERTIFICATIONS	NC	RET
TYPE NON-IC	v	v
TYPE IC		
CHICAGO PLENUM (CCEA)		
SUITABLE FOR AIR HANDLING PLENUMS		
REDUCED AIRFLOW (WITH LENS) ASTM E283	v	v

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

PROJECT INFORMATION					
JOB NAME		ТҮРЕ			
ORDERING CODE					

### **NC - DRIVER BOX SIZE**

TRIM/TRIMLESS

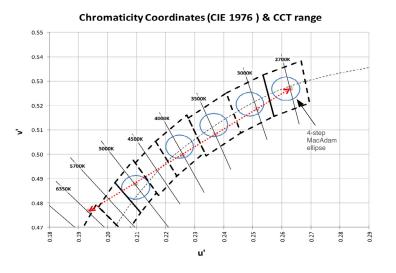


### NOTE:

For servicing the driver/j-box, access above ceiling is required. T-Bar type ceilings with removable adjacent tile access recommended. Hard lid ceilings may require access doors directly adjacent to luminaire.

IAB		
ΝАВ	VV F	

### LUMINUS 95CRI



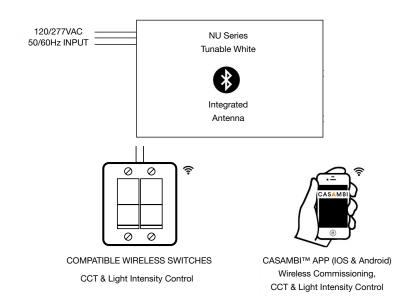
 PROJECT INFORMATION

 JOB NAME
 TYPE

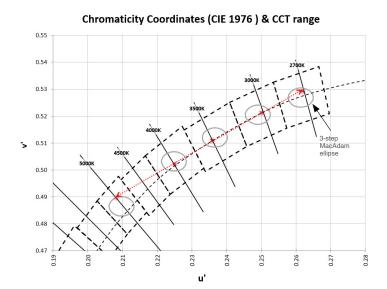
 ORDERING CODE

### WIRING DIAGRAMS

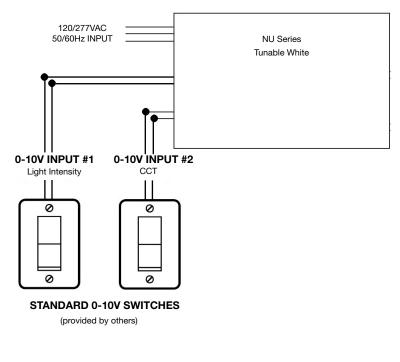
#### "CAS" CASAMBI CONTROLS



#### NICHIA 80CRI



### "DIM10Z" HARDWIRED 0-10V CONTROL



#### NOTES

1 Consult factory to order compatible wireless switches.