### NU4

### **4" Round Adjustable Tamper Resistant Standard White**





PROJECT INFORMATION					
JOB NAME		ТҮРЕ			
ORDERING CODE					

20° - 55° BEAM (Note: Specifications are subject to change without notice)					
9mm COB PERFORMANCE DATA					
LED LIGHT Engine	NOMINAL DELIVERED Lumens	SYSTEM WATTAGE			
10LM	790LM @30K/80CRI	9W			
15LM	1150LM @30K/80CRI	13W			
20LM	1500LM @30K/80CRI	17W			
25LM	1810LM @30K/80CRI	22W			
30LM	2160LM @30K/80CRI	27W			
35LM	2550LM @30K/80CRI	34W			
40LM	2850LM @30K/80CRI	40W			
10LM	660LM @30K/90CRI	9W			
15LM	970LM @30K/90CRI	13W			
20LM	1270LM @30K/90CRI	17W			
25LM	1540LM @30K/90CRI	22W			
30LM	1830LM @30K/90CRI	27W			
35LM	2170LM @30K/90CRI	34W			
40LM	2440LM @30K/90CRI	40W			
Notes Delivered lumens based on 35D optic with no lens, (see page 2)					

15° BEAM (Note: Specifications are subject to change without notice)					
nm COB PERFORMANCE D	ATA				
ED LIGHT NOMINAL DELIVERED SYSTEM					
780LM @30K/80CRI	11W				
1070LM @30K/80CRI	19W				
1400LM @30K/80CRI	31W				
650LM @30K/90CRI	11W				
920LM @30K/90CRI	19W				
1170LM @30K/90CRI	31W				
Notes Delivered lumens based on 15D optic with no lens, (see page 2)					
	fications are subject to change w Im COB PERFORMANCE D NOMINAL DELIVERED LUMENS 780LM @30K/80CRI 1070LM @30K/80CRI 1400LM @30K/80CRI 650LM @30K/90CRI 920LM @30K/90CRI 1170LM @30K/90CRI Delivered lumens base				

(Note: Speci	9.5° BEAM (Note: Specifications are subject to change without notice)					
4.5	mm COB PERFORMANCE	DATA				
LED LIGHT Engine	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE				
10LM	630LM @30K/80CRI	17.5W				
10LM	530LM @30K/90CRI	17.5W				
Notes	Delivered lumens base optic with SBL lens, (se					

### **FEATURES**

- Designed to meet NYS-OMH rigorous requirements
- Spun aluminum frame with stainless steel tamper resistant screws
- Polycarbonate (3mm) shatter proof lensing
- Optical beam control 9.5° to 55°
- UGR <5
- Microban<sup>®</sup> antimicrobial finish available on all exposed painted surfaces

### LED

- 90 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L<sub>70</sub> > 66,000 hrs
- 80 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L<sub>70</sub> > 66,000 hrs

### **DIMMING AND CONTROLS**

- eldoLED flicker free 0-10V dimming to 0% and 1%
- eldoLED flicker free DALI dimming to 0% and 1%
- DMX dim to zero
- Lutron Hi-lumen 2-Wire (Eco System) dimming to 0.1% and 1%
- Leading & trailing edge (Triac/ELV) dimming to 1%
- Casambi bluetooth dimming to 1.0%
- 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
- Non-conductive, dead-front construction (shower approved)
- NSF/ANSI-2 with lens (Non-Food and Splash Zones)
- NYSOMH New York State Office of Mental Health compliant • 5 Year Limited warranty

TAMPER RESISTANT

### CONSTRUCTION

CASAMB

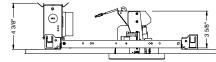
- Aluminum 6061 lensing frame
- 18-8 stainless steel tamper resistant screws
- Shatter resistant Polycarbonate (PC) lensing
- Electrocoated 16-gauge cold rolled steel construction
- Accommodates ceiling thickness from 3/8" to 1"

### ELECTRICAL

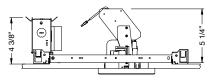
- 120V-277V, 120 only Triac / ELV
- Power factory  $\geq 0.9$
- 2kV driver input surge protection
- Remote emergency test switch
- 7W, 10W (T20 CEC) and 12W EM 90min battery
- Max. ambient installation temperature 95°F (35°C)

### **FIXTURE HEIGHT**









101091



LIGHT MICROBAN

eldoLED

	<b>9</b> °·	- 55° BEA	M ORDERING (	COD	E						
SERIES	NU4										
ТҮРЕ	RATR	round adjustable tamper resistant									
LED	SW	standard white									
	10LM	790 lm									
	15LM	1150 lm									
	20LM	1500 lm									
	25LM	1810 lm									
DELIVERED	30LM	2160 lm	2160 lm								
LUMENS	35LM	2550 lm	2550 lm								
	40LM	2850 lm									
			3000K 80CRI 35D			-					
	Multiplier]	elivered Lu	mens = [Delivered	Lume	en Val	ue] x	[CC1	Multip	lier	x [Ref	lector
	27K	2700K	CCT	270	)0K	300	)0K	350	)0K	400	00K
ССТ	30K	3000K	CRI	80+	90+	80+	90+	80+	90+	80+	90+
001	35K	3500K	CCT MULTIPLIER FOR LUMEN OUTPUT	0.96	0.81	1.00	0.85	1.03	0.88	1.06	0.91
	40K	4000K									
CRI	80	80 CRI									
-	90	90 CRI									
	9D	9.5 degrees (0.8)					<i>,</i>				
OPTIC &	15D						.05)				
LM MULTIPLIER	20D	20 degrees					.93)				
SEE PAGE 3	25D	25 degrees						.96)			
	35D	35 degre									.00)
	55D	55 degre									.97)
TIR OPTIC	NA	no acces									.00)
ACCESSORY SEE PAGE 3	HETA	high efficiency textured lens, similar to Solite™					e™	(0	.90)		
	Attached to 1	rR optic, act								(0	.98)
	DL		-								).91)
BEZEL LENS	HET	diffused lens				۵™		.92)			
SEE PAGE 3	SBL	high efficiency textured lens, similar to Solite™ smoothing beam lens				0		.92)			
	EA	elliptical lens							.90)		
	BK	black								(0	1007
	WH	white									
TRIM	MC	matte chrome									
COLOR SEE PAGE 3	CC	custom color, consult factory for details									
022111020			AM to black, white								
	Includes sha	tter proof ler	s and tamper resis	tant	screw	'S.					
	BK	black								(0	.98)
BEZEL	WH	white								(1	00)
COLOR	MC	matte ch	rome							(0	.99)
SEE PAGE 3	CC	custom	color, consult f	acto	ry fo	r de	tails				
	Antimicrobia	l finish, add	AM to black, white	or ma	atte cl	nrome	e i.e. B	KAM.			

PROJECT INFORMATION					
JOB NAME		ТҮРЕ			
ORDERING CODE					

	9°- 55° BEAM ORDERING CODE					
MOUNTING NC OPTIONS SEE PAGE 6		new construction with ceiling fitting plate				
VOLTAGE	120	120V				
VULIAGE	UNV	120V-277V				
	DIM10	eldoLED flicker free 0-10V dimming to 1%				
	DIM10Z	eldoLED flicker free 0-10V dimming to 0%				
	DALI	eldoLED flicker free DALI 2 dimming to 1%				
	DALIZ	eldoLED flicker free DALI 2 dimming to 0%				
	DMXZ	DMX dim to zero				
	DMX-RJ45	DMX control dimming to 0.1% with RJ45 connection				
	DMX-XLR	DMX control dimming to 0.1% with XLR 5pin connection				
DIMMING	DMX-WL	DMX control dimming to 0.1% with wire lead connection				
	LUT	Lutron Hi-lume Ecosystem dimming to 1%, Soft-on & Fade-to-Black				
	LUTP <sup>1</sup>	Lutron Hi-lume Premier Ecosystem dimming to 0.1%, Soft-on & Fade-to-Black				
	ELV1 <sup>2</sup>	leading & trailing edge (Triac/ELV) dimming to 1%				
	NLT	nLight control interface: standard Cat-5/RJ45 connection (female), dim to off				
	CAS	Casambi Bluetooth control with flicker free 1% dimming				
	EM7	emergency battery backup, 90 minutes at 7W to LED				
ELECTRICAL	EM12	emergency battery backup, 90 minutes at 12W to LED				
OPTIONS	EM10CA20	remote emergency battery backup, 90 minutes at 10W to LED, CA title 20				

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:

NU4 - RATR - SW - 20LM - 35K - 90 - 35D - NA - HET - WH - NC - UNV - DIM10 - EM7

### NOTES

1. 9D available in 10LM.

- 2. 15D available in 10LM/15LM/20LM. Not available with DL lens.
- 3. Elliptical lens not available with 9D/15D optics. Actual beam distributions [20D=  $35^{\circ} \times 60^{\circ}$ ,  $25D= 40^{\circ} \times 65^{\circ}$ ,  $35D= 45^{\circ} \times 70^{\circ}$ ,  $55D= 55^{\circ} \times 80^{\circ}$ ]
- 4. LUTP not available in 15D/20LM or 25LM/30LM/35LM/40LM.
- 5. ELV1 (120V) not available in 10LM with 20D/25D/35D/55D optics.

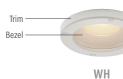
\* EldoLED and DMX uses logarithmic dimming curve as standard. For linear dimming curve, add "LIN" after dimming code, i.e. DIM10LIN.

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PROJECT INFOR	PROJECT INFORMATION				
JOB NAME		ТҮРЕ			
ORDERING CODE					

### **TRIM OPTIONS**

### **TRIM COLORS**



BK



### **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.



OPTIC	BEAM ANGLE	UGR
15D	13.7	≤5
20D	20.1	≤5
25D	25.5	≤5
35D	34.4	7.5
55D	52.9	14



OPTIC	BEAM ANGLE	UGR
20D	38.3	15.7
25D	41.5	17.2
35D	45	18.2
55D	57.8	20.9



OPTIC	BEAM ANGLE	UGR
20D	24.9	≤5
25D	28.7	8.8
35D	34	9.9
55D	51.6	15.7



OPTIC	BEAM ANGLE	UGR
9D*	9.5	8.2
15D	17	≤5
20D	21	≤5
25D	26.5	6.3
35D	33.3	8.1
55D	52.8	14.8

\* UGR Calculation based on 10LM for 9D.

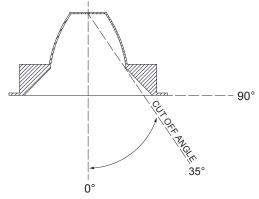
### **GLARE CONTROL**

### **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 CL is 35 degrees;



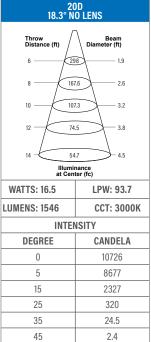
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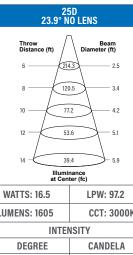
	JOB NAME	TYPE
	ORDERING CODE	
•		

PROJECT INFORMATION

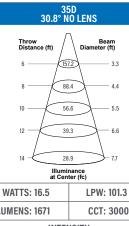
### PHOTOMETRIC DATA

20LM CCT MULTIPLIERS		
	80CRI	90CRI
2700K	0.96	0.81
3000K	1	0.85
3500K	1.03	0.88
4000K	1.06	0.91
FC Formula = CBCP / Distance <sup>2</sup>		





LUMENS: 1605	CCT: 3000K
INTE	NSITY
DEGREE	CANDELA
0	7715
5	6746
15	2644
25	490
35	55
45	6.7



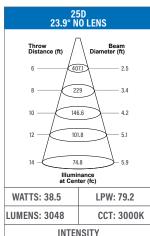
LUMENS: 1671	CCT: 3000K	
INTENSITY		
DEGREE	CANDELA	
0	5659	
5	5301	
15	2948	
25	721	
35	47.8	
45	7.3	

55D 51.1° NO LENS		
Throw Beam Distance (ft) Diameter (ft)		
6 5.8		
8 38.1 7.7		
1024	.4 9.7	
12 16.	9 11.6	
14 12	4 13.5	
Illumin at Cent	nance	
WATTS: 16.5	LPW: 97.8	
UMENS: 1614	CCT: 3000K	
INTER	ISITY	
DEGREE	CANDELA	
0	2411	
5	2424	
15	2176	
25	1296	
35	268	
45	15.4	

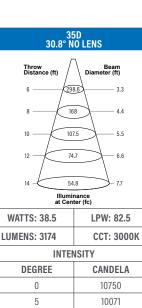
40LM CCT MULTIPLIERS		
	80CRI	90CRI
2700K	0.96	0.81
3000K	1	0.85
3500K	1.03	0.88
4000K	1.06	0.91
FC Formula = CBCP / Distance <sup>2</sup>		

	20D 18.3° NO LENS	
_	Throw Distance (ft)	Beam Diameter (ft)
	6	6.1 1.9
_	8 318	2.6
	10203	3.8 3.2
	12 141	3.8
	14 10	4 4.5
	Illumin at Cen	
	WATTS: 38.5	LPW: 76.3
	LUMENS: 2938	CCT: 3000K
	INTER	NSITY
	DEGREE	CANDELA
	0	20378
	5	16485
	15	4420
	25	609
	35	46.5
	45	4.6

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LUMENS: 3048	CCT: 3000K	
INTENSITY		
DEGREE	CANDELA	
0	14657	
5	12815	
15	5023	
25	932	
35	105	
45	12.8	



5600

1369

90.8

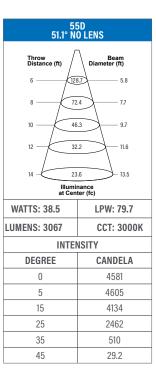
13.8

15

25

35

45



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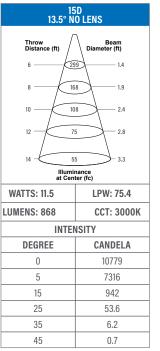
v.5.10.24 NU4RATR Page 4 of 7

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PROJECT INFORMATION			
JOB NAME		ТҮРЕ	
ORDERING CODE			

### PHOTOMETRIC DATA (CONTINUED)

10LM CCT MULTIPLIERS		
	80CRI	90CRI
2700K	0.96	0.81
3000K	1	0.85
3500K	1.03	0.88
4000K	1.06	0.91
FC Formula = CBCP / Distance <sup>2</sup>		



9D 9.5 ° Smoothing beam lens			
Throw Beam Distance (ft) Diameter (ft)			
6	1		
8 1.3			
1014	10 1.7		
12 97 2			
14 7	14 - 71 - 2.3		
	nance ter (fc)		
WATTS: 17.1	LPW: 40.4		
LUMENS: 692 CCT: 3000K			
INTE	NSITY		
DEGREE	CANDELA		
0	14002		
5 6549			
15	392		
25	146		
35	53.2		
45	15.8		

20LM CCT MULTIPLIERS				
	80CRI	90CRI		
2700K	0.96	0.81		
3000K	1	0.85		
3500K	1.03	0.88		
4000K	1.06	0.91		
FC Formula = CBCP / Distance <sup>2</sup>				

15D 13.5° NO LENS					
Throw Beam Distance (ft)					
6 1.4					
8 301 1.9					
10 2.4					
12 134 2.8					
14 - 98.2 - 3.3					
Illumi at Cen	nance ter (fc)				
WATTS: 30.5	LPW: 50.8				
LUMENS: 1549	CCT: 3000K				
INTE	NSITY				
DEGREE	CANDELA				
0	19249				
5	13063				
15	1682				
25	95.6				
35	11				
45	1.3				

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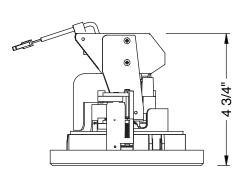
PROJECT INFORMATION					
JOB NAME		ТҮРЕ			
ORDERING CODE					

### **MOUNTING OPTIONS**

### **FIXTURE HEIGHT**

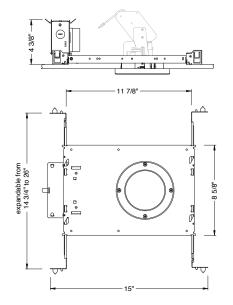
**10LM - 30LM CONFIGURATIONS** 

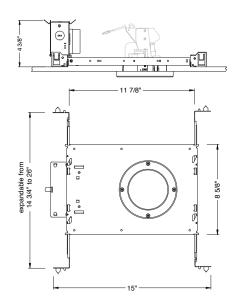
**40LM CONFIGURATIONS** 

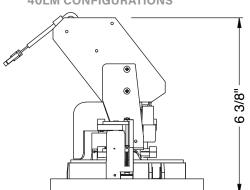


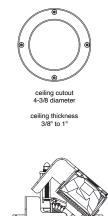
### **NC - NEW CONSTRUCTION**

TAMPER RESISTANT









3 7/8" lens opening

5 1/2"

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**BATTERY OPTIONS** 

### PROJECT INFORMATION JOB NAME ORDERING CODE

### **EMERGENCY BATTERY**

IOTA'S ILB Battery Backups are UL Listed LED emergency drivers that allow the same LED fixture to be used for both normal and emergency operation. In the event of a power failure, the ILB switches to the emergency mode and operates the existing fixture for 90 minutes. The unit contains a battery, charger, and converter circuit in a single can. The Constant Power design of the ILB maintains the output wattage to the LED array even as the system voltage diminishes. UL 924 Listed for U.S. and Canada. UL 1310 Certified, Output Class 2 Compliant. Includes single-piece TBTS test switch and charge indicator accessory kit. For use with switched and unswitched fixtures, and includes Two-wire universal AC input. Meets or exceeds all National Electric Code and Life Safety Code Emergency Lighting Requirements. Rated for use in Plenum, Damp Location, Recessed Type IC, and Enclosed and Gasketed Luminares.

### **REMOTE TEST SWITCH**

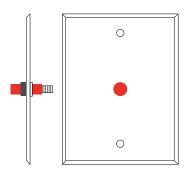
The Remote Test Switch may be mounted adjacent to the LED Fixture by others.

### **EMERGENCY BATTERY ACCESS**

Above ceiling access is required for service. An access panel in the ceiling (or other form of access) adjacent to the installation location of the Emergency Battery is required.

### **REMOTE LOCATION**

Maximum remote mounting distance of the emergency driver shall be 50 feet. Remote location wiring provided by others. Follow all Local and National Electric/ Building Codes.

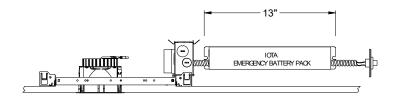


**Remote Test Switch** 

EM MODE OUTPUT (DELIVERED LUMENS)					
LUMEN ORDERING CODE	EM7	EM10	EM12		
ALL OPTIONS (10LM TO 40LM)	880LM	1280LM	1480LM		
Notes: Based on 30K, 80CRI					

### **NC - NEW CONSTRUCTION**

WITH EM BATTERY (REMOTE TEST SWITCH)



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