alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

NU6

6" Round Downlight Tamper Resistant Standard White

NSF · AT airtight · DF dead-front · PR plenum rated · wet rated · IK10



12° - 75° BEAM (Note: Specifications are subject to change without notice)		
14mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	**NOMINAL DELIVERED LUMENS**	**SYSTEM WATTAGE**
10LM	910LM @30K/80CRI	9W
15LM	1360LM @30K/80CRI	12W
20LM	1790LM @30K/80CRI	16W
25LM	2230LM @30K/80CRI	20W
30LM	2640LM @30K/80CRI	24W
35LM	3150LM @30K/80CRI	29W
40LM	3650LM @30K/80CRI	35W
45LM	4030LM @30K/80CRI	40W
10LM	780LM @30K/90CRI	9W
15LM	1150LM @30K/90CRI	12W
20LM	1520LM @30K/90CRI	16W
25LM	1890LM @30K/90CRI	20W
30LM	2250LM @30K/90CRI	24W
35LM	2680LM @30K/90CRI	29W
40LM	3100LM @30K/90CRI	35W
45LM	3430LM @30K/90CRI	40W
Notes	Delivered lumens based on 60D optic with No lens, (see page 2)	

FEATURES

- Designed to meet NYS-OMH rigorous requirements
- Tamper resistant, anti-ligature
- IK10 impact rated, vandal resistant
- Optical beam control 12° to 75°
- UGR <9
- Microban antimicrobial finish available on all exposed painted surfaces

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-lume Eco System dimming to 0.1% and 1%
- Leading & trailing edge (Triac/ELV) dimming to 1%
- Casambi dimming to 1.0%
- NLight control interface dimming to 0%

CONSTRUCTION

- Spun Aluminum 6061 lensing frame
- 18-8 stainless steel tamper resistant screws
- Polycarbonate (3mm) shatter resistant lensing
- Electrocoated 16-gauge cold rolled steel construction
- Accommodates ceiling thickness from 1/8" to 2"

LED

- 90 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L_{70} > 66,000 hrs
- 80 CRI: SDCM = 3-step MacAdam Ellipse, Lumen Maintenance: L_{70} > 66,000 hrs

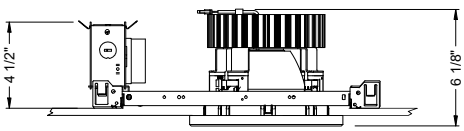
LISTING

- 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
- **Declare.** - LBC Red List Approved
- 5 Year Limited warranty

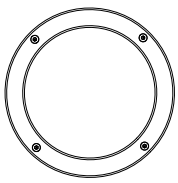
ELECTRICAL

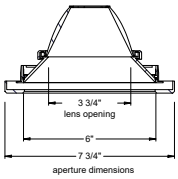
- 120V-277V, 120 only Triac / ELV
- Power factor ≥ 0.9
- 2kV driver input surge protection
- Remote emergency test switch
- 7W, 10W (T20 CEC) and 12W EM 90min battery
- Max. ambient installation temperature 95°F (35°C)
- Low Voltage Luminaire option, see page 7.

FIXTURE HEIGHT



TAMPER RESISTANT





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PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

ORDERING CODE

SERIES	**NU6**	NU6
TYPE	**RDTR**	round downlight tamper resistant
LED	**SW**	standard white
DELIVERED LUMENS	**10LM**	910 lm
	15LM	1360 lm
	20LM	1790 lm
	25LM	2230 lm
	30LM	2640 lm
	35LM	3150 lm
	40LM	3650 lm
	45LM	4030 lm
	Standard Configuration: 3000K 80CRI SS45 **Calculated Delivered Lumens** = [Delivered Lumen Value] x [CCT Multiplier] x [Reflector Multiplier]	
CCT	**27K**	2700K
	30K	3000K
	35K	3500K
	40K	4000K

CCT	2700K		3000K		3500K		4000K	
CRI	80+	90+	80+	90+	80+	90+	80+	90+
CCT MULTIPLIER FOR LUMEN OUTPUT	0.96	0.81	1	0.85	1.03	0.88	1.06	0.91

CRI	**80**	80 CRI	
	90	90 CRI	
OPTIC & LM MULTIPLIER SEE PAGE 3	**12D**	12 degrees	(0.96)
	20D	20 degrees	(0.96)
	35D	35 degrees	(0.95)
	50D	50 degrees	(0.99)
	60D	60 degrees	(1.00)
	75D	75 degrees	(0.91)
BEZEL LENS	**CL**	clear lens	(0.96)
	DL	diffused lens	(0.93)
	HET	high efficiency textured lens, similar to Solite™	(0.95)
	SBL	smoothing beam lens	(0.95)
TRIM COLOR	**BK**	black	
	WH	white	
	MC	matte chrome	
	CC[1]	custom color, consult factory for details	
	Antimicrobial finish, add **AM** to black, white or matte chrome i.e. BKAM.		
	Includes shatter proof lens and tamper resistant screws.		
BEZEL COLOR	**BK**	black	(0.98)
	WH	white	(1.00)
	MC	matte chrome	(0.99)
	CC[1]	custom color, consult factory for details	
	Antimicrobial finish, add **AM** to black, white or matte chrome i.e. BKAM.		

ORDERING CODE

MOUNTING OPTIONS SEE PAGE 5	**NC**	new construction with ceiling fitting plate
VOLTAGE	**120**	120V
	UNV	120V-277V
	LVL[2]	low voltage luminaire
DIMMING	**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%
	DMX-RJ45	DMX control dimming to 0.1% with RJ45 connection
	DMX-WL	DMX control dimming to 0.1% with wire lead connection
	DMX-XLR	DMX control dimming to 0.1% with XLR 5pin connection
	LUT	Lutron Hi-lume Ecosystem dimming to 1%, Soft-on & Fade-to-Black
	LUTP[3]	Lutron Hi-lume Premier Ecosystem dimming to 0.1%, Soft-on & Fade-to-Black
	ELV1[4]	leading & trailing edge (Triac/ELV) dimming to 1%
	NLT	nLight control interface: standard Cat-5/RJ45 connection (female), dim to off
	CAS	Casambi control with flicker free 1% dimming
	ND	No Driver Included. Customer to Supply PoE system components or order remote driver separately. Refer to POE/Remote Driver reference sheet for additional details.
ELECTRICAL OPTIONS	**EM7**	emergency battery backup, 90 minutes at 7W to LED
	EM12	emergency battery backup, 90 minutes at 12W to LED
	EM10CA20	remote emergency battery backup, 90 minutes at 10W to LED, CA title 20

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 - RDTR - SW - 30LM - 35K - 90 - 12D - CL - WH - WH - NC - UNV - DIM10 - EM7

NOTES

1. Custom set up fee plus minimum quantity required per color.
2. Must select ND dimming code, for remote driver or POE specification. See page 7
3. LUTP not available in 25LM/30LM/40LM.
4. ELV1 (120V) not available in 10LM.

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

TRIM OPTIONS

TRIM COLORS



WH MC BK

101330

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.

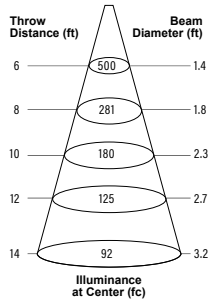
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA

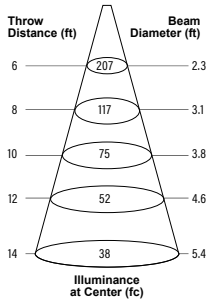
20LM		
	80CRI	90CRI
2700K	0.96	0.81
3000K	1	0.85
3500K	1.03	0.88
4000K	1.06	0.91
FC Formula = CBCP / Distance^2		

12D 12.8° WITH NO LENS



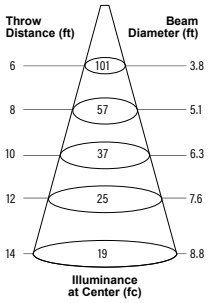
WATTS: 15.8	LPW: 109.2
LUMENS: 1726	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	17997
5	12343
15	908
25	623
35	510
45	1

20D 22° WITH NO LENS



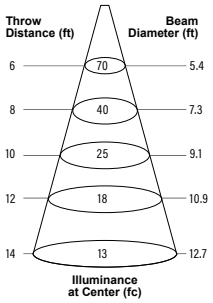
WATTS: 15.8	LPW: 108.8
LUMENS: 1720	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	7456
5	6525
15	1944
25	653
35	529
45	1

35D 35° WITH NO LENS



WATTS: 15.8	LPW: 107.8
LUMENS: 1703	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	3646
5	3634
15	2311
25	902
35	540
45	2

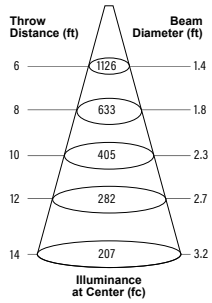
50D 49° WITH NO LENS



WATTS: 15.8	LPW: 112
LUMENS: 1769	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	2529
5	2537
15	2087
25	1221
35	624
45	18

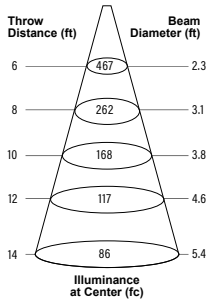
45LM		
	80CRI	90CRI
2700K	0.96	0.81
3000K	1	0.85
3500K	1.03	0.88
4000K	1.06	0.91
FC Formula = CBCP / Distance^2		

12D 12.8° WITH NO LENS



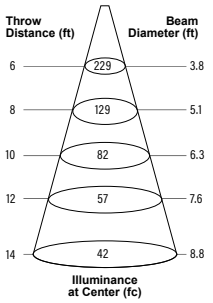
WATTS: 40	LPW: 97.2
LUMENS: 3887	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	40538
5	27803
15	2046
25	1403
35	1148
45	2

20D 22° WITH NO LENS



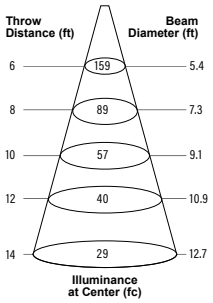
WATTS: 40	LPW: 96.8
LUMENS: 3874	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	16796
5	14697
15	4378
25	1472
35	1192
45	2

35D 35° WITH NO LENS



WATTS: 40	LPW: 95.9
LUMENS: 3836	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	8214
5	8186
15	5205
25	2031
35	1216
45	4

50D 49° WITH NO LENS



WATTS: 40	LPW: 99.6
LUMENS: 3985	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	5696
5	5714
15	4700
25	2751
35	1405
45	41

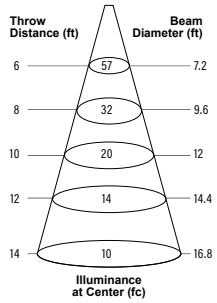
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA

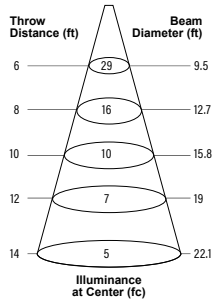
20LM		
	80CRI	90CRI
2700K	0.96	0.81
3000K	1	0.85
3500K	1.03	0.88
4000K	1.06	0.91
FC Formula = CBCP / Distance^2		

60D
62° WITH NO LENS



WATTS: 15.8	LPW: 113.4
LUMENS: 1791	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	2048
5	2033
15	1798
25	1298
35	774
45	45

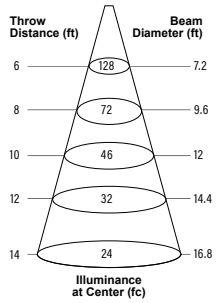
75D
76° WITH NO LENS



WATTS: 15.8	LPW: 103.2
LUMENS: 1631	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	1032
5	1026
15	988
25	915
35	768
45	227

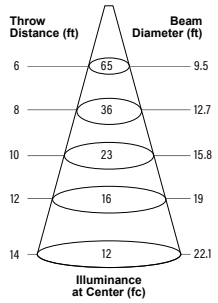
45LM		
	80CRI	90CRI
2700K	0.96	0.81
3000K	1	0.85
3500K	1.03	0.88
4000K	1.06	0.91
FC Formula = CBCP / Distance^2		

60D
62° WITH NO LENS



WATTS: 40	LPW: 100.9
LUMENS: 4034	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	4613
5	4580
15	4050
25	2924
35	1743
45	100

75D
76° WITH NO LENS



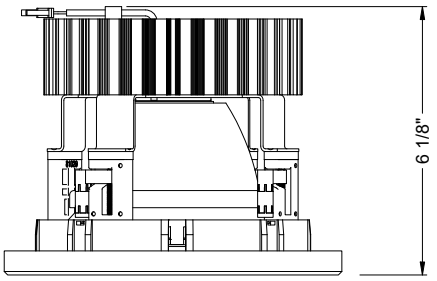
WATTS: 40	LPW: 91.8
LUMENS: 3673	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	2324
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15	2226
25	2061
35	1730
45	510

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

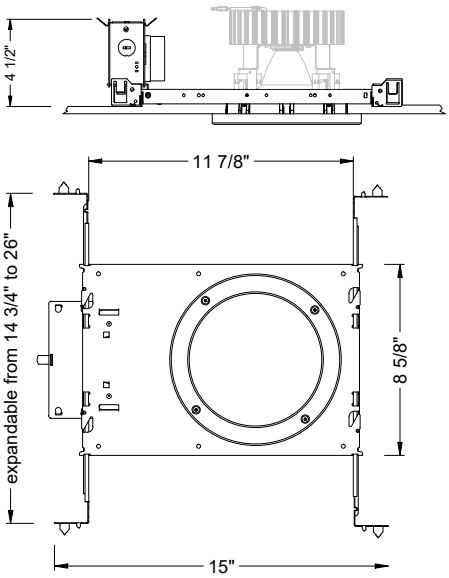
MOUNTING OPTIONS

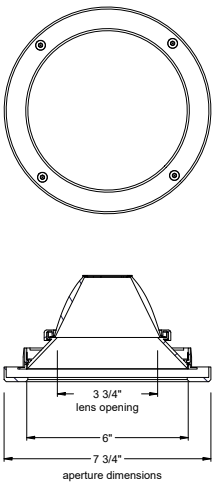
FIXTURE HEIGHT



NC - NEW CONSTRUCTION

TAMPER RESISTANT





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.

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PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

BATTERY OPTIONS

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

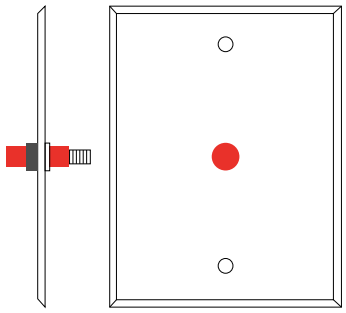
The Remote Test Switch may be mounted adjacent to the LED Fixture by others.

EMERGENCY BATTERY ACCESS

Above ceiling access is recommended for ease of service, but LED Fixture Sizes of 4" and Larger are capable of below ceiling access.

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.

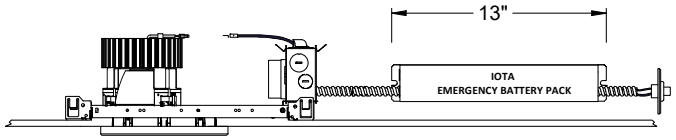


Remote Test Switch

EM MODE OUTPUT (DELIVERED LUMENS)			
LUMEN ORDERING CODE	EM7	EM10	EM12
ALL OPTIONS (45LM TO 10LM)	490LM	570LM	790LM
Notes: Based on 30K, 80CRI			

NC - NEW CONSTRUCTION

WITH EM BATTERY (REMOTE TEST SWITCH)



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PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

LOW VOLTAGE OPTIONS

12° - 75° BEAM (Note: Specifications are subject to change without notice)			
14mm COB PERFORMANCE DATA			
LED LIGHT ENGINE	**NOMINAL DELIVERED LUMENS**	**DRIVE CURRENT**	**LED WATTAGE**
10LM	910LM @30K/80CRI	200mA	7.5W
15LM	1360LM @30K/80CRI	300mA	11W
20LM	1790LM @30K/80CRI	400mA	14.5W
25LM	2230LM @30K/80CRI	500mA	18W
30LM	2640LM @30K/80CRI	600mA	22W
35LM	3150LM @30K/80CRI	725mA	26.5W
40LM	3650LM @30K/80CRI	850mA	31W
45LM	4030LM @30K/80CRI	950mA	34.5W
10LM	780LM @30K/90CRI	200mA	7.5W
15LM	1150LM @30K/90CRI	300mA	11W
20LM	1520LM @30K/90CRI	400mA	14.5W
25LM	1890LM @30K/90CRI	500mA	18W
30LM	2250LM @30K/90CRI	600mA	22W
35LM	2680LM @30K/90CRI	725mA	26.5W
40LM	3100LM @30K/90CRI	850mA	31W
45LM	3430LM @30K/90CRI	950mA	34.5W
Notes	Delivered lumens based on 60D optic with No lens, (see page 2)		

NOMINAL LED VOLTAGE: 36VDC

Customer to order CC Remote Driver separately or POE Node by others.

