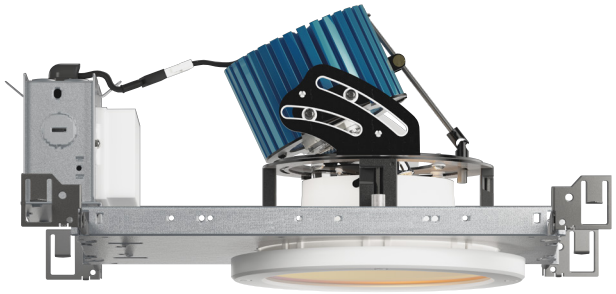
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

NU6

6" Round Adjustable
Tamper Resistant Standard White

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



30° - 70° BEAM (Note: Specifications are subject to change without notice)		
14mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	800LM @30K/80CRI	9W
15LM	1100LM @30K/80CRI	14W
20LM	1520LM @30K/80CRI	17W
25LM	1830LM @30K/80CRI	20W
30LM	2280LM @30K/80CRI	26W
40LM	2900LM @30K/80CRI	32W
10LM	676LM @30K/80CRI	9W
15LM	930LM @30K/80CRI	14W
20LM	1267LM @30K/80CRI	17W
25LM	1830LM @30K/80CRI	20W
30LM	1546LM @30K/80CRI	26W
40LM	2450LM @30K/80CRI	32W
Notes	Delivered lumens based on SS30 80CRI 3000K (see page 2)	

10° BEAM (Note: Specifications are subject to change without notice)		
6mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	870LM @30K/80CRI	11W
15LM	1220LM @30K/80CRI	19W
20LM	1550LM @30K/80CRI	31W
10LM	730LM @30K/90CRI	11W
15LM	1025LM @30K/90CRI	19W
20LM	1310LM @30K/90CRI	31W
Notes	Delivered lumens based on S10 80CRI 3000K (see page 2)	

FEATURES
- Designed to meet NYS-OMH rigorous requirements
- Tamper resistant, anti-ligature
- IK10 impact rated, vandal resistant
- Optical beam control 30° to 65°
- UGR <12
- 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%

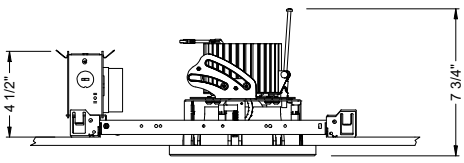
CONSTRUCTION
- Spun Aluminum 6061 lensing frame
- 18-8 stainless steel tamper resistant screws
- Polycarbonate (3mm) shatter resistant lensing.
- Electrocoated 16-gauge cold rolled steel construction
- Accommodates ceiling thickness from 1/8" to 1-5/8"

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

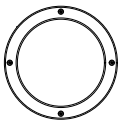
LISTING
- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- IP65 with lens - Suitable for wet locations
- Non-conductive, dead-front construction (shower approved)
- NSF/ANSI-2 with lens (Non-Food and Splash Zones)
- NYSOMH - New York State Office of Mental Health compliant
- 5 Year Limited 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)

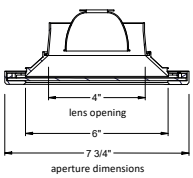
FIXTURE HEIGHT



TAMPER RESISTANT



ceiling cutout
6-3/8"
ceiling thickness
1/8" to 1-5/8"



aperture dimensions

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

10°- 70° BEAM ORDERING CODE

SERIES	**NU6**	NU6
TYPE	**RATR**	round adjustable tamper resistant
LED	**SW**	standard white
DELIVERED LUMENS	**10LM**	800 lm
	15LM	1100 lm
	20LM	1520 lm
	25LM	1830 lm
	30LM	2280 lm
	40LM	2900 lm
	Standard Configuration: 3000K 80CRI SS30 **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	1.00	0.85	1.03	0.88	1.06	0.91

CRI	**80**	80 CRI	
	90	90 CRI	
OPTIC & LM MULTIPLIER SEE PAGE 3	**HE45**	45° high efficiency diffused lens	(0.92)
	HE60	60° high efficiency diffused lens	(0.91)
	HE75	75° high efficiency diffused lens	(0.84)
	S10	10° specular with clear lens	(1.09)
	SS30	30° semi-specular	(1.00)
	SS45	45° semi-specular	(0.89)
	SS60	60° semi-specular	(0.98)
	D40	40° diffused	(0.93)
	D50	50° diffused	(0.94)
	D65	65° diffused	(0.93)
TRIM COLOR SEE PAGE 3	**BK**	black	
	WH	white	
	MC	matte chrome	
	Antimicrobial finish, add **AM** to black, white or matte chrome i.e. BKAM.		
	Includes shatter proof lens and tamper resistant screws.		
BEZEL COLOR SEE PAGE 3	**BK**	black	(0.98)
	WH	white	(1.00)
	MC	matte chrome	(0.99)
	Antimicrobial finish, add **AM** to black, white or matte chrome i.e. BKAM.		

10°- 70° BEAM ORDERING CODE

MOUNTING OPTIONS SEE PAGE 6, 7	**NC**	new construction with ceiling fitting plate
VOLTAGE	**120**	120V
	UNV	120V-277V
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[1]	Lutron Hi-lume Premier Ecosystem dimming to 0.1%, Soft-on & Fade-to-Black
	ELV1[2]	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
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 - RATR - SW - 20LM - 35K - 90 - D40 - WH - NC - UNV - DIM10

NOTES

1. LUTP not available in 25LM/30LM/40LM.
2. ELV1 (120V) not available in 10LM.

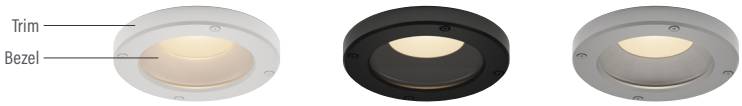
* EldoLED uses logarithmic dimming curve as standard. For linear dimming curve, add "LIN" after dimming code, i.e. DIM10LIN.

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

TRIM OPTIONS

TRIM COLORS



WH BK MC

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.

CL
Clear Lens



OPTIC	BEAM ANGLE	UGR
S10	9.2	11.3
HE40	40.4	14.6
HE60	55.8	16.9
HE70	74.1	19.4
SS30	30.5	10.7
SS40	39.1	13.4
SS60	53.3	13.5
D40	39.3	10.9
D60	57.8	14.2
WH70	71.4	17.3

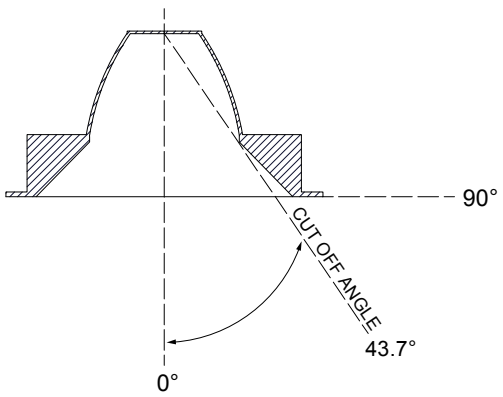
GLARE CONTROL

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 and CL is 43.7 degrees;



100915

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.

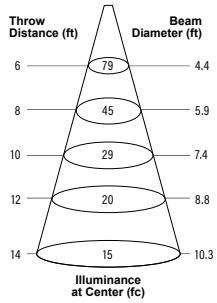
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA

20LM 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^2		

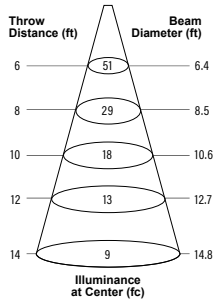
HE40
40° HIGH EFFICIENCY DIFFUSED LENS



WATTS: 20	LPW: 91
LUMENS: 1819	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	2858
5	2734
15	1930
25	1035
35	491
45	210

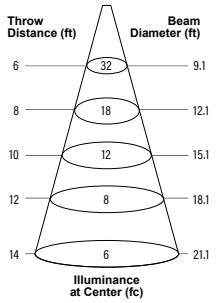
HE60
56° HIGH EFFICIENCY DIFFUSED LENS



WATTS: 20	LPW: 91.3
LUMENS: 1826	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	1831
5	1788
15	1493
25	1048
35	624
45	308

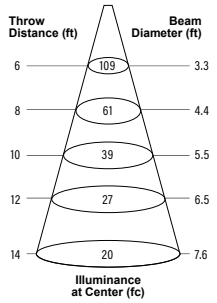
HE70
74° HIGH EFFICIENCY DIFFUSED LENS



WATTS: 20	LPW: 86.2
LUMENS: 1724	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	1151
5	1138
15	1038
25	854
35	624
45	389

SS30
31° SEMI-SPECULAR WITH CLEAR LENS

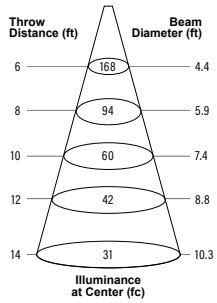


WATTS: 20	LPW: 80.1
LUMENS: 1601	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	3906
5	3605
15	1993
25	993
35	314
45	35

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^2		

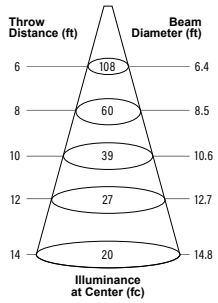
HE40
40° HIGH EFFICIENCY DIFFUSED LENS



WATTS: 43	LPW: 89.4
LUMENS: 3843	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	6038
5	5776
15	4077
25	2186
35	1037
45	444

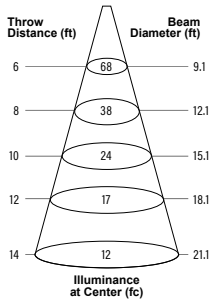
HE60
56° HIGH EFFICIENCY DIFFUSED LENS



WATTS: 43	LPW: 89.7
LUMENS: 3857	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	3869
5	3778
15	3154
25	2214
35	1319
45	650

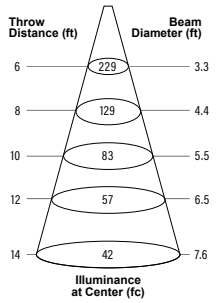
HE70
74° HIGH EFFICIENCY DIFFUSED LENS



WATTS: 43	LPW: 84.7
LUMENS: 3642	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	2431
5	2403
15	2193
25	1805
35	1319
45	822

SS30
31° SEMI-SPECULAR WITH CLEAR LENS



WATTS: 43	LPW: 78.7
LUMENS: 3382	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	8251
5	7616
15	4210
25	2097
35	664
45	73

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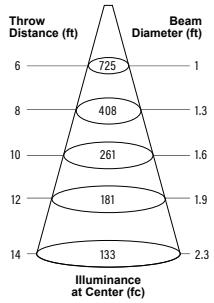
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
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^2		

S10
10° SPECULAR WITH CLEAR LENS

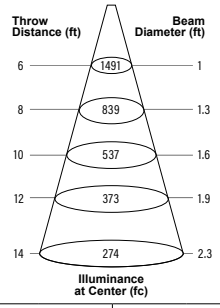


WATTS: 16.3	LPW: 91.7
LUMENS: 1494	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	26099
5	11653
15	663
25	540
35	417
45	9

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^2		

S10
10° SPECULAR WITH CLEAR LENS



WATTS: 40.8	LPW: 75.3
LUMENS: 3073	CCT: 3000K

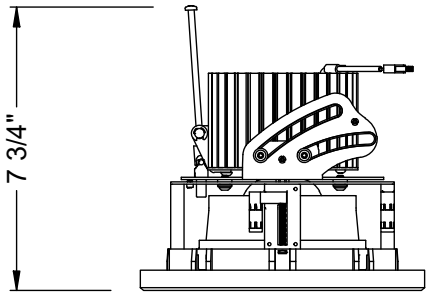
INTENSITY	
DEGREE	CANDELA
0	53667
5	23961
15	1362
25	1110
35	857
45	19

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

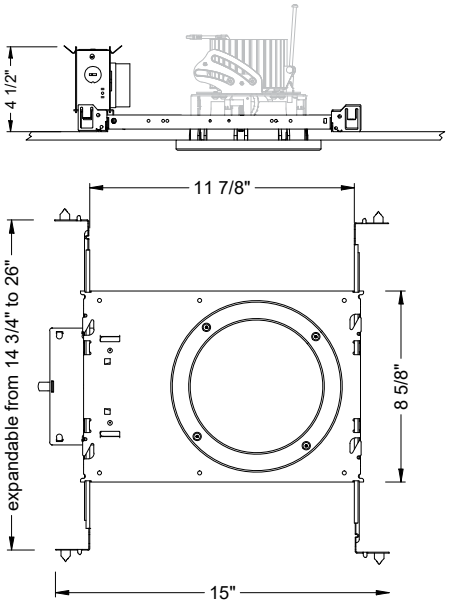
MOUNTING OPTIONS

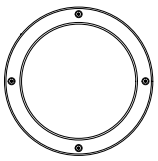
FIXTURE HEIGHT



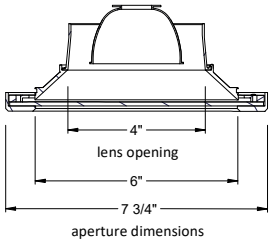
NC - NEW CONSTRUCTION

TAMPER RESISTANT





ceiling cutout
6-3/8"
ceiling thickness
1/8" to 1-5/8"



aperture dimensions

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			

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

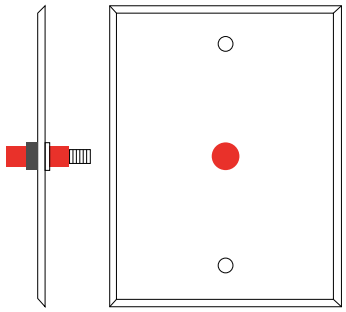
The Remote Test Switch may be mounted adjacent to the LED Fixture by others.

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

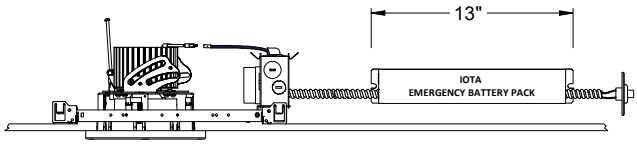
Maximum remote mounting distance of the emergency driver shall be 50 feet. Remote location wiring provided by others. Follow all Local and National Electric/ Building Codes.



Remote Test Switch

EM MODE OUTPUT (DELIVERED LUMENS)			
LUMEN ORDERING CODE	EM7	EM10	EM12
ALL OPTIONS (10LM TO 40LM)	634LM	880LM	990LM
Notes: Based on 30K, 80CRI			

NC - NEW CONSTRUCTION
WITH EM BATTERY (REMOTE TEST SWITCH)



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.