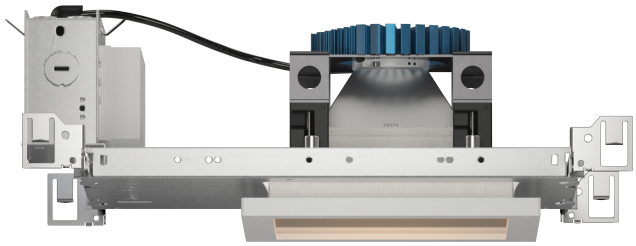
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

NU6

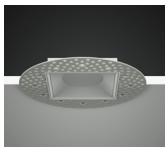
6" Square Downlight
Tamper Resistant Standard White

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





Trim



Trimless



Trimless Millwork

75° - 80° BEAM
(Note: Specifications are subject to change without notice)

14mm COB PERFORMANCE DATA

LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	860LM @30K/80CRI	9WW
15LM	1270LM @30K/80CRI	12WW
20LM	1680LM @30K/80CRI	16WW
25LM	2090LM @30K/80CRI	20WW
30LM	2480LM @30K/80CRI	24WW
35LM	2950LM @30K/80CRI	29WW
40LM	3420LM @30K/80CRI	35WW
45LM	3790LM @30K/80CRI	39WW
10LM	730LM @30K/90CRI	9WW
15LM	1080LM @30K/90CRI	12WW
20LM	1430LM @30K/90CRI	16WW
25LM	1770LM @30K/90CRI	20WW
30LM	2110LM @30K/90CRI	24WW
35LM	2510LM @30K/90CRI	29WW
40LM	2910LM @30K/90CRI	35WW
Notes	Delivered lumens based on WH80 optic, (see page 2)	

FEATURES
- Designed to meet NYS-OMH rigorous requirements
- Spun aluminum frame with stainless steel tamper resistant screws
- Polycarbonate (3mm) shatter proof lensing, vandal rated
- UGR <17
- Antimicrobial (Microban®) painted finishes

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 dimming to 1.0%
- NLight control interface dimming to 0%

CONSTRUCTION
- 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 1/8" to 1-5/8"

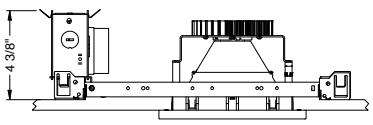
LED
- 90 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L_{70} > 66,000 hrs
- 80 CRI: SDCM = 3-step MacAdam Ellipse, Lumen Maintenance: L_{70} > 66,000 hrs

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
- 5 Year Limited warranty

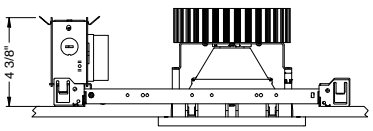
ELECTRICAL
- 120V-277V, 120 only Triac / ELV
- Power factor ≥ 0.9
- 2kV driver input surge protection
- Remote emergency test switch
- 7W, 10W (T20 CEC) and 12W EM 90min battery
- Max. ambient installation temperature 95°F (35°C)

FIXTURE HEIGHT

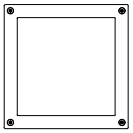
LED LIGHT ENGINE: 10LM - 30LM

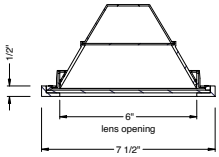


LED LIGHT ENGINE: 35LM - 50LM



TAMPER RESISTANT





101258

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

75°- 80° BEAM ORDERING CODE

SERIES	**NU6**	NU6
TYPE	**QDTR**	square downlight tamper resistant
LED	**SW**	standard white
DELIVERED LUMENS	**10LM**	860 lm
	15LM	1270 lm
	20LM	1680 lm
	25LM	2090 lm
	30LM	2480 lm
	35LM	2950 lm
	40LM	3420 lm
	45LM	3790 lm
	Standard Configuration: 3000K 80CRI WH80 **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 5, 6	**HE75**	75° high efficiency diffused lens	(0.94)
	HE85	85° high efficiency diffused lens	(0.98)
	D75	75° diffused with clear lens	(0.98)
	WH80	80° brilliant white with clear lens	(1.00)
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.		

75°- 80° BEAM ORDERING CODE

MOUNTING OPTIONS SEE PAGE 5, 6	**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%
	DMXZ	DMX dim to zero
	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 - QDTR - SW - 30LM - 35K - 90 - WH80 - WH - WH - NC - 120 - DIM10 - EM7

NOTES

1. LUTP not available in 25LM/30LM/35LM/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
D75	74	17
WH80	81	19.6

DL
Diffused Lens



OPTIC	BEAM ANGLE	UGR
HE75	75	19
HE85	85	20.6

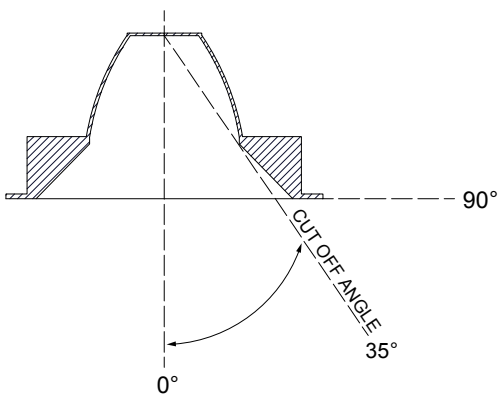
GLARE CONTROL

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;



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.

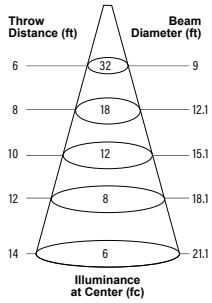
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA

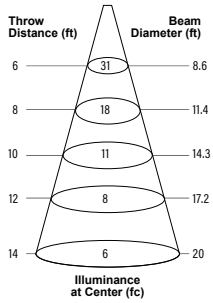
20LM		
	80CRI	90CRI
2700K	0.96	0.81
3000K	1	0.85
3500K	1.03	0.88
4000K	1.06	0.91
FC Formula = CBCP / Distance^2		

D75
74° DIFFUSED WITH CLEAR LENS



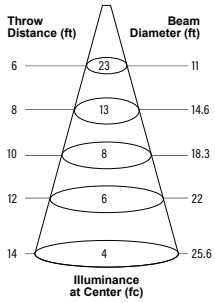
WATTS: 15.8	LPW: 93
LUMENS: 1469	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	1168
5	1156
15	1065
25	890
35	662
45	157

HE75
75° HIGH EFFICIENCY DIFFUSED LENS



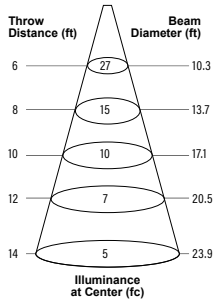
WATTS: 15.8	LPW: 97
LUMENS: 1532	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	1122
5	1107
15	995
25	809
35	577
45	284

HE85
85° HIGH EFFICIENCY DIFFUSED LENS



WATTS: 15.8	LPW: 97.9
LUMENS: 1547	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	844
5	839
15	799
25	721
35	587
45	353

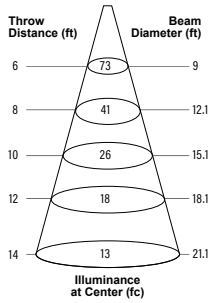
WH80
81° BRILLIANT WHITE WITH CLEAR LENS



WATTS: 15.8	LPW: 106.4
LUMENS: 1681	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	958
5	955
15	929
25	867
35	758
45	288

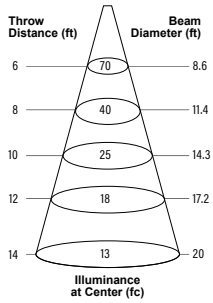
45LM		
	80CRI	90CRI
2700K	0.96	0.81
3000K	1	0.85
3500K	1.03	0.88
4000K	1.06	0.91
FC Formula = CBCP / Distance^2		

D75
74° DIFFUSED WITH CLEAR LENS



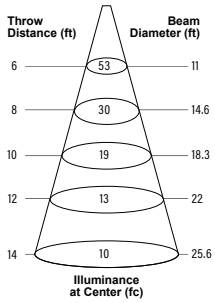
WATTS: 39	LPW: 84.8
LUMENS: 3309	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	2632
5	2604
15	2399
25	2006
35	1492
45	354

HE75
75° HIGH EFFICIENCY DIFFUSED LENS



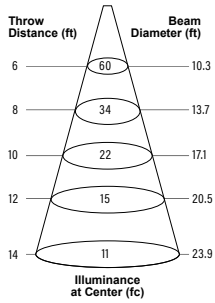
WATTS: 39	LPW: 88.5
LUMENS: 3452	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	2528
5	2493
15	2240
25	1823
35	1299
45	639

HE85
85° HIGH EFFICIENCY DIFFUSED LENS



WATTS: 39	LPW: 89.4
LUMENS: 3486	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	1901
5	1890
15	1801
25	1623
35	1323
45	796

WH80
81° BRILLIANT WHITE WITH CLEAR LENS



WATTS: 39	LPW: 97.1
LUMENS: 3786	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	2159
5	2152
15	2093
25	1952
35	1708
45	649

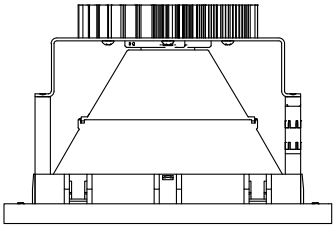
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

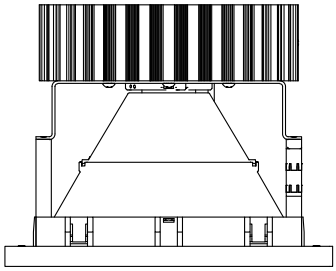
MOUNTING OPTIONS

FIXTURE HEIGHT

10LM-30LM CONFIGURATIONS

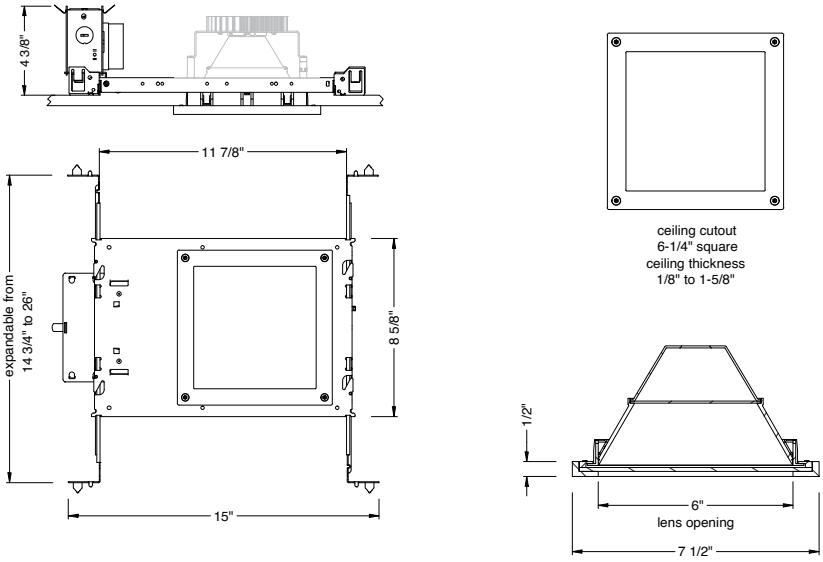


35LM-45LM CONFIGURATIONS

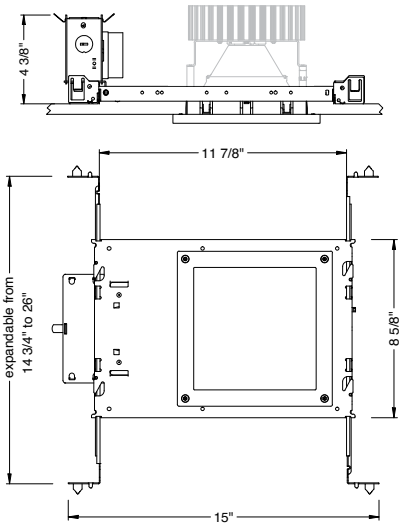


NC - NEW CONSTRUCTION

LED LIGHT ENGINE 10LM-30LM



LED LIGHT ENGINE 35LM-50LM



alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS (CONTINUED)

RATINGS / CERTIFICATIONS	NC	RET
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	NC
	CEILING THICKNESS	CEILING CUTOUT
TRIM	1/8"	6-1/4" square

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

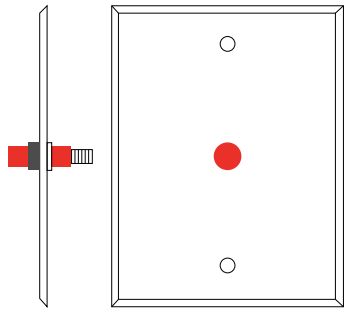
The Remote Test Switch may be mounted adjacent to the LED Fixture by others.

EMERGENCY BATTERY ACCESS

Above ceiling access is 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.

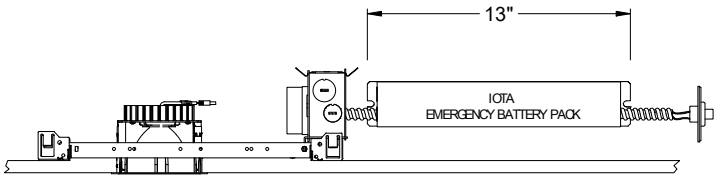


Remote Test Switch

EM MODE OUTPUT (DELIVERED LUMENS)			
LUMEN ORDERING CODE	EM7	EM10	EM12
ALL OPTIONS (10LM TO 40LM)	650LM	930LM	1000LM
Notes: Based on 30K, 80CRI			

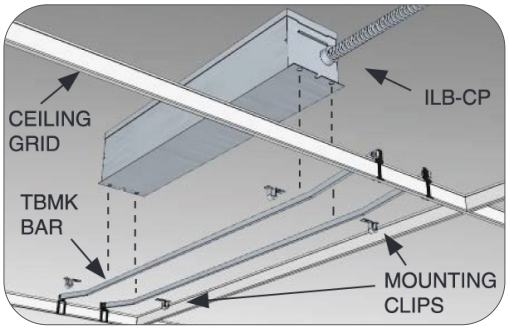
NC - NEW CONSTRUCTION

WITH EM BATTERY (REMOTE TEST SWITCH)



Accessory

76066 Optional T-Grid Mounting Kit[1]



1. Can be used with any of the Emergency Battery Backups. Must be ordered as a separate line item.

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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.