

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

NU4

4" Round Adjustable Warm Dim JA8



AT
airtight

DF
dead-front

PR
plenum rated

wet rated

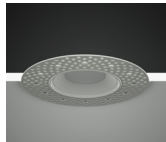


30°-35° BEAM (Note: Specifications are subject to change without notice)		
14mm DYNAMIC COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
20LM	1420LM @30K/97CRI	26W
Notes	Delivered lumens based on 35D optic with clear lens, (see page 2)	

15° - 30° BEAM (Note: Specifications are subject to change without notice)		
9mm DYNAMIC COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	670LM @30K/97CRI	13W
15LM	940LM @30K/97CRI	19W
Notes	Delivered lumens based on 30D optic with clear lens, (see page 2)	



Trim



Trimless



Trimless Millwork

FEATURES

- True 40° Tilt with <5% beam disruption (clipping)
- Zero ceiling line obstruction at Full Tilt
- Concentric Tilt Tracking ensures minimal light loss
- 1/16" micro flange
- 15° - 35° optical beam control
- UGR <5
- Multiple mounting, glare control options, trims, and finishes available

LED

- Luminus Dim-to-warm COB: 97 CRI; SDCM = 3-step MacAdam Ellipse; Lumen Maintenance: L₇₀ > 54,000 hrs
- Dim to Warm from 3000K - 1800K.

DIMMING AND CONTROLS

- Lutron Hi-lumen 2-Wire (Eco System) dimming to 1%
- Leading & trailing edge (Triac/ELV) dimming to 1%

LISTING

- 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 Listed, with lens (Non-Food and Splash Zones)
- 5 Year Limited warranty

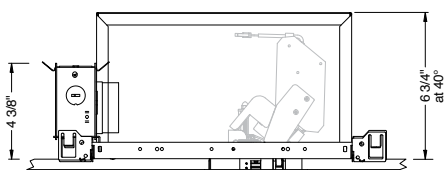
CONSTRUCTION

- Lexan™ (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 0.4" to 2.0"

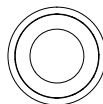
ELECTRICAL

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

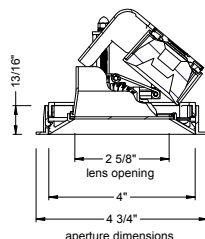
FIXTURE HEIGHT



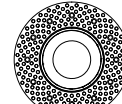
TRIMMED



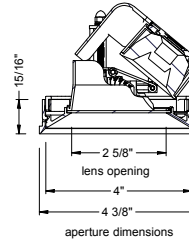
ceiling cutout
4-3/8" diameter
ceiling thickness
0.4" to 2.0"



TRIMLESS



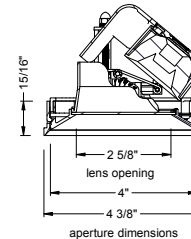
ceiling cutout
4-1/2" diameter
ceiling thickness
0.4" to 2.0"



MILLWORK



ceiling cutout
4-3/8" diameter
ceiling thickness
0.5" to 2.0"



alphabet

PROJECT INFORMATION		
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15°- 35° BEAM ORDERING CODE

SERIES	NU4	NU4			
TYPE	RA RAT RATMW	round adjustable round adjustable trimless round adjustable trimless millwork			
LED	WD	warm dim (Luminus)			
DELIVERED LUMENS	10LM¹	670 lm			
	15LM¹ 20LM²	940 lm 1420 lm			
Standard Configuration: 30D CL Calculated Delivered Lumens = [Delivered Lumen Value] x [Optic Multiplier] x [Lens Multiplier]					
CCT	3018	3000K, dim to 1800K			
		CCT at Light Level (%LF)			
		%LF	20LM	15LM	10LM
		100%	3000	3000	3000
		50%	3000	3000	2800
25%	2800	2500	2300		
10%	2200	2000	1900		
5%	1800	1800	1800		
CRI	97	97 CRI			
OPTIC & LM MULTIPLIER SEE PAGE 3	15D	15 degrees (0.92)			
	25D	25 degrees (0.96)			
	30D	30 degrees (1.00)			
	35D	35 degrees (0.97)			
TIR OPTIC ACCESSORY	NA	no accessory (1.00)			
BEZEL LENS SEE PAGE 3	CL	clear lens (1.00)			
	DL	diffused lens (0.98)			
	HET	high efficiency textured lens, similar to Solite™ (1.00)			
	SBL	smoothing beam lens (1.00)			
TRIM COLOR SEE PAGE 3	BK	black			
	WH	white			
	MC	matte chrome			
	BZ	bronze			
	WT	wheat			
Not applicable to trimless option. Do not include in trimless ordering code.					
BEZEL COLOR SEE PAGE 3	BK	black			
	WH	white			
	MC	matte chrome			
	BZ	bronze			
	WT	wheat			

15°- 35° BEAM ORDERING CODE

MOUNTING OPTIONS SEE PAGE 5	IC	insulation contact housing
VOLTAGE	120 UNV	120V 120V-277V
DIMMING	LUT	Lutron Hi-lume Ecosystem dimming to 1%, Soft-on & Fade-to-Black
	ELV1³	leading & trailing edge (Triac/ELV) dimming to 1%
ELECTRICAL OPTIONS	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:
NU4 - RA - WD - 20LM - 3018 - 97 - 30D - NA - HET - WH - WH - IC - 120 - ELV1

NOTES

- 10LM/15LM available with 15D/25D/30D optics.
- 20LM available with 30D/35D optics.
- ELV1 available in 120V.

**Warm Dim CCT values at X% are for reference. Actual CCT may vary.

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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.



OPTIC	BEAM ANGLE	UGR
15D	16.2	≤5
25D	23.2	≤5
30D	30.8	≤5



OPTIC	BEAM ANGLE	UGR
15D	36.8	14.7
25D	39.2	15.8
30D	42.6	16.6



OPTIC	BEAM ANGLE	UGR
15D	22	≤5
25D	26.4	6.7
30D	31.8	8



OPTIC	BEAM ANGLE	UGR
15D	18.2	≤5
25D	23.8	5.3
30D	31	5.6

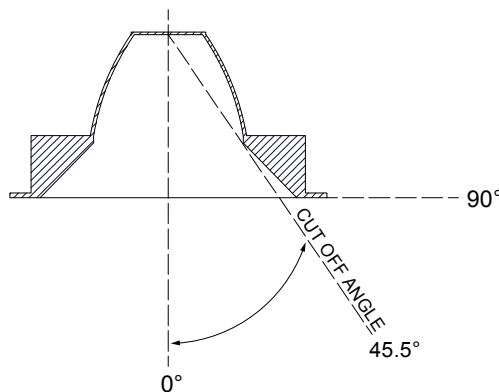
GLARE CONTROL

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 45.5 degrees;

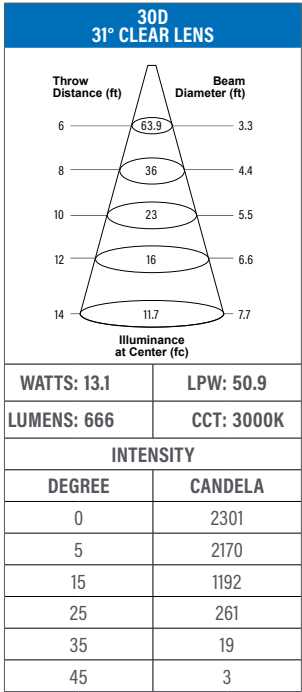
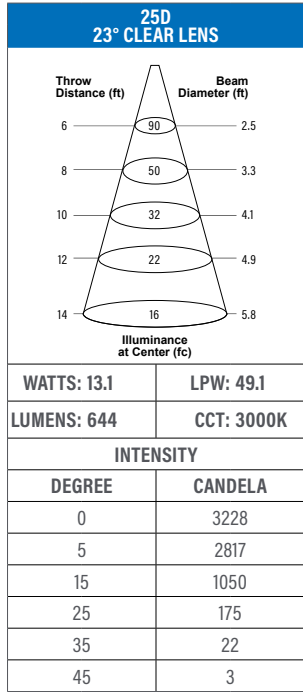
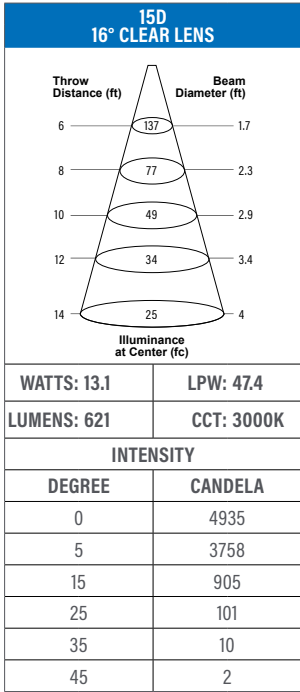


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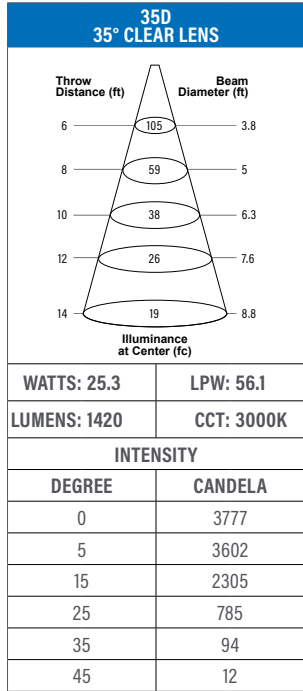
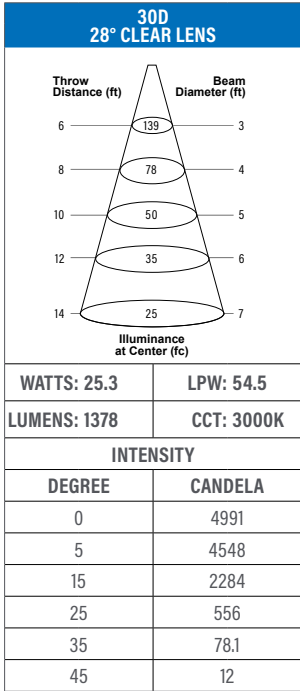
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PHOTOMETRIC DATA

10LM



20LM



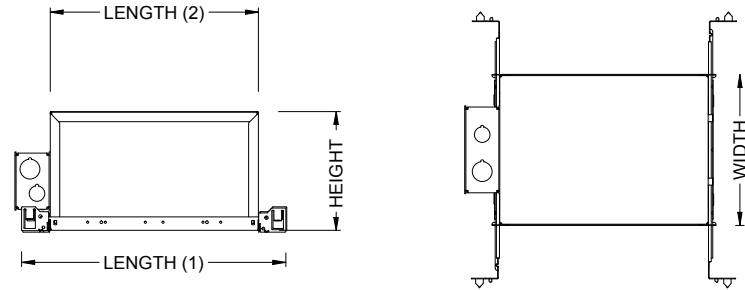
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MOUNTING OPTIONS

RATINGS / CERTIFICATIONS	IC
TYPE IC	✓
SUITABLE FOR AIR HANDLING PLENUMS	✓
REDUCED AIRFLOW (WITH LENS) ASTM E283	✓

CEILING THICKNESS	
FIXTURE TYPE	MOUNTING TYPE
	STANDARD CEILING THICKNESS
TRIM	0.4" to 1.1"
TRIMLESS	0.4" to 1.1"
MILLWORK (TRIMLESS)	0.5" to 1.1"

IC - INSULATION CONTACT HOUSING



BOX SIZE	L 1	L 2	W	H
A	15 - 7/16"	11 - 3/4"	8 - 1/2"	6 - 3/4"

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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 luminaires.

REMOTE TEST SWITCH

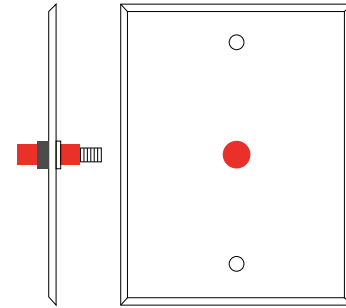
The remote test switch may be mounted adjacent to the LED Fixture by others.

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 30LM)	400LM	580LM	720LM
Notes: Based on 30K, 97CRI			

IC - INSULATION CONTACT HOUSING WITH EM BATTERY (REMOTE TEST SWITCH)

