alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

NU3 LOPRO

3" Round Downlight Warm Dim

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

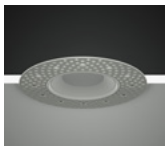
40° - 70° BEAM (Note: Specifications are subject to change without notice)		
14mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	715LM @30K/97CRI	13W
13LM	930LM @30K/97CRI	17W
20LM	1430LM @30K/97CRI	27W
Notes	Delivered lumens based on HE60 optic with CL lens, (see page 2)	

LUMINUS





Trim



Trimless



Trimless Millwork

FEATURES
- Double jointed driver box allows for 4" shallow plenum installation
- 40° - 70° optical beam control
- UGR <17
- Multiple mounting, glare control options, trims, and finishes available

DIMMING AND CONTROLS
- 0-10V dimming to 1%
- leading & trailing edge (Triac / ELV) dimming to 1%

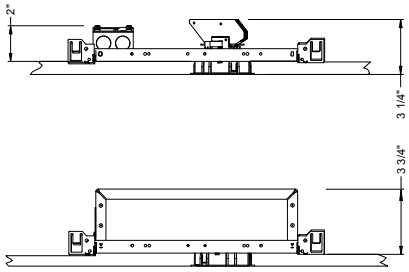
CONSTRUCTION
- Shatter proof acrylic bezel lens
- Lexan™ (PC) Optimal connectivity for wireless control signal. Impact and chemical resistant at the highest level. Withstands temperatures up to 240°F.
- Electrocoated 16-gauge cold-rolled steel construction
- Accommodates ceiling thickness from 0.4" to 2.0"

LED
- Luminus Dim-to-warm COB: 97 CRI: SDCM = 3-step MacAdam Ellipse; Lumen Maintenance: L_{70} > 54,000 hrs

LISTING
- ETLus Listed to UL1598, cETL Listed to CSA C22.2 #250.0
- IP65 with lens - Suitable for wet locations with lens - Suitable for damp locations without lens
- Non-conductive, Lexan dead-front construction
- **Declare.** - LBC Red List Approved

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)

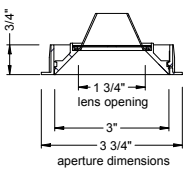
FIXTURE HEIGHT



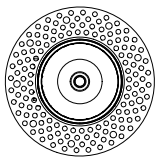
TRIMMED



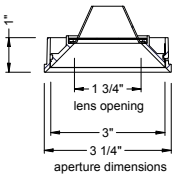
ceiling cutout
4-3/8" diameter
ceiling thickness
1/8" to 1-5/8"



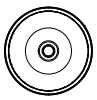
TRIMLESS



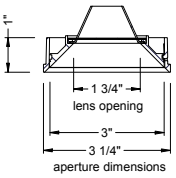
ceiling cutout
3-1/2" diameter
ceiling thickness
3/8" to 5/8"



MILLWORK



ceiling cutout
3-1/2" diameter
ceiling thickness
3/8" to 1-3/4"



100959

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			

40°- 70° BEAM ORDERING CODE

SERIES	**NU3**	NU3
TYPE	**RDLP**	round downlight lopro
	RDTLP	round downlight trimless lopro
	RDTMWLP	round downlight trimless millwork lopro
LED	**WD**	warm dim (Luminus)
DELIVERED LUMENS	**10LM**	715 lm
	13LM	930 lm
	20LM	1430 lm
	Standard Configuration: HE60	
	Calculated Delivered Lumens = [Delivered Lumen Value] x [Optic Multiplier] x [Lens Multiplier]	
CCT	**3018**[1]	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	**HE40**	40° high efficiency diffused lens	(0.97)
	HE60	60° high efficiency diffused lens	(1.00)
	D40	40° diffused with clear lens	(0.92)
	D60	60° diffused with clear lens	(0.91)
	WH70	70° brilliant white with clear lens	(0.90)
ACCESSORY SEE PAGE 3	**HCL**[2]	honeycomb louver	
	Attached to TIR optic, active		
BEZEL LENS SEE PAGE 3	**NL**[3]	no lens	
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	

40°- 70° BEAM ORDERING CODE

MOUNTING OPTIONS SEE PAGE 5, 6	**NC**	new construction with ceiling fitting plate
	IC[4]	insulation contact housing
	RET	retrofit, no ceiling fitting plate
VOLTAGE	**120**	120V
	UNV	120V-277V
DIMMING	**DIM10**	0-10V dimming
	ELV1[5]	leading & trailing edge (Triac/ELV) dimming to 1%
ELECTRICAL OPTIONS	**EM7**	emergency battery backup, 90 minutes at 7W to LED
	EM12[6]	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:

NU3 - RDLP - WD - 13LM - 3018 - 97 - HE40 - HCL - NL - WH - WH - NC - 120 - DIM10 - EM7

Power Factor ≥ 0.9

NOTES

1. Values shown are for reference only. Actual CCT may vary.
2. HCL not available with lens. Multiply delivered lumens by (0.78) and beam spread by (0.80) when honeycomb louver is chosen.
3. NL option does not meet requirement for dead-front, airtight, wet and NSF. Its damp location only.
4. IC not available in 20LM.
5. Triac/ELV dimming available in 120V only.
6. EM12 not available in 10LM.

100959

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

TRIM OPTIONS

TRIM/BEZEL COLORS



WH MC BK BZ WT

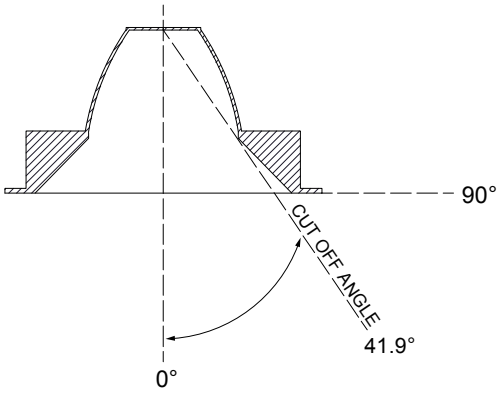
GLARE CONTROL

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 41.9 degrees;



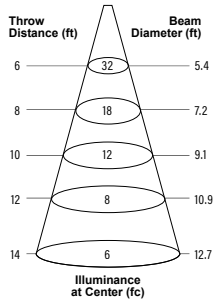
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alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA

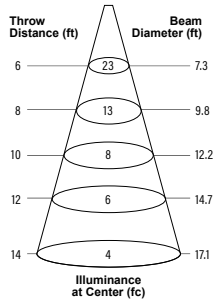
HE40
49° HIGH EFFICIENCY DIFFUSED LENS



WATTS: 17	LPW: 57.6
LUMENS: 979	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	1153
5	1117
15	876
25	556
35	302
45	146

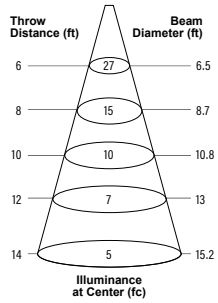
HE60
63° HIGH EFFICIENCY DIFFUSED LENS



WATTS: 17	LPW: 57.8
LUMENS: 982	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	817
5	802
15	698
25	526
35	346
45	194

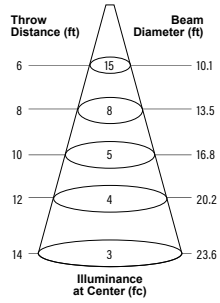
D60
57° DIFFUSED WITH CLEAR LENS



WATTS: 17	LPW: 51.2
LUMENS: 870	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	969
5	948
15	799
25	579
35	296
45	97

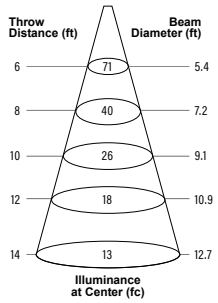
WH70
80° BRILLIANT WHITE WITH CLEAR LENS



WATTS: 17	LPW: 52.9
LUMENS: 899	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	534
5	530
15	492
25	417.285
35	319
45	214

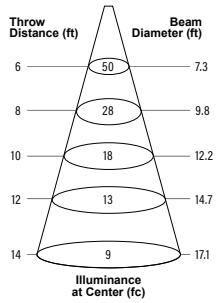
HE40
49° HIGH EFFICIENCY DIFFUSED LENS



WATTS: 39	LPW: 55.8
LUMENS: 2175	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	2562
5	2483
15	1948
25	1235
35	671.605
45	324

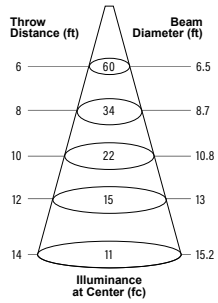
HE60
63° HIGH EFFICIENCY DIFFUSED LENS



WATTS: 39	LPW: 56
LUMENS: 2183	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	1815
5	1783
15	1550
25	1169
35	768
45	432.185

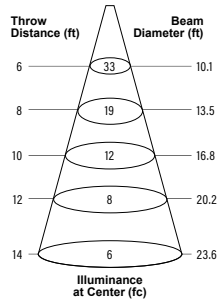
D60
57° DIFFUSED WITH CLEAR LENS



WATTS: 39	LPW: 49.6
LUMENS: 1933	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	2154
5	2106
15	1775
25	1286
35	658
45	215

WH70
80° BRILLIANT WHITE WITH CLEAR LENS



WATTS: 39	LPW: 51.2
LUMENS: 1998	CCT: 3000K

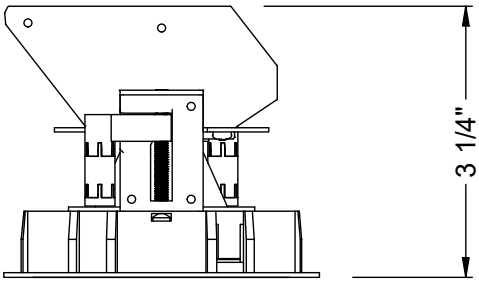
INTENSITY	
DEGREE	CANDELA
0	1186
5	1179
15	1093
25	927.3
35	710
45	476

alphabet

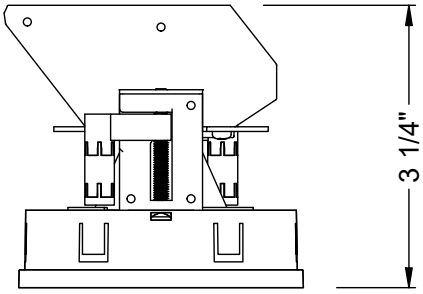
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

FIXTURE HEIGHT



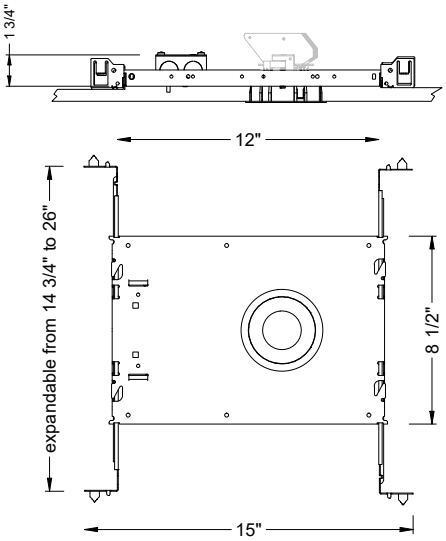
TRIMMED



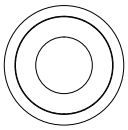
TRIMLESS & MILLWORK

NC - NEW CONSTRUCTION

TRIM

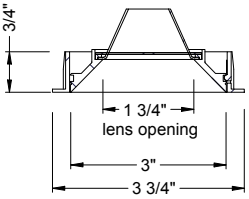


TRIM



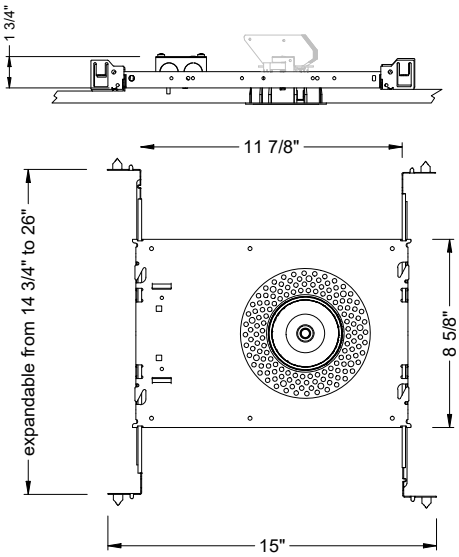
ceiling cutout
4-3/8" diameter

ceiling thickness
1/8" to 1-5/8"

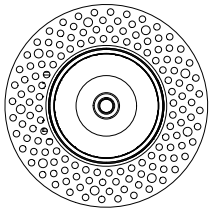


aperture dimensions

TRIMLESS

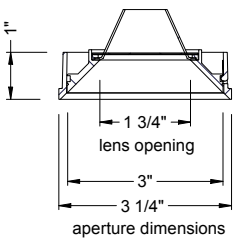


TRIMLESS



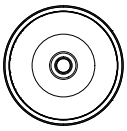
ceiling cutout
3-1/2" diameter

ceiling thickness
3/8" to 5/8"



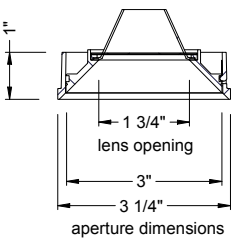
aperture dimensions

TRIMLESS/MILLWORK



ceiling cutout
3-1/2" diameter

ceiling thickness
3/8" to 1-3/4"



aperture dimensions

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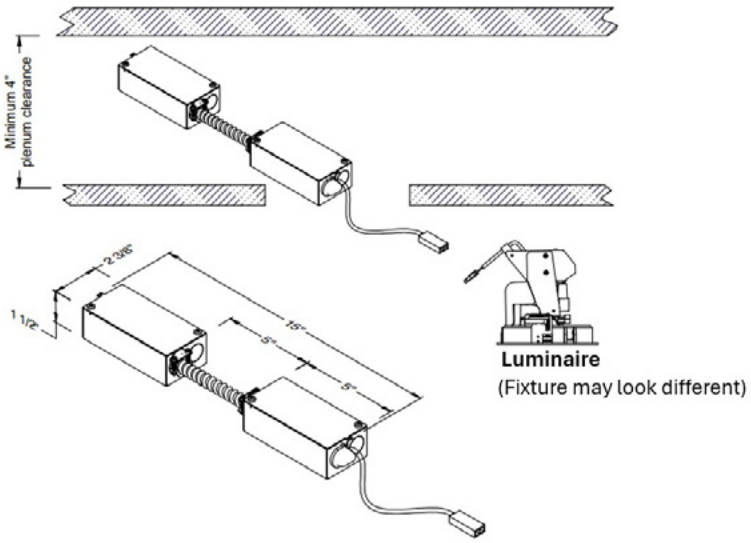
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alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

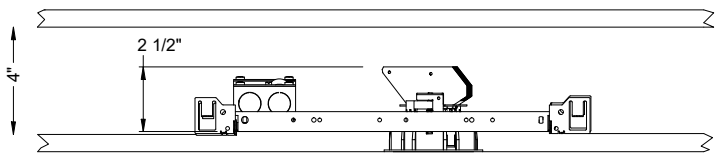
MOUNTING OPTIONS (CONTINUED)

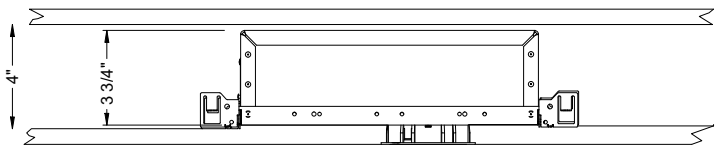
RET - RETRO
TRIM/TRIMLESS



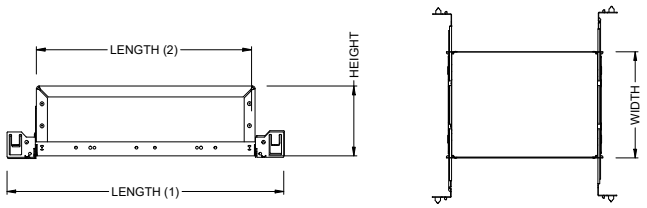
RATINGS / CERTIFICATIONS	NC	RET	IC
TYPE NON-IC	✔	✔	
TYPE IC			✔
CHICAGO PLENUM (CCEA)			
SUITABLE FOR AIR HANDLING PLENUMS	✔	✔	✔
REDUCED AIRFLOW (WITH LENS) ASTM E283	✔	✔	✔

CEILING THICKNESS	
FIXTURE TYPE	MOUNTING TYPE
	NC, IC, RET
	STANDARD CEILING THICKNESS
TRIM	1/8" to 1-1/4"
TRIMLESS	3/8" to 1-3/4"
MILLWORK (TRIMLESS)	1/2" to 1-3/4"





IC - INSULATION CONTACT HOUSING



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

BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS (40° - 70°)	
LUMEN OUTPUT	BOX - A
	IC
10LM	✔
15LM	✔
20LM	✔

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

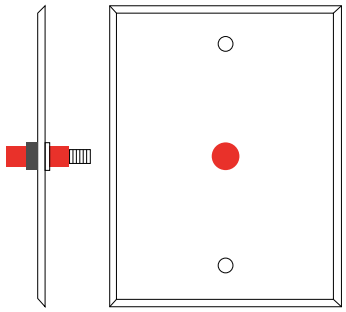
The Remote Test Switch may be mounted adjacent to the LED Fixture by others.

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

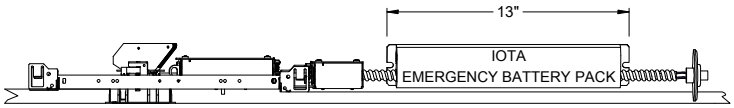
Maximum remote mounting distance of the emergency driver shall be 50 feet. Remote location wiring provided by others. Follow all Local and National Electric/ Building Codes.



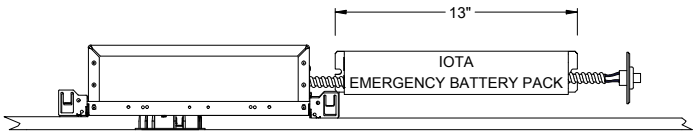
Remote Test Switch

EM MODE OUTPUT (DELIVERED LUMENS)			
LUMEN ORDERING CODE	EM7	EM10	EM12
ALL OPTIONS (10LM TO 20LM)	385LM	550LM	656LM
Notes: Based on 30K, 97CRI			

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

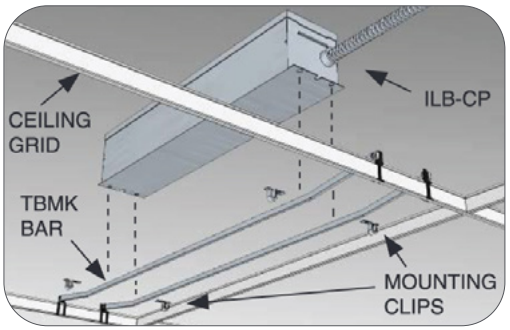


IC - INSULATION CONTACT HOUSING
WITH EM BATTERY (REMOTE TEST SWITCH)



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.

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.