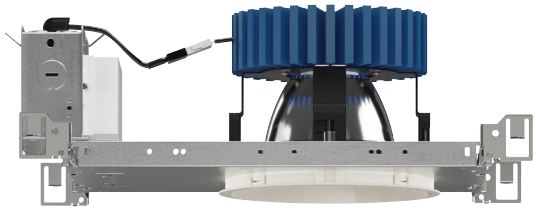
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

NU6

6" Round Downlight Standard White

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





Trim

12° - 75° BEAM (Note: Specifications are subject to change without notice)		
14mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	**NOMINAL DELIVERED LUMENS**	**SYSTEM WATTAGE**
10LM	1010LM @30K/80CRI	9W
15LM	1510LM @30K/80CRI	12W
20LM	1990LM @30K/80CRI	16W
25LM	2470LM @30K/80CRI	20W
30LM	2940LM @30K/80CRI	24W
35LM	3500LM @30K/80CRI	29W
40LM	4050LM @30K/80CRI	35W
45LM	4480LM @30K/80CRI	40W
10LM	860LM @30K/90CRI	9W
15LM	1280LM @30K/90CRI	12W
20LM	1690LM @30K/90CRI	16W
25LM	2100LM @30K/90CRI	20W
30LM	2490LM @30K/90CRI	24W
35LM	2970LM @30K/90CRI	29W
40LM	3440LM @30K/90CRI	35W
45LM	3810LM @30K/90CRI	40W
Notes	Delivered lumens based on 60D optic with no lens, (see page 2)	

FEATURES
- Thermally optimized for longevity
- 1-1/8" bezel regress with 1/16" micro flange
- 12° to 110° optical beam control
- UGR <12
- Glare control, specialty optics, trim options, and custom finishes available
- 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%
- Lutron Hi-lume 1% 3-wire/Ecosystem
- Leading & trailing edge (Triac/ELV) dimming to 1%
- Casambi dimming to 1%
- NLight control interface dimming to 0%

CONSTRUCTION
- Lexan™ (PC) highly resistant to impact and heat (240°F)
- Optimal material for wireless signal connectivity
- Shatter proof acrylic bezel lens
- Electrocoated 16-gauge cold-rolled steel construction
- Accommodates ceiling thickness from 1/8" to 1-1/4"

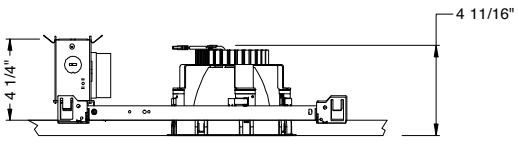
LED
- 90 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L_{70} > 66,000 hrs
- 80 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L_{70} > 66,000 hrs

LISTING
- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- IP65 with lens - Suitable for wet locations with lens - Suitable for damp locations without lens
- Non-conductive, dead-front construction (shower approved)
- NSF/ANSI-2 with lens (Non-Food and Splash Zones)
- **Declare.** - LBC Red List Approved
- 5 Year Limited warranty

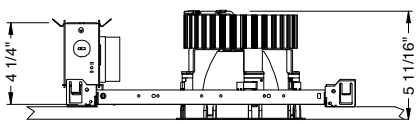
ELECTRICAL
- 120V-277V, 120 only Triac / ELV
- Power factor ≥ 0.9
- 2kV driver input surge protection
- Remote and Integral (ITS) emergency test switch
- 7W, 10W (T20 CEC) and 12W EM 90min battery
- Max. ambient installation temperature 95°F (35°C)
- Low Voltage Luminaire option, see page 8.

FIXTURE HEIGHT

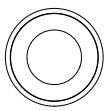
10LM-30LM LOW LUMEN



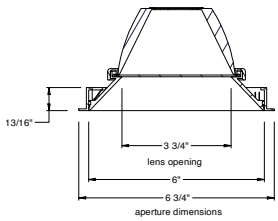
35LM-45LM HIGH LUMEN



TRIMMED (STANDARD)



ceiling cutout
6 3/8" diameter
ceiling thickness
1/8" to 1-1/4"



100173

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			

ORDERING CODE

SERIES	**NU6**	NU6
TYPE	**RD**	round downlight
LED	**SW**	standard white
DELIVERED LUMENS	**10LM**	1010 lm
	15LM	1510 lm
	20LM	1990 lm
	25LM	2470 lm
	30LM	2940 lm
	35LM	3500 lm
	40LM	4050 lm
	45LM	4480 lm
	Standard Configuration: 3000K 80CRI 60D Optic **Calculated Delivered Lumens** = [Delivered Lumen Value] x [CCT Multiplier] x [Reflector Multiplier]	
CCT	**27K**	2700K
	30K	3000K
	35K	3500K
	40K	4000K
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)
ACCESSORY	**HCL**[1]	honeycomb louver (0.75)
	Attach to bezel	
BEZEL LENS SEE PAGE 3	**NL**[2]	no lens (1.05)
	CL	clear lens (1.01)
	DL	diffused lens (0.98)
	E	elliptical lens, 30° X 60° (0.97)
	HET	high efficiency textured lens, similar to Solite™ (1.00)
	SBL	smoothing beam lens (1.00)
	WDL	wide diffused lens* (0.90)
	*Wide diffusing lens achieves beams ≥ 90° Ref. page 3	
TRIM COLOR SEE PAGE 3	**BK**	black
	WH	white
	MC	matte chrome
	BZ	bronze
	CC[3]	custom color, consult factory for details
	Antimicrobial finish, add **AM** to black, white or matte chrome i.e. BKAM.	
BEZEL COLOR SEE PAGE 3	**BK**	black (0.98)
	WH	white (1.00)
	MC	matte chrome (0.99)
	BZ	bronze (0.98)
	CC[3]	custom color, consult factory for details
	Antimicrobial finish, add **AM** to black, white or matte chrome i.e. BKAM.	

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

ORDERING CODE

MOUNTING OPTIONS SEE PAGE 6, 7	**NC**	new construction plate
	IC[4]	insulation contact housing
	ICAT[4]	insulation contact/airtight housing
	CP[4]	chicago plenum housing
	RET	retrofit, no ceiling plate
VOLTAGE	**120**	120V
	UNV	120V-277V
	LVL[5]	low voltage luminaire
DIMMING	**DIM10**	eldoLED flicker free 0-10V dim to 1%
	DIM10Z	eldoLED flicker free 0-10V dim 0.1%
	DALI	eldoLED flicker free DALI-2 dim to 1%
	DALIZ	eldoLED flicker free DALI-2 dim to 0.1%
	DMX-RJ45	DMX control dimming to 0.1% with RJ45 connection
	DMX-WL	DMX-512/RDM dim to 0% with lead wire input
	DMX-XLR	DMX-512/RDM dim to 0% with XLR input
	LUT[6]	Lutron Hi-lume Ecosystem dimming to 1%, Soft-on & Fade-to-Black
	LUTP[7]	Lutron Hi-Lume Eco (fade) dim to 0.1%
	ELV1[8]	leading edge & trailing edge (Triac/ELV) dim to 1%
	CAS	Casambi control with flicker free 1% dimming
	NLT	nLight control interface: Cat-5/RJ45, dim to off
	L3DA	Lutron Hi-lume 1% 3-wire/Ecosystem
	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**[9]	remote emergency battery, 90 min at 7W
	EM12[9]	remote emergency battery, 90 min at 12W
	EM10CA20[9]	remote emergency battery, 90 min at 10W

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 - RD - SW - 30LM - 35K - 90 - 20D - SBL - WH - WH - NC - 120 - DIM10 - EM7

NOTES

1. HCL not available with lens. Multiplier: Delivered Lumens (0.78) / Beam Spread (0.80).
2. NL option does not meet requirement for AT/DF/WET/NSF listings.
3. Custom set up fee plus minimum quantity required per color.
4. IC/ICAT/CP not available in 45LM.
5. Must select ND dimming code, for remote driver or POE specifications see page 8.
6. LUT not available in 45LM.
7. LUTP not available in 25LM/30LM/35LM/40LM/45LM.
8. ELV1 available in 120V.
9. For integrated test switch add "ITS" after emergency backup code, i.e. EM12ITS. Not available in LVL/ND voltage and dimming codes.

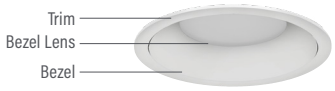
* EldoLED and DMX uses logarithmic dimming curve as standard. For linear dimming curve, add "LIN" after dimming code, i.e. DIM10LIN.

100173

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

TRIM OPTIONS

TRIM/BEZEL COLORS



WH



MC



BK



BZ

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.

HCL

Honeycomb Louver



OPTIC	BEAM ANGLE	UGR
12D	12.6	9.4
20D	21	9.6
35D	32	10.1
50D	43	12.1
60D	53	13.6
75D	67	14.9

CL

Clear Lens



OPTIC	BEAM ANGLE	UGR
12D	12.8	12.5
20D	21	12.6
35D	35	12.9
50D	50	14.7
60D	65	16.2
75D	76	20.4

HET

High Efficiency Textured Lens



OPTIC	BEAM ANGLE	UGR
12D	14	12.2
20D	25	12.9
35D	36	13.6
50D	50	15.3
60D	62	16.7
75D	77	20.4

NL

No Lens



OPTIC	BEAM ANGLE	UGR
12D	12.8	12.8
20D	22	12.9
35D	35	13.1
50D	49	14.6
60D	62	16
75D	76	20.4

SBL

Smoothing Beam Lens



OPTIC	BEAM ANGLE	UGR
12D	14	12.2
20D	22	12.4
35D	35	12.9
50D	50	14.8
60D	64	16.2
75D	76	20.2

WDL

Wide Diffused Lens



OPTIC	BEAM ANGLE	UGR
12D	88	21.3
20D	92	21.6
35D	97	22.1
50D	104	23.2
60D	106	23.6
75D	109	23.9

DL

Diffused Lens



OPTIC	BEAM ANGLE	UGR
12D	34	15.8
20D	40	16.2
35D	48	17
50D	57	18.4
60D	65	19.3
75D	82	21.5

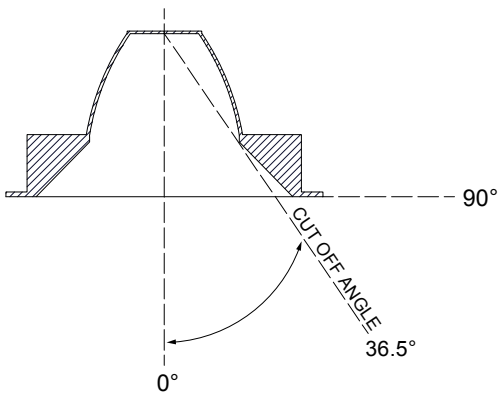
GLARE CONTROL

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 is 36.5° degrees;



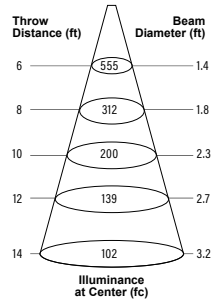
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA

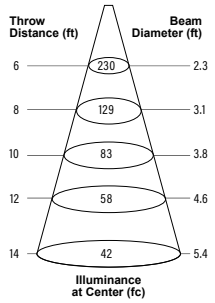
20LM		
	80CRI	90CRI
2700K	0.96	0.81
3000K	1	0.85
3500K	1.03	0.88
4000K	1.06	0.91
FC Formula = CBCP / Distance^2		

12D 12.8° WITH NO LENS



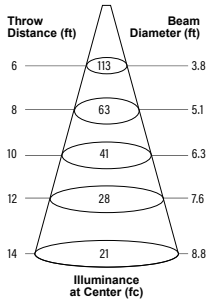
WATTS: 15.8	LPW: 121.3
LUMENS: 1917	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	19996
5	13714
15	1009
25	692
35	566
45	1

20D 22° WITH NO LENS



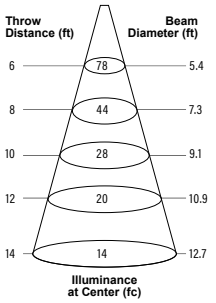
WATTS: 15.8	LPW: 120.9
LUMENS: 1911	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	8285
5	7250
15	2160
25	726
35	588
45	1

35D 35° WITH NO LENS



WATTS: 15.8	LPW: 119.8
LUMENS: 1892	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	4052
5	4038
15	2567
25	1002
35	600
45	2

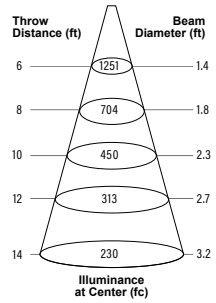
50D 49° WITH NO LENS



WATTS: 15.8	LPW: 124.4
LUMENS: 1966	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	2810
5	2819
15	2318
25	1357
35	693
45	20

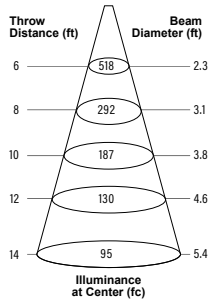
45LM		
	80CRI	90CRI
2700K	0.96	0.81
3000K	1	0.85
3500K	1.03	0.88
4000K	1.06	0.91
FC Formula = CBCP / Distance^2		

12D 12.8° WITH NO LENS



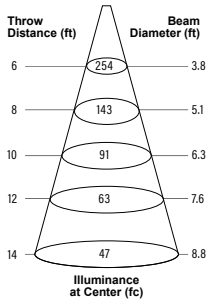
WATTS: 40	LPW: 108
LUMENS: 4319	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	45042
5	30892
15	2273
25	1558
35	1276
45	2

20D 22° WITH NO LENS



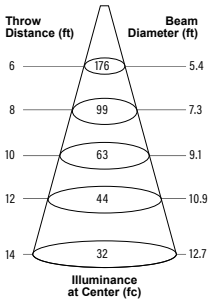
WATTS: 40	LPW: 107.6
LUMENS: 4304	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	18662
5	16330
15	4865
25	1635
35	1324
45	3

35D 35° WITH NO LENS



WATTS: 40	LPW: 106.6
LUMENS: 4262	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	9126
5	9096
15	5783
25	2257
35	1351
45	4

50D 49° WITH NO LENS



WATTS: 40	LPW: 110.7
LUMENS: 4428	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	6329
5	6349
15	5222
25	3056
35	1562
45	45

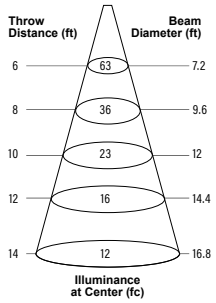
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA

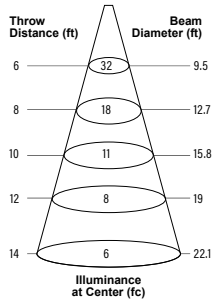
20LM		
	80CRI	90CRI
2700K	0.96	0.81
3000K	1	0.85
3500K	1.03	0.88
4000K	1.06	0.91
FC Formula = CBCP / Distance^2		

60D
62° WITH NO LENS



WATTS: 15.8	LPW: 126
LUMENS: 1990	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	2276
5	2259
15	1998
25	1442
35	860
45	50

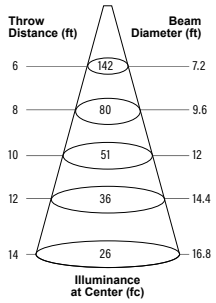
75D
76° WITH NO LENS



WATTS: 15.8	LPW: 114.7
LUMENS: 1812	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	1146
5	1140
15	1098
25	1017
35	853
45	252

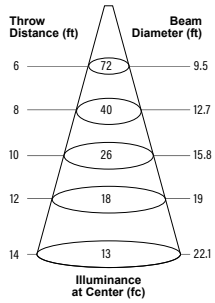
45LM		
	80CRI	90CRI
2700K	0.96	0.81
3000K	1	0.85
3500K	1.03	0.88
4000K	1.06	0.91
FC Formula = CBCP / Distance^2		

60D
62° WITH NO LENS



WATTS: 40	LPW: 112.1
LUMENS: 4483	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	5126
5	5089
15	4500
25	3249
35	1936
45	112

75D
76° WITH NO LENS



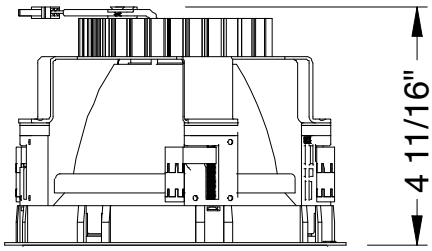
WATTS: 40	LPW: 102
LUMENS: 4081	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	2582
5	2569
15	2473
25	2290
35	1922
45	567

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

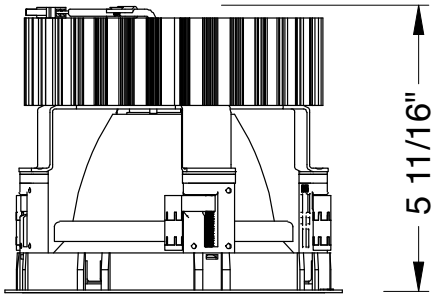
FIXTURE HEIGHT

10LM-30LM LOW LUMEN



TRIMMED

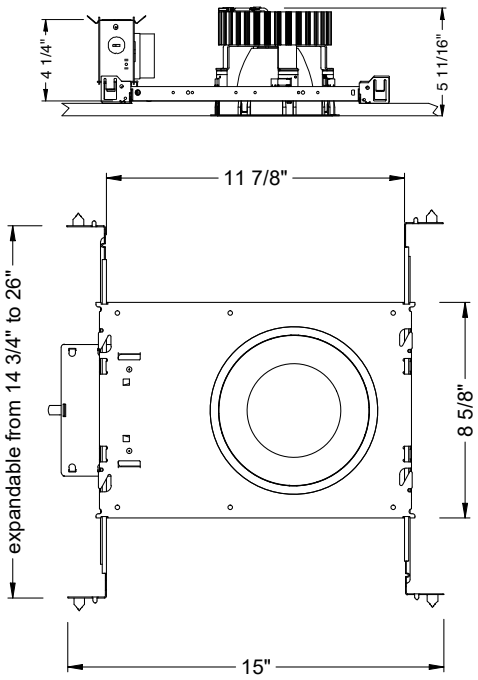
35LM-45LM HIGH LUMEN



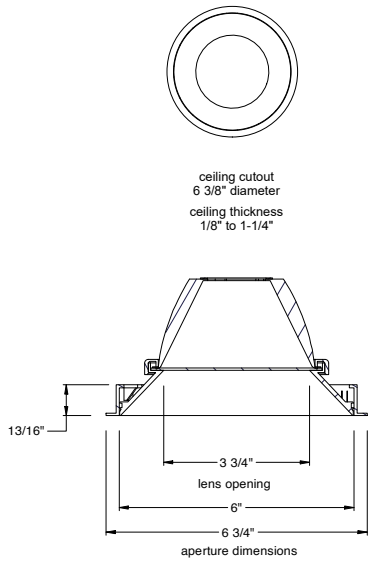
TRIMMED

NC - NEW CONSTRUCTION

TRIM



TRIMMED (STANDARD)

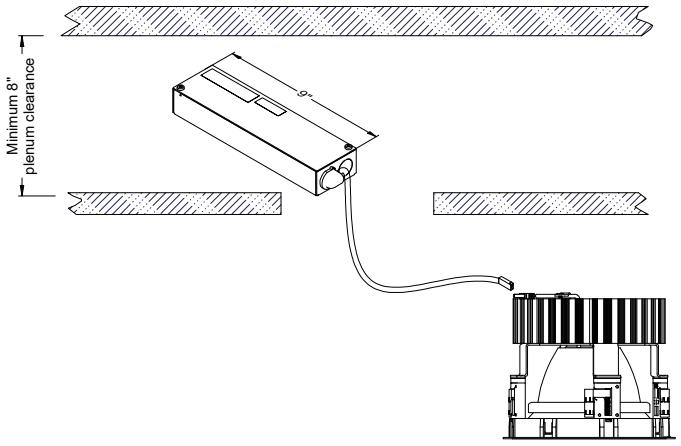


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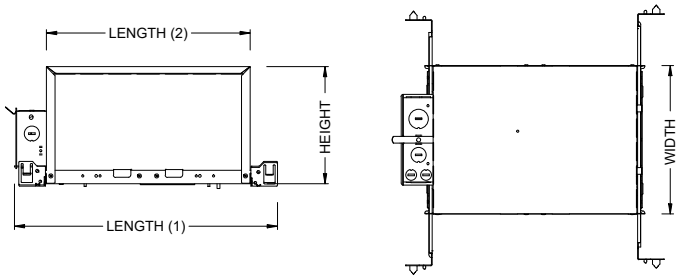
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS (CONTINUED)

RET - RETRO
TRIM/TRIMLESS



IC - INSULATION CONTACT HOUSING
ICAT - INSULATION CONTACT / AIR TIGHT
CP - CHICAGO PLENUM



BOX SIZE	L 1	L 2	W	H
A	15 - 7/16"	11 - 3/4"	8 - 1/2"	11 - 3/4"
B	18 - 1/4"	14 - 7/8"	12 - 1/8"	14 - 7/8"
C	15 - 7/16"	11 - 3/4"	8 - 1/2"	11 - 3/4"

RATINGS / CERTIFICATIONS	NC	RET	IC	ICAT	CP
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, ICAT, CP, RET
	STANDARD CEILING THICKNESS
TRIM	1/8" to 1-1/4"

BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS (12° - 75°)			
LUMEN OUTPUT	BOX-B		
	CP	IC	ICAT
10LM	✔	✔	✔
15LM	✔	✔	✔
20LM	✔	✔	✔
25LM	✔	✔	✔
30LM	✔	✔	✔
35LM	✔	✔	✔
40LM	✔	✔	✔
45LM			

alphabet

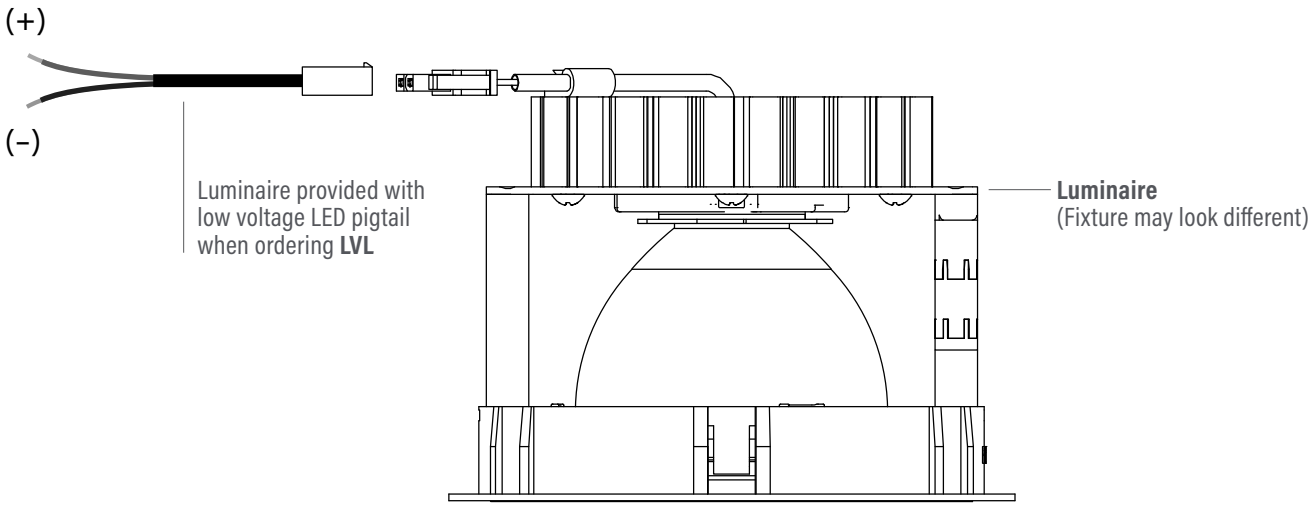
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

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	1010LM @30K/80CRI	200mA	8W
15LM	1510LM @30K/80CRI	300mA	11W
20LM	1990LM @30K/80CRI	400mA	15W
25LM	2470LM @30K/80CRI	500mA	18W
30LM	2940LM @30K/80CRI	600mA	22W
35LM	3500LM @30K/80CRI	725mA	26W
40LM	4050LM @30K/80CRI	850mA	31W
45LM	4480LM @30K/80CRI	950mA	35W
10LM	860LM @30K/90CRI	200mA	8W
15LM	1280LM @30K/90CRI	300mA	11W
20LM	1690LM @30K/90CRI	400mA	15W
25LM	2100LM @30K/90CRI	500mA	18W
30LM	2490LM @30K/90CRI	600mA	22W
35LM	2970LM @30K/90CRI	725mA	26W
40LM	3440LM @30K/90CRI	850mA	31W
45LM	3810LM @30K/90CRI	950mA	35W

NOMINAL LED VOLTAGE: 36VDC

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



100173

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

BATTERY OPTIONS

EMERGENCY BATTERY

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.

INTEGRATED TEST SWITCH

The integrated test switch mounted onto fixture bezel.

REMOTE TEST SWITCH

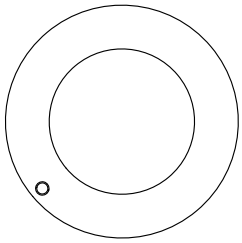
The Remote Test Switch may be mounted adjacent to the LED Fixture by others.

EMERGENCY BATTERY ACCESS

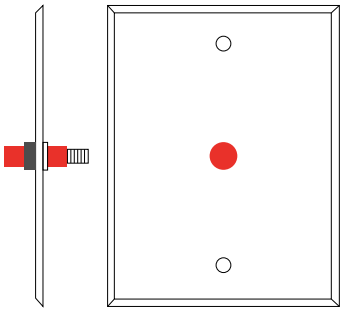
Above ceiling access is recommended for ease of service, but LED Fixture Sizes of 4" and Larger are capable of below ceiling access. IC/ICAT/CP Box and ITS option require an access panel in the ceiling (or other form of access) adjacent to the installation location of the Emergency Battery.

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.



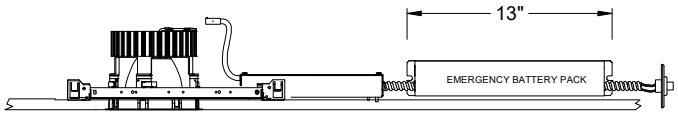
Integrated Test Switch



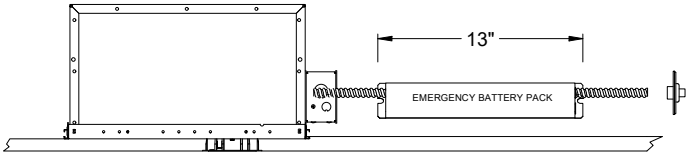
Remote Test Switch

EM MODE OUTPUT (DELIVERED LUMENS)			
LUMEN ORDERING CODE	EM7	EM10	EM12
ALL OPTIONS (45LM TO 10LM)	1167LM	1571LM	1885LM
Notes: Based on 30K, 80CRI			

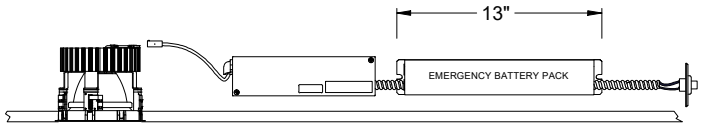
NC - NEW CONSTRUCTION
WITH EM BATTERY (REMOTE TEST SWITCH)



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

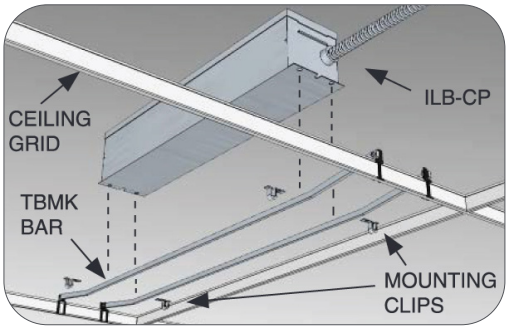


RET - RETROFIT
WITH EM BATTERY (REMOTE TEST SWITCH)



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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