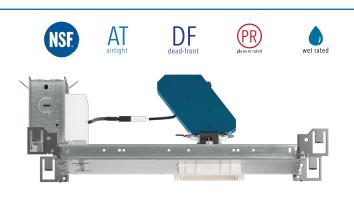
## NU3

## **3" Square Downlight Standard White**









**DIMMING AND CONTROLS** 

• Lutron Hi-lume 0.1% Ecosystem

Casambi bluetooth dimming to 1.0%

NLight control interface dimming to 0%

- Lutron athena wireless node

LISTING



LED LIGHT

ENGINE

10LM

60° - 80° BEAM

(Note: Specifications are subject to change without notice) 14mm COB PERFORMANCE DATA

NOMINAL DELIVERED

LUMENS

855LM @30K/80CRI

اله eldoLED LUTRON 0EM nLight



### **FEATURES**

- 3/4" bezel regress with 1/16" micro flange
- 60°- 80° optical beam control
- UGR < 21
- Up to 103 LPW
- Glare control, specialty optics, trim options, and custom finishes available
- · Microban<sup>®</sup> antimicrobial finish available on all exposed painted surfaces

## LED

- 90 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L<sub>70</sub> > 66,000 hrs
- 80 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L<sub>70</sub> > 66.000 hrs
- . IP65 with lens Suitable for wet locations with lens Suitable for damp locations without lens

ULus Listed to UL1598 & UL2108: cUL Listed to CSA C22.2 #250.0

eldoLED flicker free 0-10V dimming to 0% and 1%

- eldoLED flicker free DALI dimming to 0% and 1%

. Leading & trailing edge (Triac/ELV) dimming to 1%

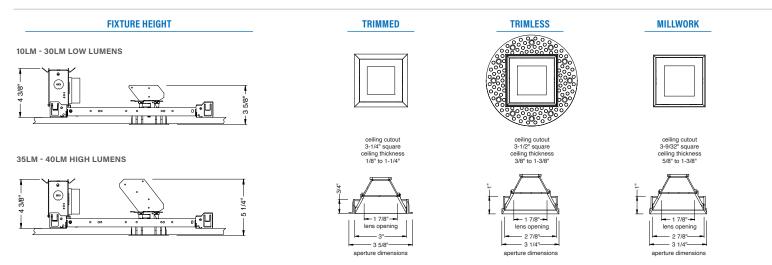
- Non-conductive, dead-front construction (shower approved)
- NSF/ANSI-2 with lens (Non-Food and Splash Zones)
- 5 Year Limited warranty

### CONSTRUCTION

- Lexan<sup>™</sup> (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 1/8" to 1-3/8"

### **ELECTRICAL**

- 120V-277V, 120 only Triac / ELV
- Power factory  $\geq 0.9$
- 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)



Alphabet by Ledra Brands, Inc. 88 Maxwell Irvine, CA 92618 PH: 714.259.9959 FAX: 714.259.9969 AlphabetLighting.com

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.

PROJECT INFORMATION						
JOB NAME		ТҮРЕ				
ORDERING CODE						

SYSTEM WATTAGE

9W

12W

16W

20W

24W

28W

32W

9W

12W

16W

20W

24W

28W

32W

PROJECT INFORMATION						
JOB NAME		ТҮРЕ				
ORDERING CODE						

CCT         Stork         S		60	°- 80° BEA	M ORDERING	COD	E							
TYPE         QUT         square downlight trimless           LED         SW         standard white           DELIVERED         SW         standard white           DELIVERED         15LM         1200 lm         Standard Configuration: 300K 80CRI WH80           Calculated Delivered Lumens = (Delivered Lumen Value) x [CCT Multiplier] x [Reflect Multiplier]         CCT         270K         270K         270K         300K         GCT Multiplier] x [Reflect Multiplier] x [Reflect Multiplier]           OPTIC & 40K         80         80 CRI         90	SERIES	NU3	NU3										
QDTMW         square downlight trimless millwork           LED         SW         standard white           IOLM         855 lm           IOLM         855 lm           IOLM         855 lm           20LW         1600 lm           20LM         1600 lm           20LM         2060 lm           30LM         2450 lm           35LM         2850 lm           40LM         3190 lm           Standard Configuration: 3000K 80CRI WH80         300K         300K           CCT         30K         3000K         CCT Multiplier] x [Reflect Multiplier]           CCT         30K         3000K         CCT Multiplier for as as is to a as to a		QD	square d	square downlight									
LED         SW         standard white           IOLM         855 lm           IOLM         855 lm           ISLM         1200 lm           20LW         1600 lm           20LM         1600 lm           20LM         2060 lm           30LM         2450 lm           35LM         2850 lm           40LM         3190 lm           Standard Configuration: 3000K 80CRI WH80           Cclouleted Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Reflect Multiplier]           CCT         30K         3000K           35K         3500K         3000K           40K         4000K           CRI         80         80 CRI           90         90 CRI         0.95 0.81 100 0.85 103 0.88 105 0.5           MULTIPLIER SEE PAGE 3         RE60         60° high efficiency diffused lens         (0.97 0.97 °° diffused with clear lens         (0.97 0.97 °° diffused with clear lens         (0.97 0.97 °° diffused with clear lens         (1.00)           BEZEL LENS SEE PAGE 3         NL <sup>12</sup> no lens         (1.00)           BC 30 °° brilliant white with clear lens         (1.00)           SEE PAGE 3         BK         black           WH         white         ctar cust	ТҮРЕ	QDT	square d	ownlight trimle	ess								
DELL         Deficiency         Deliver           DELLVERED LUMENS         10LM         855 lm           20LM         1600 lm           20LM         1600 lm           25LM         2060 lm           30LM         2450 lm           30LM         2450 lm           30LM         2450 lm           40LM         3190 lm           Standard Configuration: 3000K 80CRI WH80 Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Reflect Multiplier]           CCT           30K         3000K           30K         3000K           30K         3000K           27KK         2700K           30K         3000K           30K         3000K           30K         3000K           27K         2700K           2700K         000K           27K         300K           30K         3000K           00K         300K           30K         3000K           100         80           80         80 CRI           90         90 CRI           HE60         60° high efficiency diffused lens           0.97         70° diffused		QDTMW	square d										
DELIVERED LUMENS         15LM         1200 lm           20LM         1600 lm         20LM         200 lm           30LM         2450 lm         30LM         2450 lm           35LM         2850 lm         40LM         3190 lm           Standard Configuration: 3000K 80CRI WH80 Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Reflect Multiplier]           CCT         27K         2700K         CCT         200 m         3000K         3000K         400K           CCT         30K         3000K         20CT         100 0.85 0.03 0.88 0.69         400K           CCT         30K         3000K         3000K         CCT         100 0.85 0.03 0.88 0.69         400K           OPTIC & 40K         40K         400K         40K         400K         0.99         0.91           HE60         60° high efficiency diffused lens         0.0.93         0.03         0.93         0.97           WH80         80° brilliant white with clear lens         (0.00)           BEZEL LENS SEE PAGE 3         NL <sup>12</sup> no lens         (1.00)           SEE PAGE 3         BK         black         WH           WT         <	LED	SW	standard	white									
DELIVERED LUMENS         ACC Image: Constraint of the second		10LM	855 lm										
DELIVERED LUMENS         25LM         2060 lm           30LM         2450 lm         35LM         2850 lm           40LM         3190 lm         35LM         2850 lm           5tandard Configuration: 3000K 80CRI WH80         Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Reflect Multiplier]           CCT         30K         3000K         CCT         2700K         3000K         4000K           CCT         30K         3000K         CCT         2700K         3000K         4000K           CCT         30K         3000K         CCT         2700K         3000K         4000K           CRI         80         80 CRI         90         90 CRI         90         90 CRI           MULTIPLIER SEE PAGE 3         HE60         60° high efficiency diffused lens         (0.97)           WH80         80° brilliant white with clear lens         (1.00)           BEZEL LENS SEE PAGE 3         NL <sup>1/2</sup> no lens         (1.00)           BEZEL COR SEE PAGE 3         BK         black         WH         White           MC         matte chrome         C3°         custom color, consult factory for details           Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM.         Not applicable to trimless		15LM	1200 lm										
DELIVERED LUMENS         30 LM         2450 lm           35 LM         2850 lm         40 LM         3190 lm           Standard Configuration: 3000K 80CRI WH80 Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Reflect Multiplier]           CCT         270K         CCT         2700K         3000K         3500K         400K           30K         3000K         CCT         2700K         CCT         2700K         400K         4000K           CCT         30K         3000K         CCT         0.96         0.81         1.00         0.85         1.03         0.88         1.06         0.5           A0K         4000K         4000K         CCT MULTIPLIER FOR         0.96         0.81         1.00         0.85         1.03         0.88         1.06         0.5           CRI         80         80 CRI         90         90 CRI         500K         400K         40.99         40.4         40.99         40.4         40.90         40.4         40.90         40.4         40.90         40.4         40.90         40.4         40.90         40.4         40.4         40.90         40.4         40.90         40.4         40.90         40.4         40.90         40.4         40.90		20LM	1600 lm	1600 lm									
LUMENS         JOLIW         2430 III           35LM         2850 Im           40LM         3190 Im           Standard Configuration: 3000K 80CRI WH80 Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Reflect Multiplier]           CCT         270K         270K         3000K         3500K         4000K           A0K         3000K         CCT         2700K         3000K         3500K         4000K           CCT         30K         3000K         CCT MultiPLER POR BOH 000 0.85 0.81 0.00 0.85 103 0.88 0.06 0.55         0.98 0.81 0.00 0.85 103 0.88 0.06 0.55           CRI         80         80 CRI         90         90 CRI           90         90 CRI         HE60         60° high efficiency diffused lens         (0.98 0.95           MULTIPLIER SEE PAGE 3         HE60         60° high efficiency diffused lens         (0.97 WH80         80° billiant white with clear lens         (1.00)           BZZEL LENS SEE PAGE 3         NL <sup>1,2</sup> no lens         (1.00)         (1.00)           BZZEL LENS SEE PAGE 3         NL <sup>1,2</sup> no lens         (1.00)           BZ         bronze         custom color, consult factory for details         (1.00)           Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM.         Not applicable to trimles		25LM	2060 lm										
35LM         2850 lm           40LM         3190 lm           Standard Configuration: 3000K 80CRI WH80 Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Reflect Multiplier]           CCT         27K         2700K         CCT         270K         3000K         4000K           30K         3000K         CCT         270K         3000K         3000K         4000K           CCT         30K         3000K         CCT         2700K         000 K         3000K         4000K           CRI         30K         3500K         CCT MULTIPLIER FOR CHIMEN OUTPUT         0.96 0.81 to0 0.85 to3 0.88 to6 0.55           0PTIC & 40K         4000K         4000K         0.90 0.81 to0 0.85 to3 0.88 to6 0.55           CRI         80         80 CRI         90         90 CRI           MULTIPLIER SEE PAGE 3         HE60         60° high efficiency diffused lens         (0.98 to0.95           D70         70° diffused with clear lens         (0.09 to0.97           WH80         80° brilliant white with clear lens         (1.00)           BEZEL LENS SEE PAGE 3         NL <sup>12</sup> no lens         (1.00)           SEE PAGE 3         BK         black         WH           WH         white         CC <sup>3</sup> custom		30LM	2450 lm										
CCT         Standard Configuration: 3000K 80CRI WH80 Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Reflect Multiplier]           CCT         27K         2700K         CCT         2700K         3000X         4000K           30K         3000K         CCT         2700K         CCT         2700K         3000X         4000K           30K         3000K         CCT         2700K         CCT         2700K         400K         4000K           CRI         80         80         80 CRI         90         90 CRI         0.98         0.81         1.00         0.85         1.03         0.88         1.06         0.5           OPTIC & LM MULTIPLIER SEE PAGE 3         HE60         60° high efficiency diffused lens         (0.95           D70         70° diffused with clear lens         (0.97)           WH80         80° brilliant white with clear lens         (1.00)           BEZEL LENS SEE PAGE 3         BK         black         WH         White           MC         matte chrome         Efficiency for details         Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM.           Not applicable to trimless option. Do not include in trimless ordering code.         BK         black         (0.9)           WH         white	LUMENS	35LM	2850 lm										
Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Reflect Multiplier]           CCT         2700K         CCT Multiplier] x [Reflect Multiplier]           CCT         2700K         3000K         3000K         3000K         4000K           CCT         2700K         3000K         3000K         4000K           30K         3000K         3000K         3000K         4000K           OFTIC & 40K         40K         CCT MULTIPLIER FOR 0.96         0.85         100         0.85         100         0.85         100         0.85         100         0.85         0.86 <th cols<="" th=""><th></th><th>40LM</th><td>3190 lm</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th>	<th></th> <th>40LM</th> <td>3190 lm</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		40LM	3190 lm									
Multiplier         Z7K         270K         CCT         Z70K         300K         3000K         4000K           30K         300K         300K         CCT         270K         300K         3500K         4000K         90         80         90         90         80         90 <th></th> <th></th> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			0										
CCT         270K         270K         300K         360K         400K           30K         300K         300K         00+         80+         90+         80+         80+         80+         80+         80+         80+         80+         80+         80+         80+         80+         80									[Refle	ector			
CCT         30K         300K         CRI         80+         90+         80+         80+         80+         80+         80+         80+         80+         80+         80+         80+         80+         80+         80+         80+         80+ <th></th> <th></th> <th>2700K</th> <th>CCT</th> <th>27(</th> <th>юк</th> <th>300</th> <th>00K</th> <th>35</th> <th>лок</th> <th>400</th> <th>ок</th>			2700K	CCT	27(	юк	300	00K	35	лок	400	ок	
35K         3500K         CCT MULTPLIER FOR LUMEN OUTPUT         0.96         0.81         1.00         0.85         1.03         0.88         1.06         0.5           40K         400K         400K         400K         400K         400K         400UTPUT         0.96         0.81         1.00         0.85         1.03         0.88         1.06         0.5           CRI         90         90         CRI         90         90<		30K										90+	
40K       400K         CRI       80       80 CRI         90       90 CRI       90 CRI         MULTIPLIER       HE60       60° high efficiency diffused lens       (0.98)         SEE PAGE 3       D70       70° diffused with clear lens       (0.97)         WH80       80° brilliant white with clear lens       (1.00)         BEZEL LENS       NL <sup>1,2</sup> no lens       (1.00)         SEE PAGE 3       BK       black       WH       white         MC       matte chrome       BZ       bronze       WT       wheat         CCC3       custom color, consult factory for details       Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM.       Not applicable to trimless option. Do not include in trimless ordering code.         BEZEL       BK       black       (0.9)         WH       white       (1.0)         MC       matte chrome       0.9         WH       wheat       (0.9)         WH       wheat       (0.9)         WH       white       (1.0)         MC       matte chrome       0.9         WH       white       (1.0)         MC       matte chrome       (0.9)         WH <t< th=""><td>CCT</td><th>35K</th><td>3500K</td><td></td><td>90.0</td><td>0.81</td><td>1.00</td><td>0.85</td><td>103</td><td>0.88</td><td>106</td><td>0.91</td></t<>	CCT	35K	3500K		90.0	0.81	1.00	0.85	103	0.88	106	0.91	
CRI       90       90 CRI         90       90 CRI         MULTIPLIER       HE60       60° high efficiency diffused lens       (0.98)         SEE PAGE 3       D70       70° diffused with clear lens       (0.97)         WH80       80° brilliant white with clear lens       (1.00)         BEZEL LENS       NL <sup>1,2</sup> no lens       (1.00)         SEE PAGE 3       BK       black       WH         WH       white       MC       matte chrome         BZ       bronze       WT       wheat         CC <sup>3</sup> custom color, consult factory for details       Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM.         Not applicable to trimless option. Do not include in trimless ordering code.       BK       black       (0.9)         BEZEL       MC       matte chrome       0.9       0.9         WH       wheat       (0.9)       0.9       0.9       0.9         WH       wheat       (0.9)       0.9       0.9       0.9         BEZEL       BK       black       (0.9)       0.9         WH       white       (1.0)       0.9       0.9         WH       White       (1.0)       0.9       0.9 <th></th> <th>40K</th> <th>4000K</th> <th>LUMEN OUTPUT</th> <th>0.00</th> <th>0.01</th> <th>1.00</th> <th>0.00</th> <th>1.00</th> <th>0.00</th> <th>1.00</th> <th>0.51</th>		40K	4000K	LUMEN OUTPUT	0.00	0.01	1.00	0.00	1.00	0.00	1.00	0.51	
90       90 CRI         OPTIC & LM MULTIPLIER SEE PAGE 3       HE60       60° high efficiency diffused lens       (0.95)         D70       70° diffused with clear lens       (0.97)         WH80       80° brilliant white with clear lens       (1.00)         BEZEL LENS SEE PAGE 3       NL <sup>1,2</sup> no lens       (1.00)         BEZEL LENS SEE PAGE 3       BK       black       WH       white         MC       matte chrome       BZ       bronze       WT       wheat         COLOR SEE PAGE 3       CC <sup>3</sup> custom color, consult factory for details       Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM.         Not applicable to trimless option. Do not include in trimless ordering code.       BK       black       (0.9)         BEZEL CELOR SEE PAGE 2       BK       black       (0.9)         BEZEL SEE PAGE 3       BK       black       (0.9)         MC       matte chrome       (0.9)         BK       black       (0.9)         WH       white       (1.0)         MC       matte chrome       (0.9)         WH       White       (1.0)         MC       matte chrome       (0.9)         WH       White       (1.0)		80	80 CRI										
OPTIC & IM MULTIPLIER SEE PAGE 3       HE80       80° high efficiency diffused lens       (0.95)         D70       70° diffused with clear lens       (0.97)         WH80       80° brilliant white with clear lens       (1.00)         BEZEL LENS SEE PAGE 3       NL <sup>1,2</sup> no lens       (1.00)         BEZEL LENS SEE PAGE 3       BK       black       WH       white         MC       matte chrome       BZ       bronze       WT       wheat         COLOR       CC <sup>3</sup> custom color, consult factory for details       Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM.       Not applicable to trimless option. Do not include in trimless ordering code.         BEZEL COLOR       BK       black       (1.00)         BEZEL       MC       matte chrome       (0.9)         WH       white       (1.00)       (0.9)         MC       matte chrome       (0.9)         WH       white       (1.0)         Not applicable to trimless option. Do not include in trimless ordering code.       (0.9)         BK       black       (0.9)         WH       white       (1.0)         MC       matte chrome       (0.9)         WH       White       (1.0)         MC	CRI	90											
OPTIC & IM MULTIPLIER SEE PAGE 3       HE80       80° high efficiency diffused lens       (0.95)         D70       70° diffused with clear lens       (0.97)         WH80       80° brilliant white with clear lens       (1.00)         BEZEL LENS SEE PAGE 3       NL <sup>1,2</sup> no lens       (1.00)         BEZEL LENS SEE PAGE 3       BK       black       WH       white         MC       matte chrome       BZ       bronze       WT       wheat         COLOR       CC <sup>3</sup> custom color, consult factory for details       Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM.         Not applicable to trimless option. Do not include in trimless ordering code.       BK       black       (0.9)         BEZEL COLOR       BZ       black       (0.9)       (1.0)         BEZEL       BK       black       (0.9)       (1.0)         MC       matte chrome       (0.9)       (1.0)         BEZEL       BC       black       (0.9)         WH       white       (1.0)       (1.0)         MC       matte chrome       (0.9)       (0.9)         WH       White       (1.0)       (1.0)         MC       matte chrome       (0.9)       (0.9)		HE60	60° high	efficiency diffu	ised	lens	;				(0.	98)	
SEE PAGE 3       D70       70° diffused with clear lens       (0.97)         WH80       80° brilliant white with clear lens       (1.00)         BEZEL LENS SEE PAGE 3       NL <sup>1,2</sup> no lens       (1.00)         MC       matte chrome       MC       matte chrome         BZ       bronze       WT       wheat         CC3       custom color, consult factory for details       Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM.         Not applicable to trimless option. Do not include in trimless ordering code.       BK       black         BEZEL       MC       matte chrome       (1.00)         MT       wheat       (0.9)       (0.9)         WH       white       (1.00)       (1.00)         MC       matte chrome       (0.9)       (0.9)         WH       white       (1.00)       (1.00)         BEZEL       BC       black       (0.9)         WH       white       (1.00)       (1.00)         WH       White       (1.00)       (0.9)         WH       White       (1.00)       (1.00)         BEZEL       BZ       bronze       (0.9)		HE80	80° high	efficiency diffu	ised	lens	;				(0.95)		
WH80       80° brilliant white with clear lens       (1.00)         BEZEL LENS SEE PAGE 3       NL <sup>1,2</sup> no lens       (1.00)         Reprint Color SEE PAGE 3       BK       black       WH         WC       matte chrome       MC       matte chrome         BZ       bronze       WT       wheat         CC <sup>3</sup> custom color, consult factory for details       CC <sup>3</sup> Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM.       Not applicable to trimless option. Do not include in trimless ordering code.         BK       black       (0.9)         WH       white       (1.00)         MC       matte chrome       (0.9)         WH       white       (1.00)		D70	70° diffus	sed with clear	ens						(0.97)		
BEZEL LENS SEE PAGE 3       NL <sup>1,2</sup> no lens       (1.00)         TRIM COLOR SEE PAGE 3       BK       black       WH       white         MC       matte chrome       BZ       bronze         WT       wheat       CC <sup>3</sup> custom color, consult factory for details         Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM.       Not applicable to trimless option. Do not include in trimless ordering code.         BEZEL COLOR SEE PAGE 2       BK       black       (0.9)         WH       white       (1.0)         MC       matte chrome       (0.9)         SEE FARCE 2       bronze       (0.9)	SLL FAUL 5	WH80	80° brilli	ant white with	clea	r len	S					,	
BK       black         WH       white         MC       matte chrome         BZ       bronze         WT       wheat         CC <sup>3</sup> custom color, consult factory for details         Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM.         Not applicable to trimless option. Do not include in trimless ordering code.         BK       black       (0.9)         WH       white       (1.0)         BEZEL       MC       matte chrome       (0.9)         BEZEL       MC       matte chrome       (0.9)         BEZEL       MC       matte chrome       (0.9)         OULD R       BZ       bronze       (0.9)		NL <sup>1,2</sup>	no lens								-	-	
TRIM COLOR SEE PAGE 3     MC     matte chrome       MC     matte chrome       BZ     bronze       WT     wheat       CC <sup>3</sup> custom color, consult factory for details       Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM.       Not applicable to trimless option. Do not include in trimless ordering code.       BK     black     (0.9)       WH     white     (1.0)       MC     matte chrome     (0.9)       BEZEL     MC     matte chrome     (0.9)       BZ     bronze     (0.9)		BK	black										
TRIM COLOR SEE PAGE 3       BZ       bronze         WT       wheat       CC <sup>3</sup> custom color, consult factory for details         Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM.       Not applicable to trimless option. Do not include in trimless ordering code.         BK       black       (0.9)         WH       white       (1.0)         MC       matte chrome       (0.9)         BFZEL       MC       matte chrome       (0.9)         OLOOR       BZ       bronze       (0.9)		WH	white										
BZ     bronze       SEE PAGE 3     WT     wheat       CC <sup>3</sup> custom color, consult factory for details       Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM.       Not applicable to trimless option. Do not include in trimless ordering code.       BK     black     (0.9)       WH     white     (1.0)       MC     matte chrome     (0.9)       BEZEL     BZ     bronze     (0.9)		МС	matte ch	rome									
SEE PAGE 3     WT     wheat       CC <sup>3</sup> custom color, consult factory for details       Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM.       Not applicable to trimless option. Do not include in trimless ordering code.       BK     black     (0.9)       WH     white     (1.0)       WH     white     (0.9)       BEZEL     MC     matte chrome     (0.9)       BZ     bronze     (0.9)		BZ	bronze										
Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM. Not applicable to trimless option. Do not include in trimless ordering code. BK black (0.9) WH white (1.0) BEZEL OLOR BZ bronze (0.9)		WT	wheat										
BK         black         (0.9)           WH         white         (1.0)           BEZEL         MC         matte chrome         (0.9)           COLOR         BZ         bronze         (0.9)		CC <sup>3</sup>	custom o	olor, consult fa	acto	ry fo	r det	ails					
BK         black         (0.9)           WH         white         (1.0)           BEZEL COLOR BZ         MC         matte chrome         (0.9)           BF DATE 2         MC         (0.9)         (0.9)			l finish, add <i>l</i>	M to black, white	or ma	tte ch	rome	i.e. Bł					
WHwhite(1.0)BEZEL COLOR BZMCmatte chrome(0.9)BZbronze(0.9)				option. Do not incl	ude i	n trim	less o	rderi	ng co	de.	10		
BEZEL COLOR BZ         MC bronze         matte chrome         (0.9)           MC         matte chrome         (0.9)           BZ         bronze         (0.9)												,	
COLOR BZ bronze (0.9													
				rome									
WT   wheat (0.9)													
						-					(0	).99)	
CC <sup>3</sup> custom color, consult factory for details Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM.									/				

	NC 60°	- 80° BEAM ORDERING CODE			
		new construction with ceiling fitting plate			
MOUNTING		insulation contact housing			
<b>OPTIONS</b> SEE PAGE 5, 6	ICAT <sup>4</sup>	insulation contact/airtight housing			
	CP⁴	chicago plenum housing			
	RET	retrofit, no ceiling fitting plate			
VOLTAGE	120	120V			
VULIAUL	UNV	120V-277V			
	DIM10	eldoLED flicker free 0-10V dimming to 1%			
	DIM10Z	eldoLED flicker free 0-10V dimming to 0%			
	DALI	eldoLED flicker free DALI dimming to 1%			
	DALIZ	eldoLED flicker free DALI dimming to 0%			
	DMXZ	DMX dim to zero			
DIMMING	LUTP⁵	Lutron Hi-lume Premier Ecosystem dimming to 0.1%, Soft-on & Fade-to-Black			
	ELV1 <sup>6</sup>	leading & trailing edge (Triac/ELV) dimming to 1%			
	NLT	nLight control interface: standard Cat-5/RJ45 connection (female), dim to off			
	CAS	Casambi Bluetooth control with flicker free 1% dimming			
	AWNR <sup>7</sup>	lutron athena wireless node			
	EM7	emergency battery backup, 90 minutes at 7W to LED			
ELECTRICAL	EM12	emergency battery backup, 90 minutes at 12W to LED			
OPTIONS	EM10CA20	remote emergency battery backup, 90 minutes at 10W to LED, CA title 20			

ADDITIONAL MOUNTING INFO					
New Construction	Mounting Length:				
Bar Hangers (included)	14-3/4" to 26"				
Extension Kit p/n: K20266	Extends a pair of Bar Hangers				
(ordered separately,	Total Mounting Length:				
1 per fixture)	29" to 48"				

### YOUR COMPLETED ORDERING CODE

Follow the steps to specify your fixture, example:

NU3 - QD - SW - 20LM - 30K - 90 - HE60 - WH - WH - NC - UNV - DIM10 - EM7

### NOTES

1. NL option available in D70/WH80.

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 35LM/40LM.

5. LUTP not available in 25LM/30LM/35LM/40LM.

6. ELV1 (120V input) not available in 10LM.

7. AWNR reference page 8 for product specifications on Athena wireless node.

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

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PROJECT INFORMATION						
JOB NAME		ТҮРЕ				
ORDERING CODE						

## **TRIM OPTIONS**

## **TRIM/BEZEL COLORS**

Trim ——— Bezel Lens ——— Bezel ———					
	WH	MC	ВК	BZ	WT

## **OPTICAL OPTIONS**

• Calculations based on 15LM fixtures, SA bezel, unless otherwise noted

• UGR calculation based on CIE 117-1995; room size: 4H X 8H, reflectance: 70/50/20;



OPTIC	BEAM ANGLE	UGR
D70	65	20.9
WH80	73	23.8

DL Diffused Lens	
<u></u>	

OPTIC	BEAM ANGLE	UGR
HE60	64	22.6
HE80	78	24.7

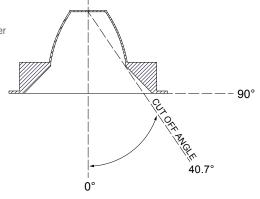
## **GLARE CONTROL**

### **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 40.7° degrees;



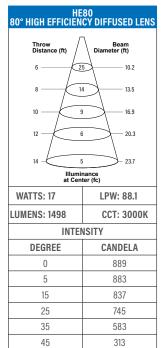
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PROJECT INFOR	MATION		
JOB NAME		ТҮРЕ	
ORDERING CODE			

## **PHOTOMETRIC DATA**

20LM CCT MULTIPLIERS					
	80 CRI	90CRI			
2700K	0.96	0.81			
3000K 1 0.84					
3500K	1.01	0.85			
4000K	4000K 1.03 0.87				
FC Forr	FC Formula = CBCP / Distance <sup>2</sup>				

HE60 65° HIGH EFFICIENCY DIFFUSED LENS				
Throw Beam Distance (ft)				
6 7.6				
8 10.2				
101	3 12.7			
12 9 15.2				
14 7 17.8				
Illuminance at Center (fc)				
WATTS: 17	LPW: 88.2			
LUMENS: 1500 CCT: 3000K				
INTE	NSITY			
DEGREE	CANDELA			
0	1289			
5	1267			
15 1109				
25 862				
35	557			
45	220			



D70 66° DIFFUSED WITH CLEAR LENS				
Throw Distance (ft)	Beam Diameter (ft)			
6	7.8			
8	3 10.3			
101	5 12.9			
121	15.5			
14 7 - 18.1				
Illumi at Cen				
WATTS: 17	LPW: 89.3			
LUMENS: 1518	CCT: 3000K			
INTE	ISITY			
DEGREE	CANDELA			
0	1456			
5	1434			
15	1270			
25	1004			
35	597			
45	121			

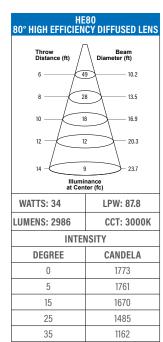
1

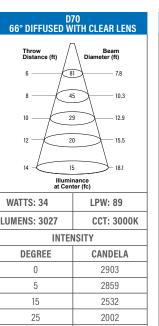
WH80 7° BRILLIANT WHITE WITH CLEAR LENS				
Throw Beam Distance (ft) Diameter (ft)				
6	9.5			
816	12.7			
1010	15.8			
12 7	19			
14 5 - 22.2				
Illumir at Cent	nance ter (fc)			
17 LPW:	94.2			
1602 CCT:	3000K 3000K			
INTER	ISITY			
DEGREE	CANDELA			
0	1004			
5	1000			
15	967			
25	896			
35	692			
45	249			

40LM CCT MULTIPLIERS					
	80 CRI 90CRI				
2700K	0.96	0.81			
3000K	1	0.84			
3500K	1.01	0.85			
4000K	1.03 0.87				
FC Formula = CBCP / Distance <sup>2</sup>					

PLIERS	HE 65° HIGH EFFICIEN	60 CY DIFFUSED LENS				
90CRI		_ ٦				
0.81	Throw Distance (ft)	Beam Diameter (ft)				
0.84	6	71 7.6				
0.85	8	10.2				
0.87						
/ Distance <sup>2</sup>	102	10 12.7				
	12 12	12 18 15.2				
		3 17.8				
	Illumi at Cen	nance iter (fc)				
	WATTS: 34	LPW: 88				
	LUMENS: 2991	CCT: 3000K				
	INTE	NSITY				
	DEGREE	CANDELA				
	0	2569				
	5	2526				
	15	2211				
	25	1719				
	23	1115				

45



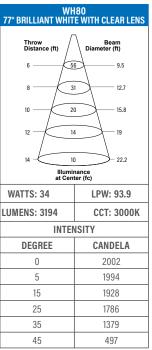


1190

240

35

45



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624

45

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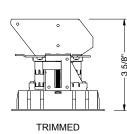
438

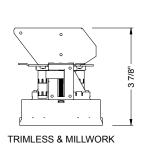
PROJECT INFOR	MATION		
JOB NAME		TYPE	
ORDERING CODE			

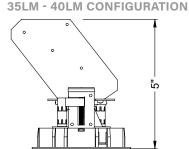
## **MOUNTING OPTIONS**

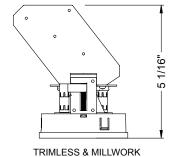
## **FIXTURE HEIGHT**

**10LM - 30LM CONFIGURATION** 





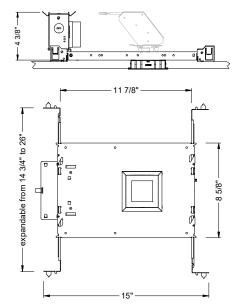




TRIMMED

## **NC - NEW CONSTRUCTION**

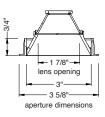




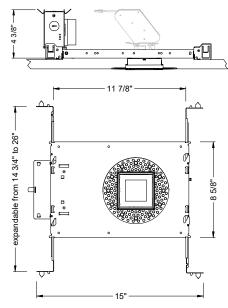


TRIM

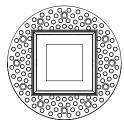
ceiling cutout 3-1/4" square ceiling thickness 1/8" to 1-1/4"



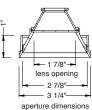
TRIMLESS



TRIMLESS



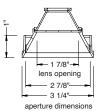
ceiling cutout 3-1/2" square ceiling thickness 3/8" to 1-3/8"



TRIMLESS/MILLWORK



ceiling cutout 3-9/32" square ceiling thickness 5/8" to 1-3/8"



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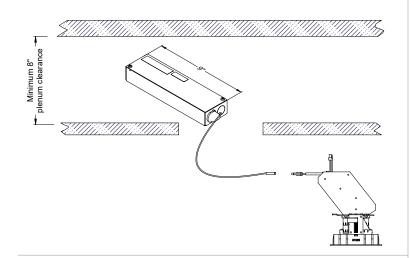
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PROJECT INFOR	MATION		
JOB NAME		ТҮРЕ	
ORDERING CODE			

## **MOUNTING OPTIONS (CONTINUED)**

## **RET - RETRO**

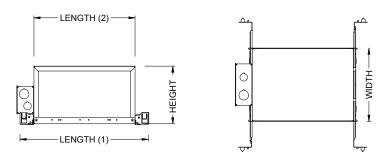
TRIM/TRIMLESS



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

CEILING THICKNESS				
	MOUNTING TYPE			
FIXTURE TYPE	NC, IC, ICAT,CP, RET			
	STANDARD CEILING THICKNESS			
TRIM	1/8" to 1- 1/4"			
TRIMLESS	3/8" to 1-3/8"			
MILLWORK (TRIMLESS)	5/8" to 1-3/8"			

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



BOX SIZE	L1	L 2	W	Н
А	15 - 7/16"	11 - 3/4"	8 - 1/2"	6 - 3/4"
В	18 - 1/4"	14 - 7/8"	12 - 1/8"	11 - 1/4"

BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS							
	BOX - A				BOX - B		
LUMEN OUTPUT	IC	ICAT	СР	IC	ICAT	СР	
10LM	~	~	~				
15LM	~	~	~				
20LM	~	~	~				
25LM	~	~	~				
30LM				~	V	~	
35LM				~	V	~	
40LM							

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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 Luminares.

### **REMOTE TEST SWITCH**

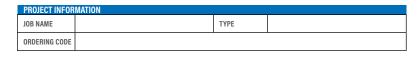
The Remote Test Switch may be mounted adjacent to the LED Fixture by others.

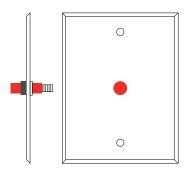
### **EMERGENCY BATTERY ACCESS**

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.



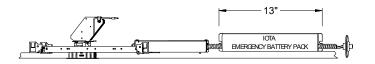


Remote Test Switch

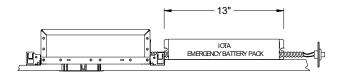
EM MODE OUTPUT (DELIVERED LUMENS)						
LUMEN ORDERING CODE EM7 EM10 EM12						
ALL OPTIONS (10LM TO 30LM) 600LM 855LM 1025LM						
Notes: Based on 30K, 80CRI						

## **NC - NEW CONSTRUCTION**

WITH EM BATTERY (REMOTE TEST SWITCH)

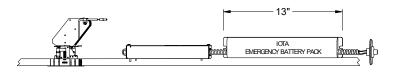


## IC / ICAT / CP - INSULATION CONTACT HOUSING WITH EM BATTERY (REMOTE TEST SWITCH)



## **RET - RETROFIT**

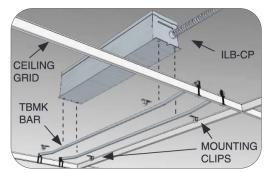
WITH EM BATTERY (REMOTE TEST SWITCH)



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.

### Accessory

76066 Optional T-Grid Mounting Kit<sup>2</sup>



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

AWNR OPTIONS

#### PROJECT INFORMATION JOB NAME TYPE ORDERING CODE

## **Athena Wireless Node**

The Athena wireless node is a radio frequency (RF) device that enables simple, digital control of individual light fixtures in an Athena control system.



#### Athena Wireless Node RF

## **FEATURES**

- Enables individual, wireless control of each fixture in an Athena control system. Accommodates zone and control changes without rewiring.
- Installed at factory no wiring required on-site. Fixture is ready to communicate wirelessly once power is connected.
- All drivers on the link are controlled as a single zone.

### Note: Default behavior prior to programming

- Light level 100%
- Athena wireless node performs an unprogrammed startup sequence on every power up until the device is added to an Athena system.

- **REGULATORY APPROVALS** cULus Listed (UL916)
- Complies with requirements for use in other spaces used for environmental air (plenums) . per NEC° 2014 300.22(C)(3).
- · FCC compliant with the limits for a Class B digital device.
- IC (Industry Canada)
- ANSI C137.1 0-10 V- Electronic Off

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.

- Each Athena wireless node should be installed within 25 ft (7.62 m) of two or more Athena wireless nodes or other Clear Connect -Type X devices.
- For Chicago plenum installations, the Athena wireless node may not be installed in the plenum space. It must be installed in the occupied space.

**POWER / LOAD** 

- IEC SELV/NEC<sup>®</sup> Class 2
- 1 Watt

#### **ENVIRONMENTAL**

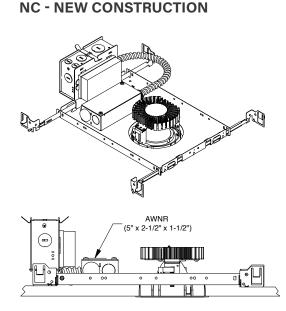
- Ambient operating temperature (immediate vicinity of Athena wireless node): 32 °F to 131 °F (0 °C to 55 °C), 0% to 90% humidity.

### **BATTERY OPTIONS**

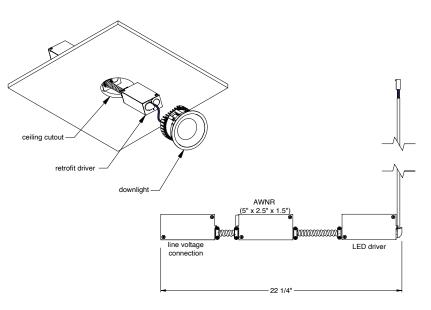
For EM options please consult factory.

For servicing the driver/j-box, access above ceiling is required. (NC Mounting)

> IC/ICAT/CP not available in AWNR.



## **RET - RETRO FIT**



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OEM ADVANTAGE