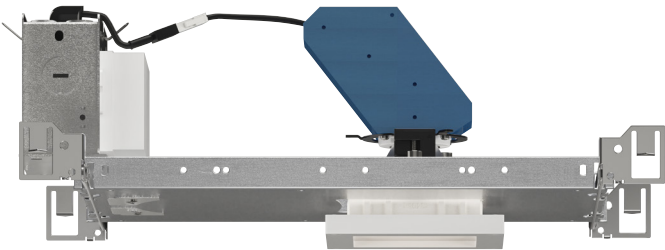


PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

NU3

3" Square Downlight
Standard White Tamper Resistant



25° - 55° BEAM
(Note: Specifications are subject to change without notice)

14mm COB PERFORMANCE DATA

LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	930LM @30K/80CRI	10W
15LM	1522LM @30K/80CRI	16W
20LM	2010LM @30K/80CRI	21W
25LM	2470LM @30K/80CRI	26W
30LM	2870LM @30K/80CRI	31W
35LM	3300LM @30K/80CRI	37W
10LM	790LM @30K/90CRI	10W
15LM	1290LM @30K/90CRI	16W
20LM	1710LM @30K/90CRI	21W
25LM	2100LM @30K/90CRI	26W
30LM	2440LM @30K/90CRI	31W
35LM	2810LM @30K/90CRI	37W
Notes	Delivered lumens based on 55D optic with no lens, (see page 2)	

20° BEAM

(Note: Specifications are subject to change without notice)

9mm COB PERFORMANCE DATA

LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	820LM @30K/80CRI	9W
15LM	1380LM @30K/80CRI	15W
20LM	1880LM @30K/80CRI	22W
10LM	820LM @30K/90CRI	9W
15LM	1380LM @30K/90CRI	15W
20LM	1880LM @30K/90CRI	22W
Notes	Delivered lumens based on 20D optic with no lens, (see page 2)	

14° BEAM

(Note: Specifications are subject to change without notice)

6mm COB PERFORMANCE DATA

LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	900LM @ 30K/80CRI	12W
15LM	1330LM @ 30K/80CRI	18W
10LM	760LM @ 30K/90CRI	12W
15LM	1130LM @ 30K/90CRI	18W
Notes	Delivered lumens based on 15D optic with no lens, (see page 2)	

FEATURES

- Designed to meet NYS-OMH rigorous requirements
- Tamper resistant, anti-ligature
- K10 impact rated, vandal resistant
- 15° - 55° optical beam control
- UGR < 17
- 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%
- Lutron Hi-lume Ecosystem dimming to 0.1%
- Lutron athena wireless node
- Leading & trailing edge (Triac/ELV) dimming to 1%
- Casambi dimming to 1%
- NLight control interface dimming to 0%

CONSTRUCTION

- Spun Aluminum 6061 lensing frame
- 18-8 stainless steel tamper resistant screws
- Polycarbonate (3mm) shatter resistant lensing
- Electrocoated 16-gauge cold rolled steel construction
- Accommodates ceiling thickness from 1/8" to 1-3/8"

LED

- 90 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L₇₀ > 66,000 hrs
- 80 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L₇₀ > 66,000 hrs

LISTING

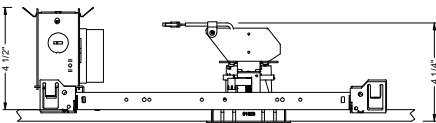
- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- IP65 with lens - Suitable for wet locations with lens - Suitable for damp locations without lens
- Non-conductive, dead-front construction (shower approved)
- NSF/ANSI-2 with lens (Non-Food and Splash Zones)
- **Declare.** - LBC Red List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

ELECTRICAL

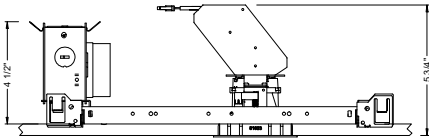
- 120V-277V, 120 only Triac / ELV
- Power factor ≥ 0.9
- 2kV driver input surge protection
- Remote emergency test switch
- 7W, 10W (T20 CEC) and 12W EM 90min battery
- Max. ambient installation temperature 95°F (35°C)
- Low Voltage Luminaire option, see page 10.

FIXTURE HEIGHT

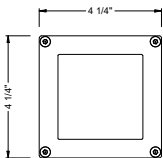
10LM - 30LM LOW LUMENS



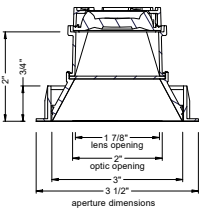
35LM HIGH LUMENS



TAMPER RESISTANT



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



alphabet

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

ORDERING CODE												
SERIES	NU3	NU3										
TYPE	SDTR	square downlight tamper resistant										
LED	SW	standard white										
DELIVERED LUMENS	10LM	930 lm										
	15LM	1522 lm										
	20LM	2010 lm										
	25LM	2470 lm										
	30LM	2870 lm										
	35LM	3300 lm										
	Standard Configuration: 3000K 80CRI 55D, NL Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Optic Multiplier]											
CCT	27K	2700K	14mm & 6mm									
	30K	3000K	CCT		2700K		3000K		3500K		4000K	
	35K	3500K	CRI		80+	90+	80+	90+	80+	90+	80+	90+
	40K	4000K	CCT MULTIPLIER FOR LUMEN OUTPUT		0.96	0.81	1.00	.85	1.03	.88	1.06	.91
	9mm											
	CCT		2700K	3000K		3500K		4000K				
	CRI		80+	90+	80+	90+	80+	90+	80+	90+		
	CCT MULTIPLIER FOR LUMEN OUTPUT		0.96	0.96	1.00	1.00	1.03	1.03	1.06	1.06		
	CRI	80	80 CRI									
		90	90 CRI									
OPTIC & LM MULTIPLIER SEE PAGE 3, 4	14D ¹	14 degrees (1.00)										
	20D ²	20 degrees (1.00)										
	25D	25 degrees (1.00)										
	30D	30 degrees (1.00)										
	35D	35 degrees (0.94)										
	55D	55 degrees (1.00)										
BEZEL LENS	CL	clear lens (0.95)										
	DL	diffused lens (0.92)										
	E ³	elliptical beam spread (0.85)										
	HET	high efficiency textured lens, similar to Solite™ (0.94)										
	SBL	smoothing beam lens (0.95)										
TRIM COLOR	BK	black										
	WH	white										
	MC	matte chrome										
	BZ	bronze										
	WT	wheat										
	CC ⁴	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 (0.98)										
	WH	white (1.00)										
	MC	matte chrome (0.99)										
	CC ⁴	custom color, consult factory for details										
	Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM.											

BEAM ORDERING CODE		
MOUNTING OPTIONS SEE PAGE 5, 7	NC	new construction with ceiling fitting plate
VOLTAGE	120 UNV	120V 120V-277V
DIMMING	DIM10	eldoLED flicker free 0-10V dimming to 1%
	DIM10Z	eldoLED flicker free 0-10V dimming to 0%
	DALI	eldoLED flicker free DALI-2 dimming to 1%
	DALIZ	eldoLED flicker free DALI-2 dimming to 0%
	LUTP ⁵	Lutron Hi-lume Premier Ecosystem dimming to 0.1%, Soft-on & Fade-to-Black
	ELV1	leading & trailing edge (Triac/ELV) dimming to 1%
ELECTRICAL OPTIONS	NLT ⁶	nLight control interface: standard Cat-5/RJ45 connection (female), dim to off
	CAS	Casambi control with flicker free 1% dimming
	AWNR ⁷	lutron athena wireless node
	EM7	emergency battery backup, 90 minutes at 7W to LED
	EM12	emergency battery backup, 90 minutes at 12W to LED
	EM10CA20	remote emergency battery backup, 90 minutes at 10W to LED, CA title 20

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

YOUR COMPLETED ORDERING CODE	
Follow the steps to specify your fixture, example:	
NU3 - SDTR - SW - 20LM - 35K - 90 - 55D - CL - WH - WH - NC - UNV - DIM10 - EM7	

- NOTES
- 14D available in 10LM/15LM. Not available with DL/E lens.
 - 20D available in 10LM/15LM/20LM. Not recommended with DL lens, beam angle increases by 2.5x.
 - Elliptical lens not available with 14D optic options. Actual beam distributions [20D= 40° x 65°, 25D= 44° x 70°, 30D= 47° x 71°, 35D= 51° x 73°, 55D= 55° x 75°]
 - Custom set up fee plus minimum quantity required per color.
 - LUTP not available in 20D/20LM or 20LM/25LM/30LM/35LM.
 - For servicing access above ceiling is required.
 - AWNR Reference last page for product specifications on athena wireless node.
- * EldoLED and DMX uses logarithmic dimming curve as standard. For linear dimming curve, add "LIN" after dimming code, i.e. DIM10LIN.

TRIM OPTIONS

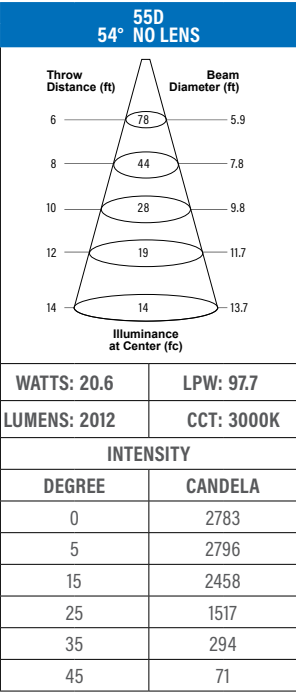
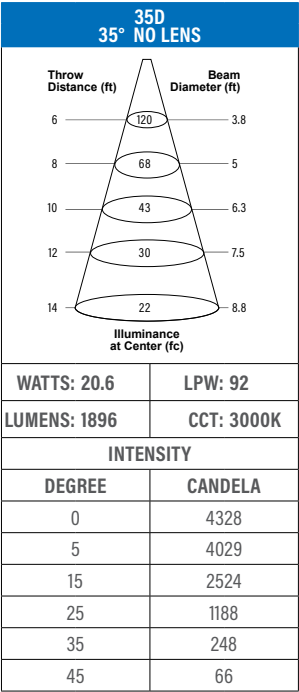
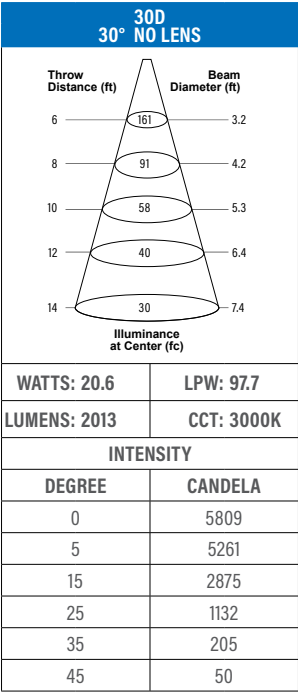
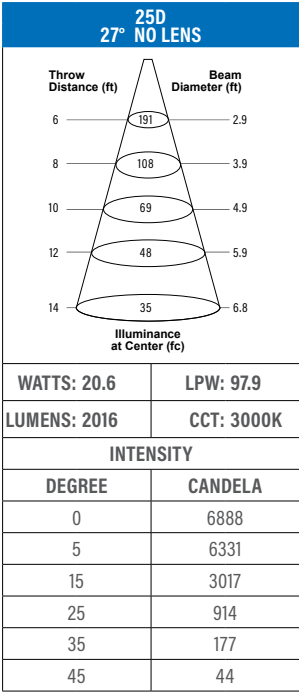
TRIM COLORS



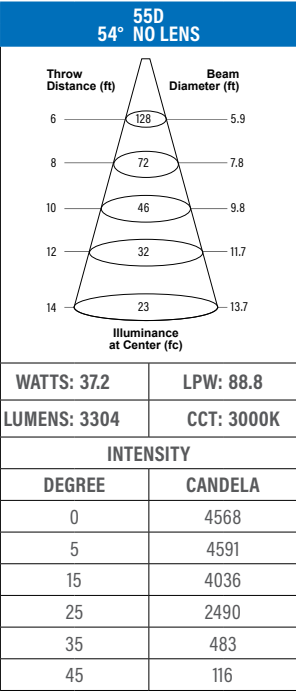
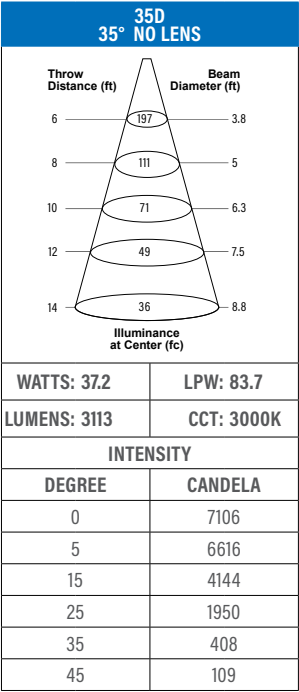
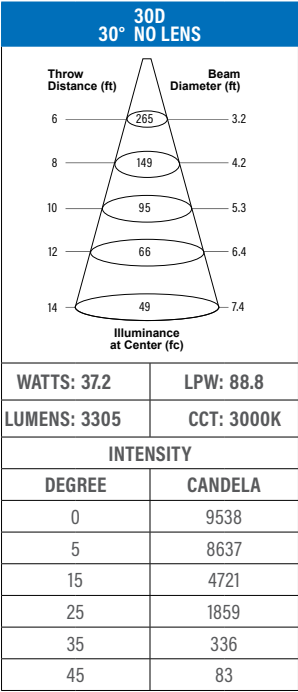
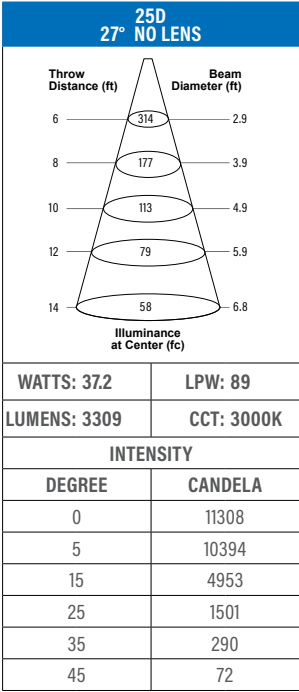
PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

PHOTOMETRIC DATA

20LM CTT MULTIPLIERS		
	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		



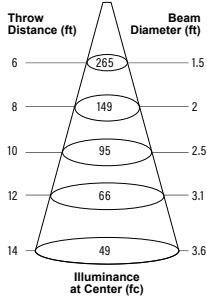
35LM CTT MULTIPLIERS		
	80CRI	90CRI
2700K	0.96	0.81
3000K	1	0.85
3500K	1.03	0.88
4000K	1.06	0.91
FC Formula = CBCP / Distance ²		

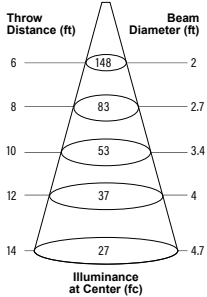


PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

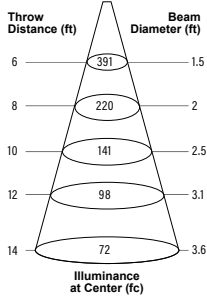
PHOTOMETRIC DATA

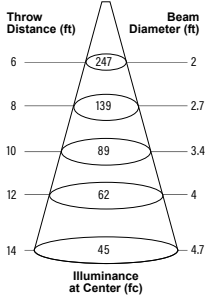
10LM CTT MULTIPLIERS		
	80CRI	90CRI
2700K	0.96	0.81
3000K	1	0.85
3500K	1.03	0.88
4000K	1.06	0.91
FC Formula = CBCP / Distance ²		

14D 14.5° NO LENS	
	
WATTS: 11.16	LPW: 80.9
LUMENS: 903	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	9532
5	7016
15	975
25	135
35	31
45	5

20D 19.3° NO LENS	
	
WATTS: 8.8	LPW: 93.5
LUMENS: 823	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	5313
5	4311
15	1141
25	195
35	38
45	10

15LM CTT MULTIPLIERS		
	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		

14D 14.5° NO LENS	
	
WATTS: 17.9	LPW: 74.4
LUMENS: 1331	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	14060
5	10348
15	1438
25	199
35	45
45	8

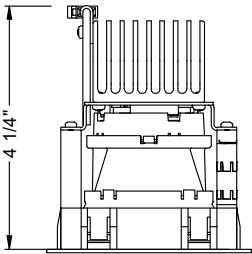
20D 19.3° NO LENS	
	
WATTS: 14.8	LPW: 93
LUMENS: 1376	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	8884
5	7210
15	1907
25	326
35	64
45	17

PROJECT INFORMATION		
JOB NAME	TYPE	
ORDERING CODE		

MOUNTING OPTIONS

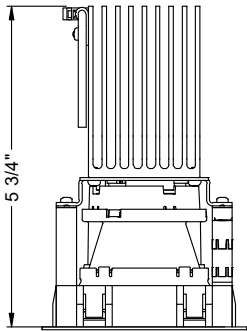
FIXTURE HEIGHT

LED LIGHT ENGINE: 10LM - 30LM



TRIMMED

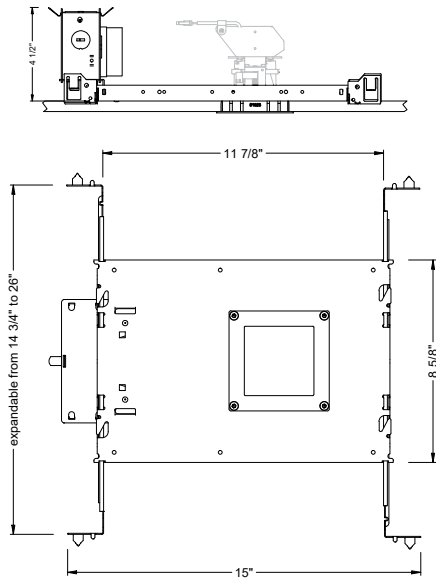
LED LIGHT ENGINE: 35LM



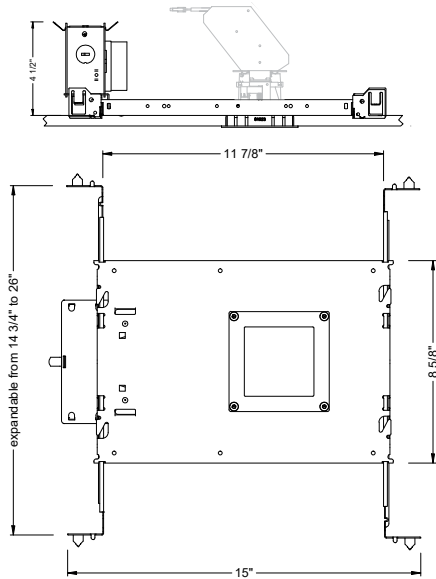
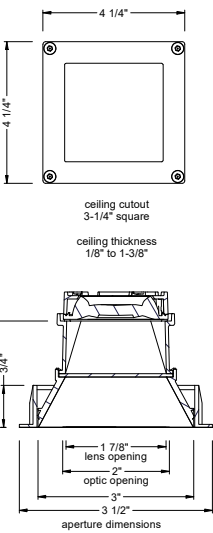
TRIMMED

NC - NEW CONSTRUCTION

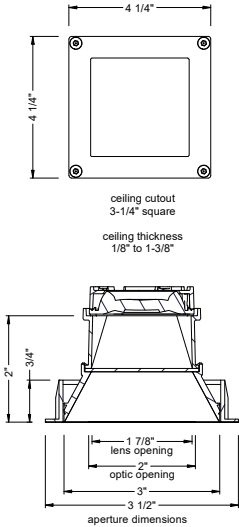
TRIM



TAMPER RESISTANT



TAMPER RESISTANT



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 Luminaires.

REMOTE TEST SWITCH

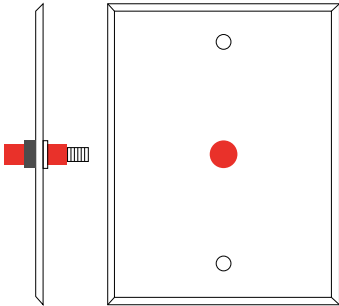
The Remote Test Switch may be mounted adjacent to the LED Fixture by others.

EMERGENCY BATTERY ACCESS

Above ceiling access is 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

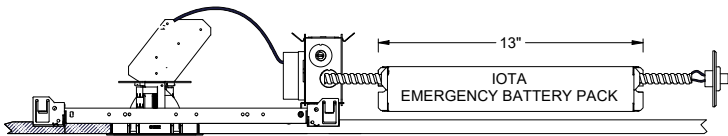
Maximum remote mounting distance of the emergency driver shall be 50 feet. Remote location wiring provided by others. Follow all Local and National Electric/ Building Codes.



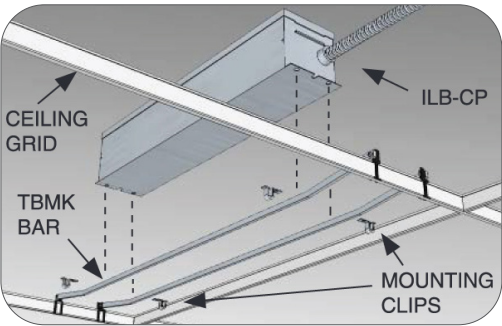
Remote Test Switch

EM MODE OUTPUT (DELIVERED LUMENS)			
LUMEN ORDERING CODE	EM7	EM10	EM12
ALL OPTIONS (10LM TO 35LM)	630LM	1050LM	1260LM
Notes Based on 30K, 80CRI			

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



Accessory
76066 Optional T-Grid Mounting Kit¹



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