

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

BETA3

3" Cylinder LiteOptics Standard White



(Note: Specifications are subject to change without notice)

14mm COB PERFORMANCE DATA

LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	840LM @30K/80CRI	12W
15LM	1100LM @30K/80CRI	16W
10LM	710LM @30K/90CRI	12W
15LM	940LM @30K/90CRI	16W
Notes	Delivered lumens based on CQR-S40, 3000K (see page 2)	

CASAMBI

FEATURES

- Seamless extrusion with powder coated finish for clean aesthetics
- Thermally optimized for longevity
- 40° beam spread
- Micro slim canopy options at 1/4"-3/8" depth plus 1/2" diameter stem.
- Multiple mounting, glare control options, trims and finishes available

DIMMING AND CONTROLS

- Flicker free 0-10V dimming to 1%
- Leading & trailing edge (Triac/ELV) dimming to 1%
- Lutron Hi-lume 2-Wire (Eco System) dimming to 0.1%
- Casambi bluetooth dimming to 1%

CONSTRUCTION

- Extruded aluminum housing
- Lexan™ (PC) Optimal connectivity for wireless control signal
- Impact and chemical resistant at the highest level
- Machined aluminum canopy
- SVT pendant cord

LED

- 90 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L₇₀ > 49,500 hrs
- 80 CRI: SDCM = 3-step MacAdam Ellipse, Lumen Maintenance: L₇₀ > 49,500 hrs

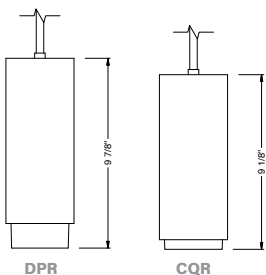
LISTING

- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- Suitable for dry and damp locations
- Made in the USA - meets the requirements of the Buy American provision within the ARRA
- 5 Year Limited warranty

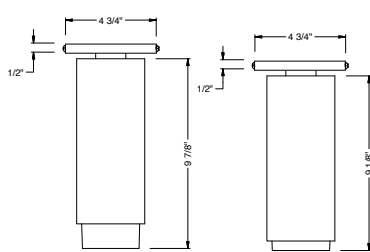
ELECTRICAL

- 120V-277V, 120 only Triac / ELV
- Power factory ≥ 0.9
- 2kV driver input surge protection
- Remote emergency test switch
- 7 W, 10W (T20 CEC) and 12W EM 90min battery

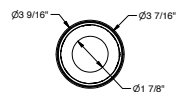
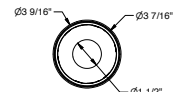
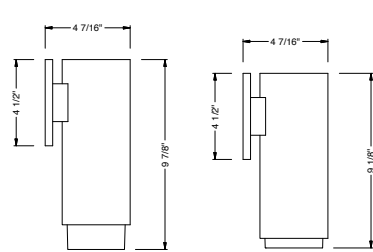
PENDANT



SURFACE MOUNT



WALL MOUNT



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SERIES	BETA	BETA
TYPE	3R	3" round
LED	SW	standard white
DELIVERED LUMENS	15LM	1100 lm
	10LM	840 lm
Standard Configuration: 3000K 80CRI CQR-S40		
Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier]		
CCT	27K	2700K
	30K	3000K
	35K	3500K
	40K	4000K
CRI	80	80 CRI
	90	90 CRI
OPTIC & LM MULTIPLIER	CQR-S40	40° CIRQUE RING with clear lens (1.00)
	CQR-D40	40° CIRQUE RING with diffused lens (0.93)
	DPR-S40	40° DROP RING with clear lens (0.98)
	DPR-D40	40° DROP RING with diffused lens (0.94)
FINISH	BK	black
	WH	white
	MC	matte chrome

ORDERING CODE		
MOUNTING OPTIONS SEE PAGE 4, 5	S	surface mount
	W	wall mount
	JCOV-S	conduit junction box cover with knockouts, surface
	P	pendant, 108" flexible cord
	RP	rigid pendant 4' stem with swivel stem/canopy
	RP5	rigid pendant 5' stem with swivel stem/canopy
	RP6	rigid pendant 6' stem with swivel stem/canopy
	RP8	rigid pendant 8' stem with swivel stem/canopy
	RP10	rigid pendant 10' stem with swivel stem/canopy
	RPF2	rigid pendant 2' with fixed stem/canopy
	RPF3	rigid pendant 3' with fixed stem/canopy
	RPF4	rigid pendant 4' with fixed stem/canopy
RPF6	rigid pendant 6' with fixed stem/canopy	
JCOV-XX¹	conduit junction box cover with knockouts, complete XX code with desired pendant mount	
VOLTAGE	I20	120V
	UNV	120V-277V
DIMMING	DIM10	0-10V dimming to 1%
	LUTP	Lutron Hi-lume Premier Ecosystem dimming to 0.1%, Soft-on & Fade-to-Black
	ELV1²	leading & trailing edge (Triac/ELV) dimming to 1%
	CAS	Casambi Bluetooth control with flicker free 1% dimming
ELECTRICAL OPTIONS	EM7	remote emergency battery backup, 90 minutes at 7 watts to LED
	EM12	remote emergency battery backup, 90 minutes at 12 watts to LED
	EM10CA20	remote emergency battery backup, 90 minutes at 10W to LED, CA title 20

YOUR COMPLETED ORDERING CODE	
Follow the steps to specify your fixture, example:	
BETA - 3R - SW - 15LM - 35K - 80 - CQR - S40 - UNV - DIM10 - P	

NOTES

- JCOV not available with RP mounting.
- ELV1 available in 120V.

*Slim canopy with rigid stem connection shall be used in jurisdictions that DO NOT require light fixtures to freely swing in lateral directions, complying with local and national building codes.

*RP mounting with swivel is recommended to be installed on a 4in square or 4in deep regress 2-1/8" octagonal junction box.

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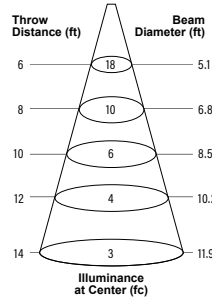
PHOTOMETRIC DATA

10LM CCT 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 / Distance²

CQR-D40 46° CIRQUE RING WITH DIFFUSED LENS



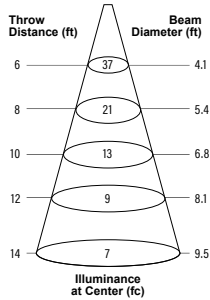
WATTS: 12.2 LPW: 64

LUMENS: 781 CCT: 3000K

INTENSITY

DEGREE	CANDELA
0	639
5	620
15	483
25	283
35	153
45	112

CQR-S40 37° CIRQUE RING WITH CLEAR LENS



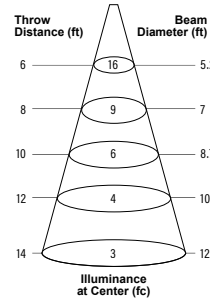
WATTS: 12.2 LPW: 68.8

LUMENS: 840 CCT: 3000K

INTENSITY

DEGREE	CANDELA
0	1099
5	1300
15	811
25	177
35	109
45	94

DPR-D40 47° DROP RING WITH DIFFUSED LENS



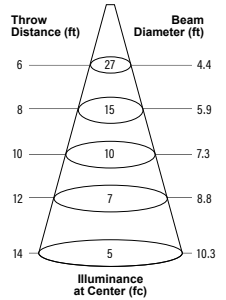
WATTS: 12.2 LPW: 64.7

LUMENS: 789 CCT: 3000K

INTENSITY

DEGREE	CANDELA
0	580
5	564
15	451
25	256
35	118
45	94

DPR-S40 40° DROP RING WITH CLEAR LENS



WATTS: 12.2 LPW: 67.7

LUMENS: 826 CCT: 3000K

INTENSITY

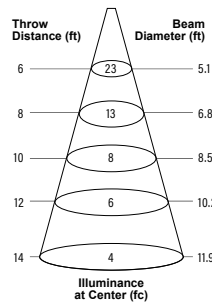
DEGREE	CANDELA
0	883
5	972
15	717
25	137
35	88
45	85

15LM CCT 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 / Distance²

20D 18.3° NO LENS



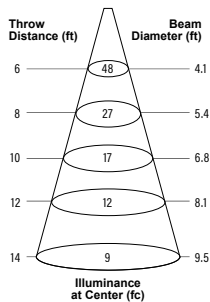
WATTS: 16.1 LPW: 63.6

LUMENS: 1025 CCT: 3000K

INTENSITY

DEGREE	CANDELA
0	839
5	814
15	634
25	371
35	201
45	147

CQR-S40 37° CIRQUE RING WITH CLEAR LENS



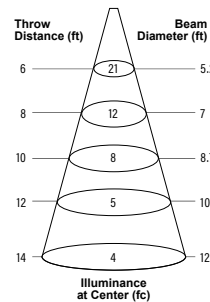
WATTS: 16.1 LPW: 68.5

LUMENS: 1103 CCT: 3000K

INTENSITY

DEGREE	CANDELA
0	1443
5	1706
15	1065
25	233
35	143
45	124

DPR-D40 47° DROP RING WITH DIFFUSED LENS



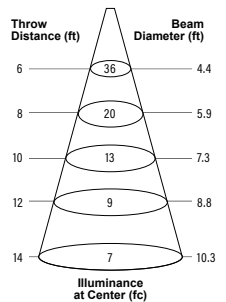
WATTS: 16.1 LPW: 64.3

LUMENS: 1035 CCT: 3000K

INTENSITY

DEGREE	CANDELA
0	761
5	740
15	592
25	336
35	155
45	123

DPR-S40 40° DROP RING WITH CLEAR LENS



WATTS: 16.1 LPW: 67.4

LUMENS: 1084 CCT: 3000K

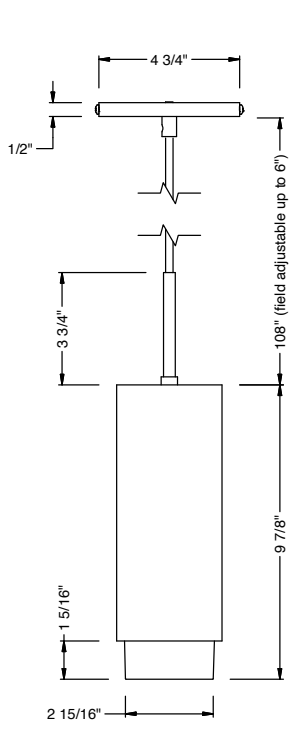
INTENSITY

DEGREE	CANDELA
0	1159
5	1275
15	941
25	179
35	116
45	111

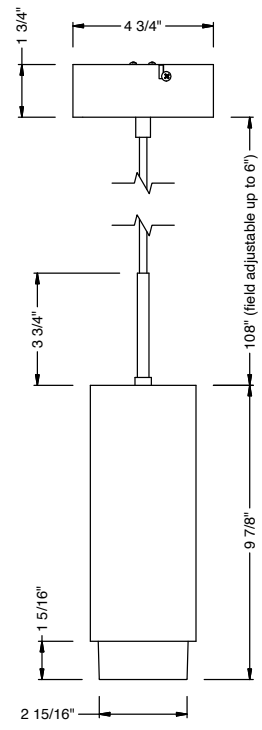
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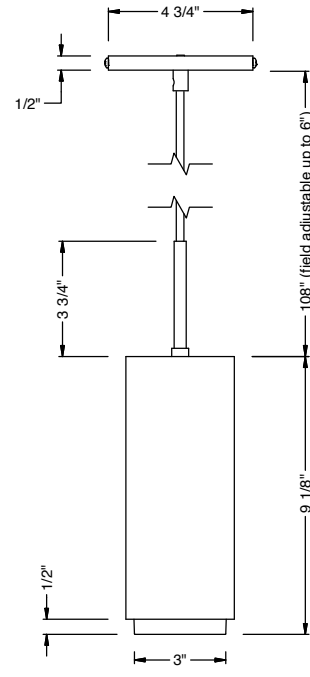
MOUNTING OPTIONS



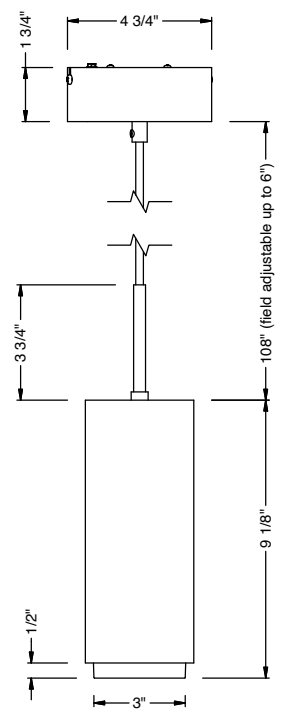
PENDANT - DPR
ELV1 / CAS



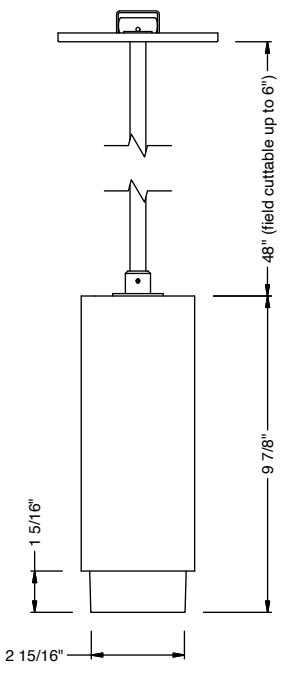
PENDANT - DPR
DIM10 / LUTP



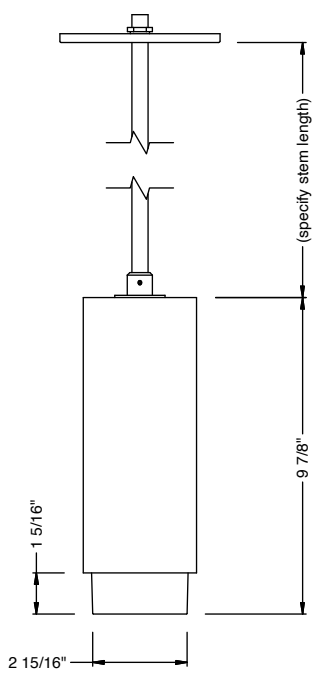
PENDANT - CQR
ELV1 / CAS



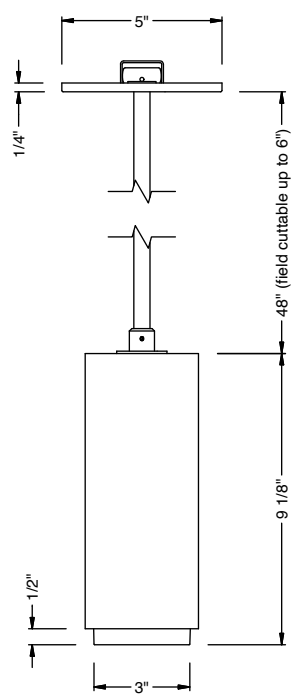
PENDANT - CQR
DIM10 / LUTP



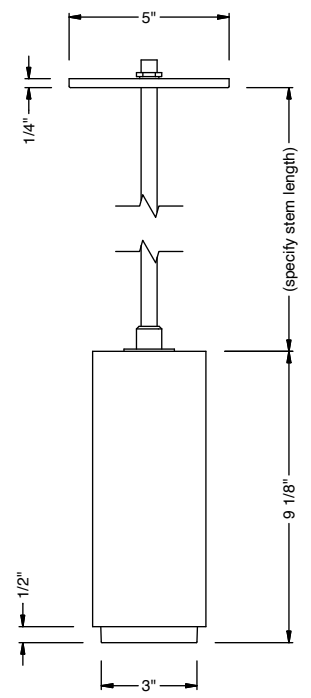
RP SWIVEL - DPR
DIM10 / ELV1 / CAS



RP FIXED - DPR
DIM10 / ELV1 / CAS



RP SWIVEL - CQR
DIM10 / ELV1 / CAS

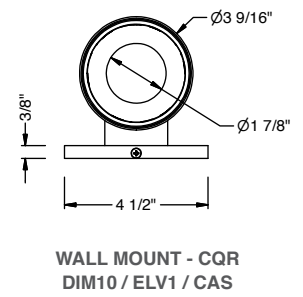
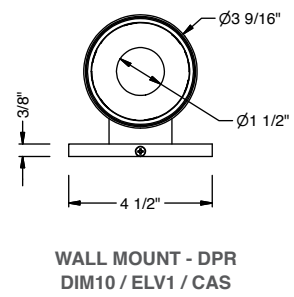
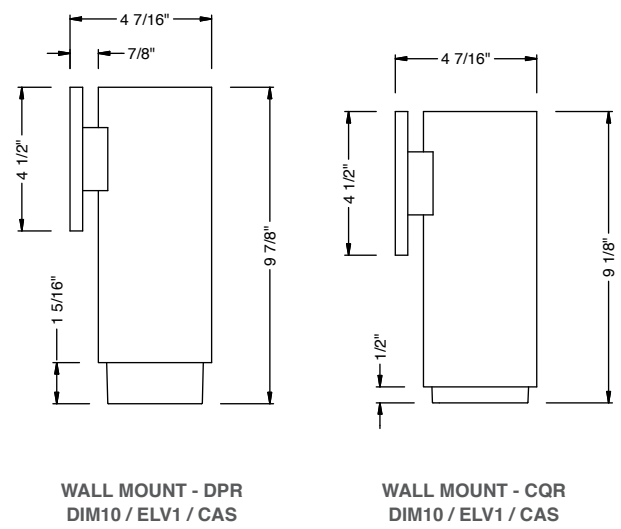
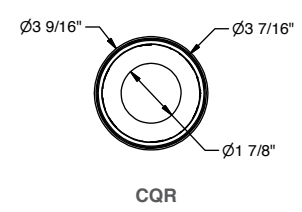
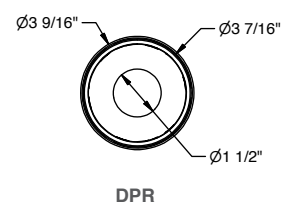
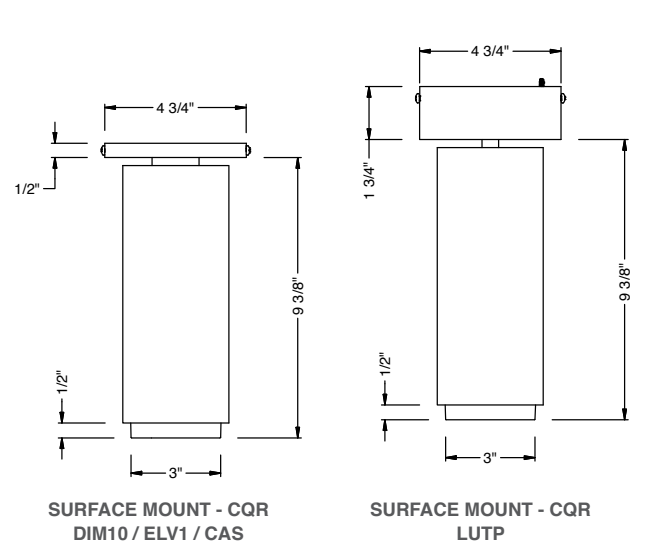
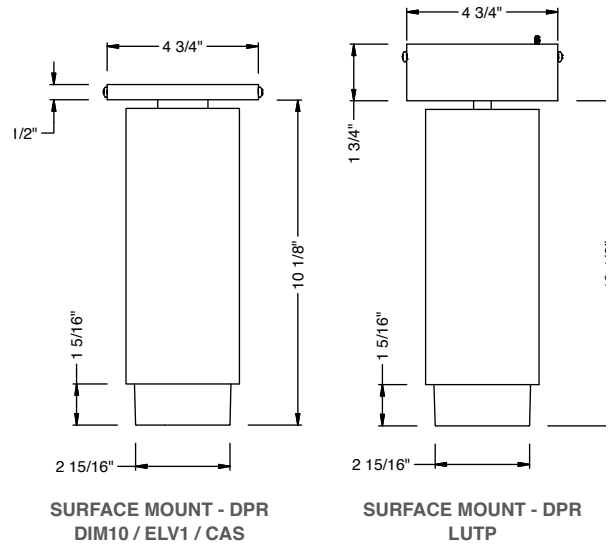


RP FIXED - CQR
DIM10 / ELV1 / CAS

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MOUNTING OPTIONS



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BATTERY OPTIONS

EMERGENCY BATTERY

IOTA's ILB battery backups are UL Listed LED emergency drivers that allow the same LED fixture to be used for both normal and emergency operation. In the event of a power failure, the ILB switches to the emergency mode and operates the existing fixture for 90 minutes. The unit contains a battery, charger, and converter circuit in a single can. The constant power design of the ILB maintains the output wattage to the LED array even as the system voltage diminishes. UL 924 Listed for U.S. and Canada. UL 1310 Certified, output class 2 compliant. Includes single-piece TBTS test switch and charge indicator accessory kit. For use with switched and unswitched fixtures, and includes two-wire universal AC input. Meets or exceeds all National Electric Code and Life Safety Code Emergency Lighting requirements. Rated for use in plenum, damp location, recessed type IC, and enclosed and gasketed luminaires.

REMOTE TEST SWITCH

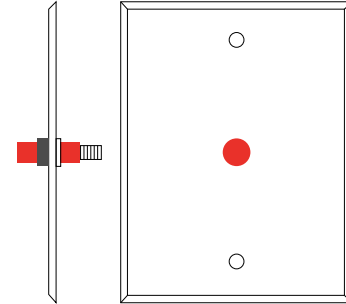
The remote test switch may be mounted adjacent to the LED Fixture by others.

EMERGENCY BATTERY ACCESS

Above ceiling access is recommended for ease of service.

REMOTE LOCATION

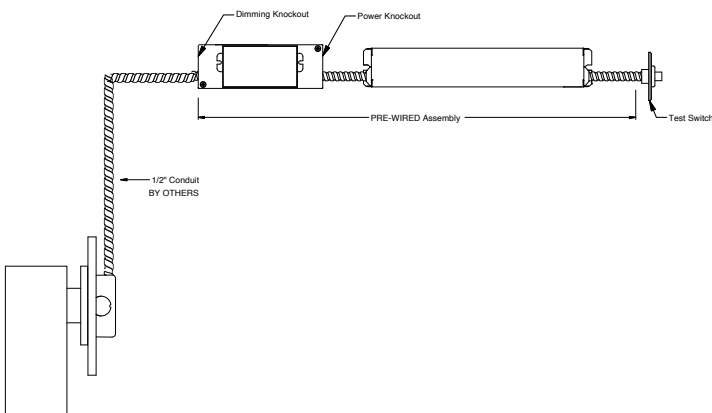
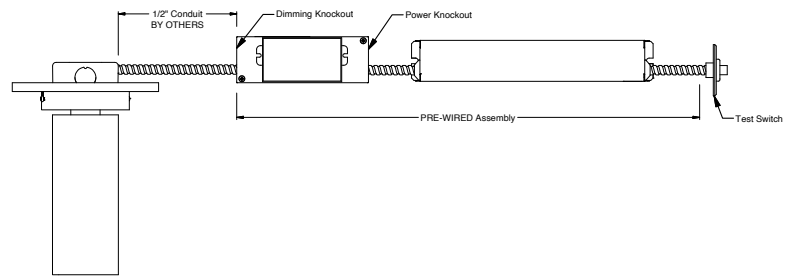
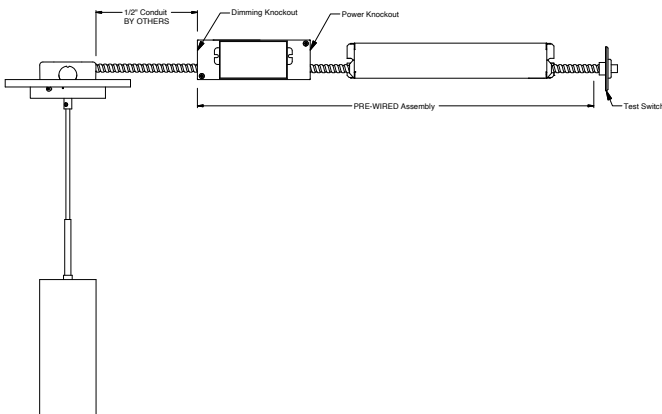
Maximum remote mounting distance of the emergency driver shall be 50 feet. Remote location wiring provided by others. Follow all local and national electric/building codes.



Remote Test Switch

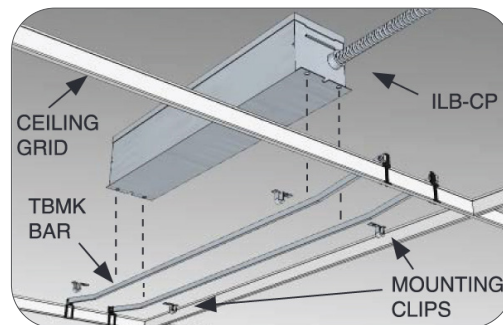
EM MODE OUTPUT (DELIVERED LUMENS)			
LUMEN ORDERING CODE	EM7	EM10	EM12
ALL OPTIONS (10LM TO 20LM)	470LM	670LM	880LM
Notes: Based on 30K, 80CRI			

REMOTE BATTERY



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.