alphabet

BETA 4

4" Cylinder Hyperbolic Standard White

35°-50° BEAM		
(Note: Specifications are subject to change without notice)		
14mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	1020LM @30K/80CRI	11W
15LM	1500LM @30K/80CRI	16W
20LM	1940LM @30K/80CRI	21W
10LM	870LM @30K/90CRI	11W
15LM	1280LM @30K/90CRI	16W
20LM	1650LM @30K/90CRI	21W
Notes	Delivered lumens based on 35D, White Bezel, 3000K (see page 2)	

LUTRON OEM ADVANTAGE ACCOUNT

CASAMBI

FEATURES

▪ Seamless extrusion with powder coated finish for clean aesthetics

▪ Thermally optimized for longevity

▪ 50° beam spread

▪ UGR < 5

▪ Micro slim canopy option at 1/4"-3/8" depth plus 1/2" diameter stem.

▪ Multiple mounting and finishes available

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

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 1%

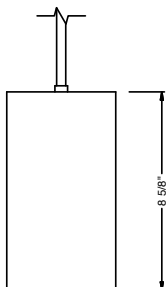▪ Casambi bluetooth dimming to 1%

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
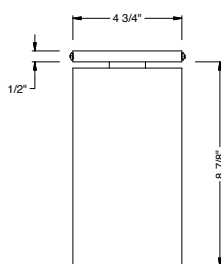
▪ 5 Year Limited warranty

CONSTRUCTION

▪ Extruded aluminum housing

▪ Lexan™ (PC) Optimal connectivity for wireless control signal

▪ Machined aluminum canopy

▪ SVT pendant cord

ELECTRICAL

▪ 120V-277V, 120 only Triac / ELV

▪ Power factory ≥ 0.9

▪ 2kV driver input surge protection

▪ Remote emergency test switch

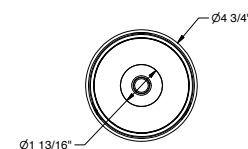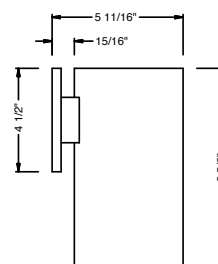▪ 7 W, 10W (T20 CEC) and 12W EM 90min battery

PENDANT

SURFACE MOUNT

4 3/4"
1/2"
8 7/8"

WALL MOUNT

5 11/16"
15/16"
4 1/2"
8 5/8"

Ø4 3/4"
Ø1 13/16"

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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.   v.9.7.23   Beta4R   Page 1 of 5

alphabet

ORDERING CODE

SERIES	BETA	BETA
TYPE	4RH	4" round hyperbolic
LED	SW	standard white

DELIVERED LUMENS	10LM	1020lm
	15LM	1500lm
	20LM	1940 lm

Standard Configuration: 3000K 80CRI 35D WH Bezel
Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Reflector Multiplier]

CCT	27K	2700K									
	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	0.85	1.03	0.88	1.06	0.91

CRI	80	80 CRI
	90	90 CRI

OPTIC & LM MULTIPLIER	35D	35 degrees	(1.00)
	50D	50 degrees	(0.93)

FINISH	BK	black
	WH	white
	MC	matte chrome

BEZEL COLOR	BK	black	(0.98)
	WH	white	(1.00)

ORDERING CODE

MOUNTING OPTIONS SEE PAGE 4	W	wall mount
	S	surface 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-XX[1]	conduit junction box cover with knockouts, complete XX code with desired pendant mount

VOLTAGE	120	120V
	UNV	120V-277V

DIMMING	DIM10	0-10V dimming to 1%
	LUTP[2]	Lutron Hi-lume Premier Ecosystem dimming to 0.1%, Soft-on & Fade-to-Black
	ELV1[3]	leading & trailing edge (Triac/ELV) dimming to 1%
	CAS	Casambi Bluetooth control with flicker free 1.0% 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 - 4RH - SW - 20LM - 30K - 80 - 50D - WH - WH - P - UNV - DIM10 - EM7

NOTES

1. JCOV not available with RP Mounting.
2. LUTP offered in 20LM and 15LM options.
3. 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.

TRIM OPTIONS

TRIM/BEZEL COLORS

Trim
Bezel

WH

BK

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v.9.7.23 Beta4R Page 2 of 5

alphabet

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 / Distance^2

35D-BK
35° REFLECTOR BLACK BEZEL

Throw Distance (ft)		Beam Diameter (ft)
6	68	3.8
8	38	5.1
10	24	6.4
12	17	7.7
14	12	9

Illuminance at Center (fc)
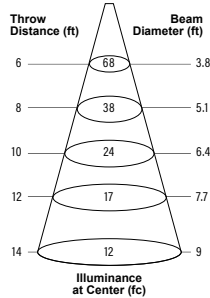
WATTS: 10.6	LPW: 87.4
LUMENS: 926	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	2437
5	2311
15	1481
25	588
35	52
45	7

50D-BK
46° REFLECTOR BLACK BEZEL

Throw Distance (ft)		Beam Diameter (ft)
6	44	5.1
8	25	6.8
10	16	8.5
12	11	10.3
14	8	12

Illuminance at Center (fc)
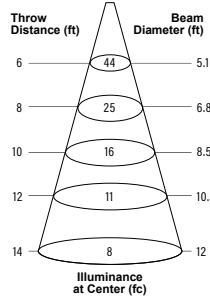
WATTS: 10.6	LPW: 79.7
LUMENS: 845	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	1573
5	1515
15	1137
25	661
35	143
45	6

35D-WH
37° REFLECTOR WHITE BEZEL

Throw Distance (ft)		Beam Diameter (ft)
6	66	4
8	37	5.3
10	24	6.6
12	16	8
14	12	9.3

Illuminance at Center (fc)
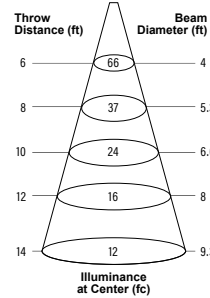
WATTS: 10.6	LPW: 96.2
LUMENS: 1019	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	2370
5	2256
15	1492
25	624
35	89
45	41

50D-WH
49° REFLECTOR WHITE BEZEL

Throw Distance (ft)		Beam Diameter (ft)
6	42	5.4
8	24	7.2
10	15	9
12	10	10.8
14	8	12.7

Illuminance at Center (fc)
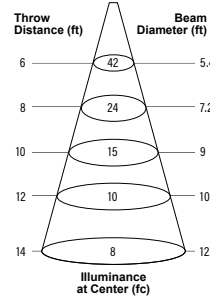
WATTS: 10.6	LPW: 92
LUMENS: 975	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	1508
5	1463
15	1159
25	706
35	192
45	52

40LM 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 / Distance^2

35D-BK
35° REFLECTOR BLACK BEZEL

Throw Distance (ft)		Beam Diameter (ft)
6	129	3.8
8	72	5.1
10	46	6.4
12	32	7.7
14	24	9

Illuminance at Center (fc)
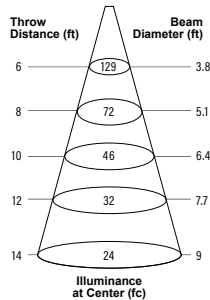
WATTS: 20.9	LPW: 84.3
LUMENS: 1762	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	4635
5	4397
15	2818
25	1119
35	98
45	13

50D-BK
46° REFLECTOR BLACK BEZEL

Throw Distance (ft)		Beam Diameter (ft)
6	83	5.1
8	47	6.8
10	30	8.5
12	21	10.3
14	15	12

Illuminance at Center (fc)
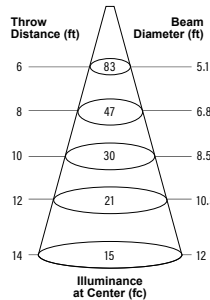
WATTS: 20.9	LPW: 76.9
LUMENS: 1607	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	2992
5	2881
15	2162
25	1257
35	272
45	12

35D-WH
37° REFLECTOR WHITE BEZEL

Throw Distance (ft)		Beam Diameter (ft)
6	125	4
8	70	5.3
10	45	6.6
12	31	8
14	23	9.3

Illuminance at Center (fc)
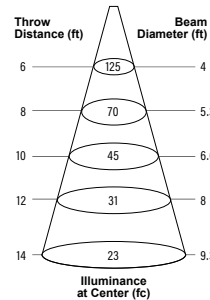
WATTS: 20.9	LPW: 92.8
LUMENS: 1939	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	4508
5	4292
15	2838
25	1188
35	170
45	78

50D-WH
49° REFLECTOR WHITE BEZEL

Throw Distance (ft)		Beam Diameter (ft)
6	80	5.4
8	45	7.2
10	29	9
12	20	10.8
14	15	12.7

Illuminance at Center (fc)
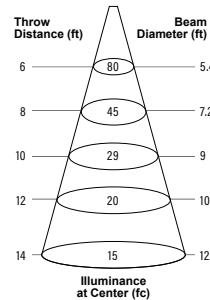
WATTS: 20.9	LPW: 88.7
LUMENS: 1854	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	2869
5	2783
15	2204
25	1342
35	366
45	99

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MOUNTING OPTIONS

4 3/4"
1/2"
3 13/16"
108" (field adjustable up to 6")
8 5/8"

PENDANT
ELV1 / CAS

4 3/4"
1 3/4"
3 3/4"
108" (field adjustable up to 6")
8 5/8"

PENDANT
DIM10 / LUTP

5"
1/4"
48" (field cuttable to 6")
8 5/8"

RP SWIVEL
DIM10 / ELV1 / CAS

5"
1/4"
(Specify stem length)
8 5/8"
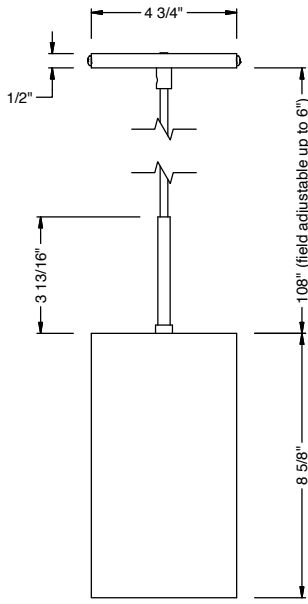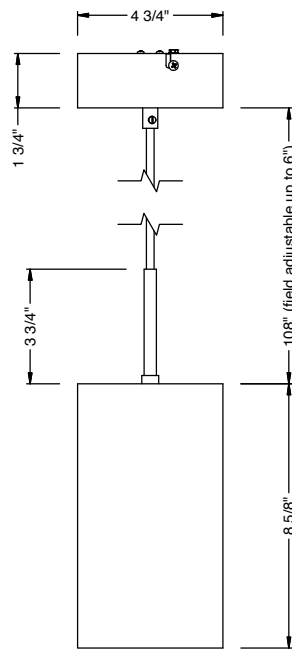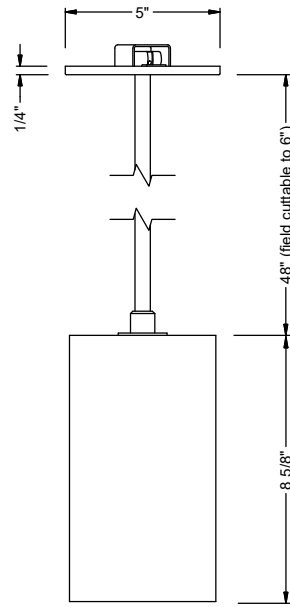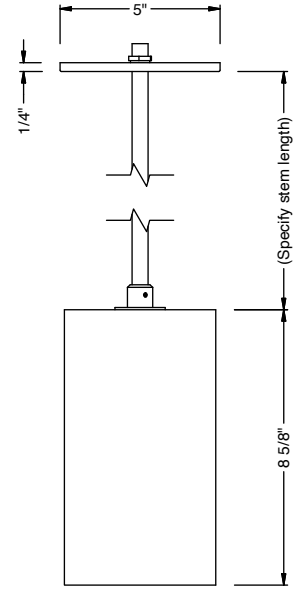
RP FIXED
DIM10 / ELV1 / CAS

Ø4 3/4"
Ø1 7/8"

4 3/4"
1/2"
8 7/8"
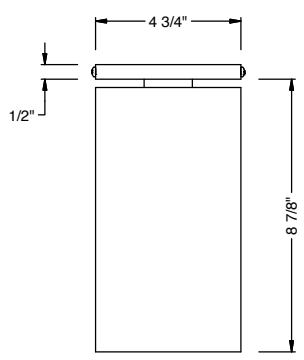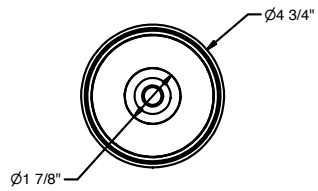
SURFACE MOUNT
DIM10 / ELV1 / LUTP / CAS
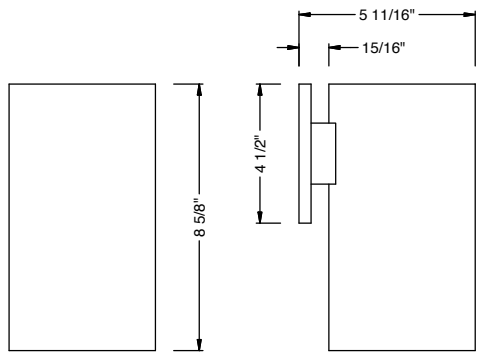
5 11/16"
15/16"
4 1/2"
8 5/8"
Ø4 3/4"
Ø1 13/16"
3/8"
4 1/2"

WALL MOUNT
DIM10 / ELV1 / LUTP / CAS

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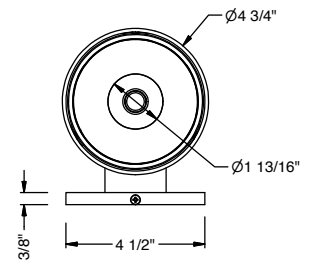
BATTERY OPTIONS

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.
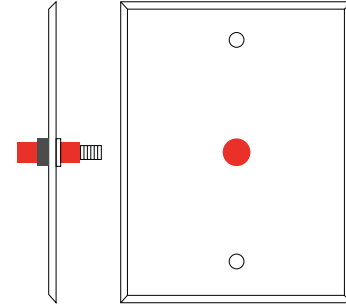
REMOTE TEST SWITCH

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

EMERGENCY BATTERY ACCESS

Above ceiling access is recommended for ease of service.
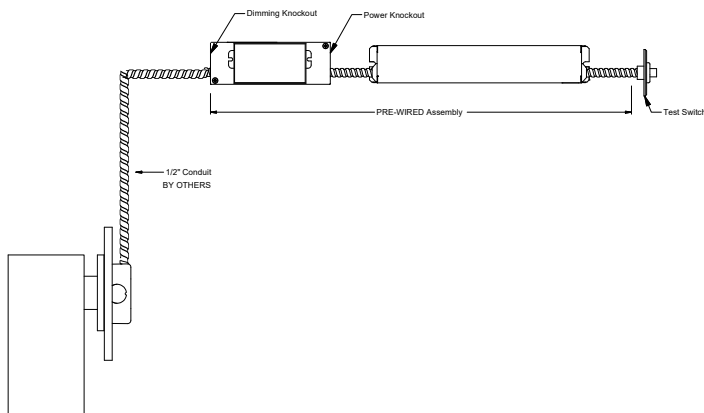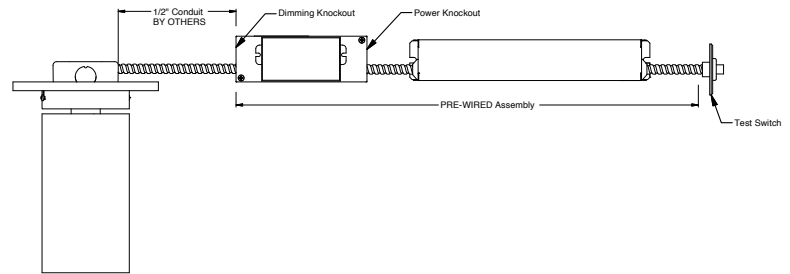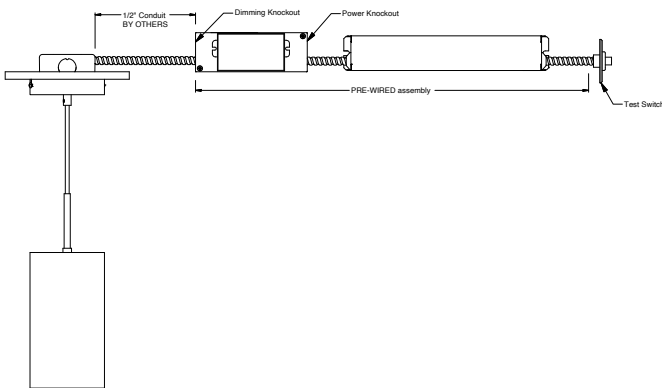
REMOTE LOCATION

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.
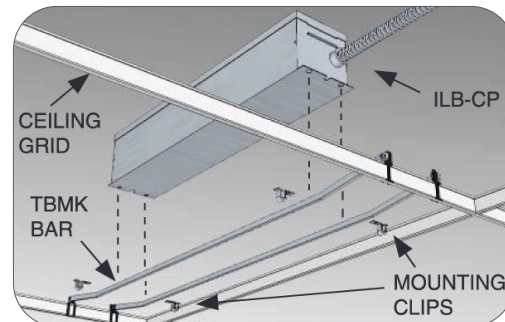

Remote Test Switch

EM MODE OUTPUT (DELIVERED LUMENS)			
LUMEN ORDERING CODE	EM7	EM10	EM12
ALL OPTIONS (15LM TO 35LM)	880LM	1280LM	1480LM
Notes: Based on 30K, 80CRI			

REMOTE BATTERY

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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