

LX PRO

Wall & Ceiling Mount Hospitality CCTs



PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

25° - 50° BEAM (Note: Specifications are subject to change without notice)		
14mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	990LM @24K/90CRI	10W
15LM	1540LM @24K/90CRI	16W
20LM	2070LM @24K/90CRI	22W
25LM	2550LM @24K/90CRI	29W
Notes	Delivered lumens based on 50D optic with no lens, (see page 2)	

12° BEAM (Note: Specifications are subject to change without notice)		
6mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	850LM @24K/90CRI	12W
15LM	1220LM @24K/90CRI	18W
Notes	Delivered lumens based on 12D optic with no lens, (see page 2)	

10° BEAM (Note: Specifications are subject to change without notice)		
4mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	700LM @24K/90CRI	12W
Notes	Delivered lumens based on 10D optic with no lens, (see page 2)	

FEATURES

- Seamless casting with textured finish for clean aesthetics
- Thermally optimized for longevity
- 10° - 50° beam spread
- UGR < 19
- Micro slim canopy option at 1/4"-3/8" depth plus 1/2" diameter stem
- Glare control options, specialty optics, lensing, accessories and custom RAL finishes available

DIMMING AND CONTROLS

- Flicker free 0-10V dimming to 1%
- Leading & trailing edge (Triac/ELV) dimming to 1%
- DALI-2 (DT-6) dimming to 1%
- Casambi dimming to 1%
- DMX dim to zero

CONSTRUCTION

- Casted aluminum housing
- PMMA optics
- Machined aluminum canopy
- SVT pendant cord

LED

- Cree CMU (or equal) LED: SDCM: 2-step MacAdam Ellipse, Lumen Maintenance: $L_{70} > 66,000$ hrs

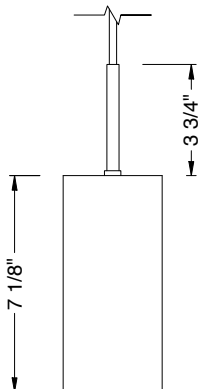
LISTING

- CSAus Listed to UL1598; cCSA Listed to CSA C22.2 #9.0
- Suitable for dry and damp locations
- 5 Year Limited warranty

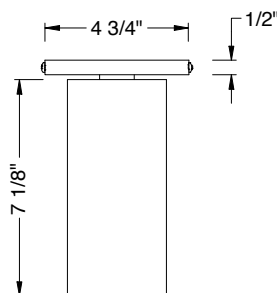
ELECTRICAL

- 120V-277V (Casambi, 0-10V, DALI-2 DT6, DMX)
- 120V (Triac / ELV)
- Power factor ≥ 0.9
- 2kV driver input surge protection

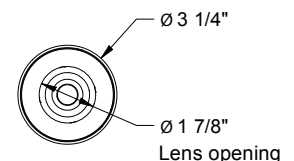
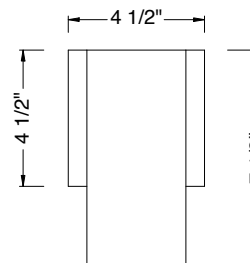
PENDANT



SURFACE MOUNT



WALL MOUNT



PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

ORDERING CODE					
SERIES	LX	LX			
TYPE	PRO	performance cylinder			
LED	SW	standard white			
DELIVERED LUMENS	10LM	990 lm			
	15LM	1540 lm			
	20LM	2070 lm			
	25LM	2550 lm			
	Standard Configuration: 2400K 50D NL Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Optic Multiplier] x [Lens Multiplier]				
CCT	22K	2200K	CCT	2200K	2400K
	24K		CRI	90+	90+
	CCT MULTIPLIER FOR LUMEN OUTPUT		0.92	1	
CRI	90	90 CRI			
OPTIC & LM MULTIPLIER SEE PAGE 4	10D ¹	10 degrees	(0.81)		
	12D ²	12 degrees	(0.90)		
	25D	25 degrees	(0.98)		
	30D	30 degrees	(0.94)		
	35D	35 degrees	(0.90)		
	50D	50 degrees	(1.00)		
	DZ1 ³	dynamic zoom 14° - 31°	(0.90)		
	DZ2 ⁴	dynamic zoom 21° - 40°	(0.89)		
LENS SEE PAGE 3	NL	no lens	(1.00)		
	CL	clear lens	(0.95)		
	DL	diffused lens	(0.92)		
	HCL	honeycomb louver	(0.74)		
	HET	high efficiency textured lens, similar to Solite™	(0.94)		
	SBL	smoothing beam lens	(0.95)		
	E	elliptical lens, 30° X 60°	(0.88)		
	AB	asymmetric beam lens	(0.85)		
	BW	batwing lens	(0.79)		
Maximum 2pcs of media per fixture.					
ACCESSORY SEE PAGE 2	NA	no accessory			
	BD ⁵	barndoor, black			
	SNT	snoot			
	SHNT	shroud snoot			
FINISH SEE PAGE 3	BK	black			
	WH	white			
	MC	matte chrome			
	CC ⁶	custom color, consult factory for details			
	When choosing CC option, DZ1/DZ2 finish (BK, WH, MC) must be specified. example: DZ1BK				

ORDERING CODE		
MOUNTING OPTIONS SEE PAGE 6 - 8	W	wall mount
	S	surface mount
	JCOV-S	conduit junction box cover with knockouts, surface pendant, 108" flexible cord
	P	conduit junction box cover with knockouts, pendant cord field adjustable
	JCOV-P	conduit junction box cover with knockouts, pendant cord field adjustable
	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, not field cuttable
	RPF3	rigid pendant 3' with fixed stem/canopy, not field cuttable
	RPF4	rigid pendant 4' with fixed stem/canopy, not field cuttable
	RPF6	rigid pendant 6' with fixed stem/canopy, not field cuttable
	JCOV-RPFX	conduit junction box cover with knockouts, complete X code with available lengths
	MP	monopoint canopy spot 24" field cuttable to 1"
VOLTAGE	JCOV-MP	conduit junction box cover with knockouts, monopoint 24" field cuttable to 1"
	MPD	monopoint direct spot mounts to ceiling
	WDS	wall direct spot
	120	120V
DIMMING	UNV	120V-277V
	DIM10	0-10V dimming to 1%
	DALIZ	DALI-2 (DT-6) dimming to 1%
	DMXZ ⁷	DMX dim to zero
	ELV1 ⁸	leading & trailing edge (Triac/ELV) dimming to 1%
	CAS	Casambi control with flicker free 1% dimming

YOUR COMPLETED ORDERING CODE	
Follow the steps to specify your fixture, example:	
LX - PRO - SW- 15LM - 24K - 90 - 50D - SBL - NA - WH - P - 120 - CAS	

NOTES

- 10D available in 10LM.
- 12D available in 10LM/15LM.
- DZ1 available in 10LM/15LM. Cannot be used with accessories or lenses.
- DZ2 available in all lumen packages. Cannot be used with accessories or lenses.
- Barndoor only available in standard BK finish.
- Custom finish can be applied to specific parts of fixture: Housing, stem, bezel, mounting and accessories. Custom set up fee plus minimum quantity required per color.
- DMXZ not available with P mounting option.
- ELV1 available in 120V.

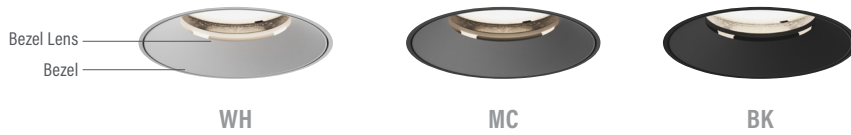
* Slim canopy with rigid stem connection shall be used in jurisdictions that DO NOT require light fixtures to freely swing in lateral directions, complying with local and national building codes.

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

PROJECT INFORMATION			
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BEZEL OPTIONS

BEZEL COLORS



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	≤5
25D	25.4	9.2
30D	27.8	11.8
35D	31.7	13
50D	44.5	16.8

NL

No Lens



OPTIC	BEAM ANGLE	UGR
10D	10.2	≤5
12D	12	6.5
25D	26	13.4
30D	29.5	16
35D	34.8	17.2
50D	52	19.4

UGR calculations based on 10LM for 10D

CL

Clear Lens



OPTIC	BEAM ANGLE	UGR
10D	10.4	5.9
12D	12	7.2
25D	26	13.8
30D	29.5	16.4
35D	34.8	16.9
50D	51	18.9

UGR calculations based on 10LM for 10D

DL

Diffused Lens



OPTIC	BEAM ANGLE	UGR
25D	40.9	21.4
30D	44.5	22.2
35D	48.3	22.9
50D	59	23.9

HET

High Efficiency Textured Lens



OPTIC	BEAM ANGLE	UGR
10D	17.4	8.5
12D	18.5	10.5
25D	28.9	15.7
30D	32.6	18
35D	37	18.7
50D	52	20.3

UGR calculations based on 10LM for 10D

SBL

Smoothing Beam Lens



OPTIC	BEAM ANGLE	UGR
10D	11.1	6.6
12D	12.8	8
25D	26.4	14.4
30D	29.8	17
35D	35.3	17.6
50D	52.2	19.5

UGR calculations based on 10LM for 10D

E

Elliptical Lens



OPTIC	BEAM ANGLE	UGR
25D	40x65	20x25
30D	44x68	21x26
35D	47x71	22x26
50D	57x83	23x27

BW

Batwing Lens



OPTIC	BEAM ANGLE	UGR
25D	40x75	22x26
30D	44x78	23x26
35D	48x81	23x26
50D	51x88	23x27

AB

Asymmetric Beam Lens



OPTIC	BEAM ANGLE	UGR
25D	30	NA
30D	35	NA
35D	39	NA
50D	52	NA

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PHOTOMETRIC DATA

15LM	
	90CRI
90CRI	0.92
0.92	1
FC Formula = CBCP / Distance ²	

25D 26° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	151
8	85
10	54
12	38
14	28
Illuminance at Center (fc)	
2.8	3.7
4.6	5.6
6.5	
WATTS: 16.1	LPW: 91.6
LUMENS: 1474	CCT: 2400K
INTENSITY	
DEGREE	CANDELA
0	5432
5	4938
15	2206
25	601
35	129
45	46

30D 30° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	112
8	63
10	40
12	28
14	21
Illuminance at Center (fc)	
3.2	4.2
5.3	6.3
7.4	
WATTS: 16.1	LPW: 88.3
LUMENS: 1421	CCT: 2400K
INTENSITY	
DEGREE	CANDELA
0	4041
5	3666
15	1974
25	734
35	185
45	67

35D 35° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	83
8	47
10	30
12	21
14	15
Illuminance at Center (fc)	
3.8	5
6.3	7.6
8.8	
WATTS: 16.1	LPW: 84
LUMENS: 1353	CCT: 2400K
INTENSITY	
DEGREE	CANDELA
0	2994
5	2799
15	1759
25	810
35	224
45	69

50D 52° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	57
8	32
10	20
12	14
14	10
Illuminance at Center (fc)	
5.9	7.8
9.8	11.7
13.7	
WATTS: 16.1	LPW: 95.7
LUMENS: 1541	CCT: 2400K
INTENSITY	
DEGREE	CANDELA
0	2049
5	2036
15	1719
25	1091
35	487
45	55

25LM	
	90CRI
2200K	0.92
2400K	1
FC Formula = CBCP / Distance ²	

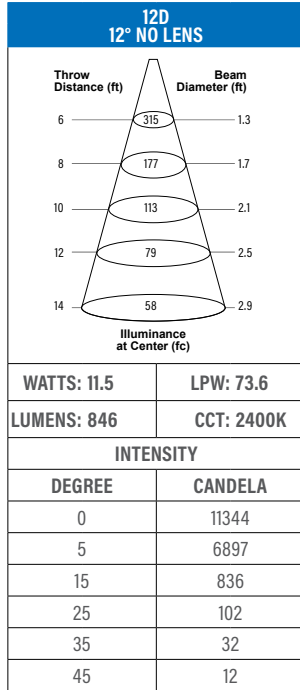
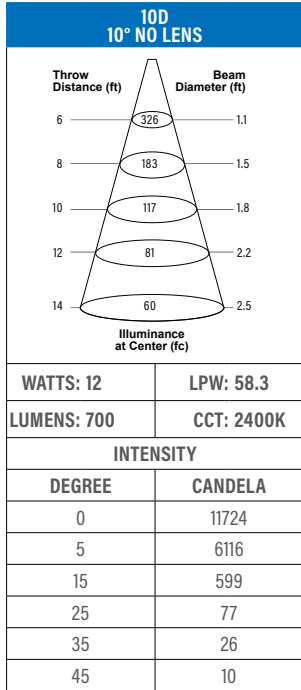
25D 26° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	249
8	140
10	90
12	62
14	46
Illuminance at Center (fc)	
2.8	3.7
4.6	5.6
6.5	
WATTS: 28.6	LPW: 85.2
LUMENS: 2436	CCT: 2400K
INTENSITY	
DEGREE	CANDELA
0	8977
5	8161
15	3646
25	993
35	214
45	76

30D 30° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	186
8	104
10	67
12	46
14	34
Illuminance at Center (fc)	
3.2	4.2
5.3	6.3
7.4	
WATTS: 28.6	LPW: 82.1
LUMENS: 2348	CCT: 2400K
INTENSITY	
DEGREE	CANDELA
0	6679
5	6058
15	3263
25	1212
35	306
45	111

35D 35° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	137
8	77
10	49
12	34
14	25
Illuminance at Center (fc)	
3.8	5
6.3	7.6
8.8	
WATTS: 28.6	LPW: 78.2
LUMENS: 2236	CCT: 2400K
INTENSITY	
DEGREE	CANDELA
0	4947
5	4625
15	2907
25	1339
35	370
45	114

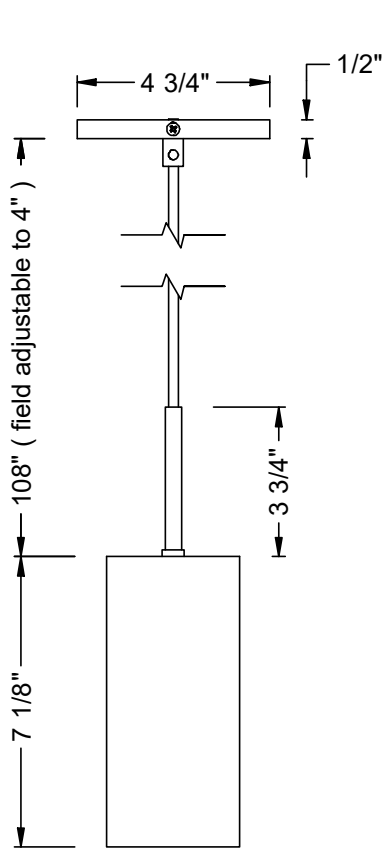
50D 52° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	94
8	53
10	34
12	24
14	17
Illuminance at Center (fc)	
5.9	7.8
9.8	11.7
13.7	
WATTS: 28.6	LPW: 89
LUMENS: 2546	CCT: 2400K
INTENSITY	
DEGREE	CANDELA
0	3386
5	3365
15	2841
25	1803
35	804
45	90

10LM	
	90CRI
2200K	0.92
2400K	1
FC Formula = CBCP / Distance ²	

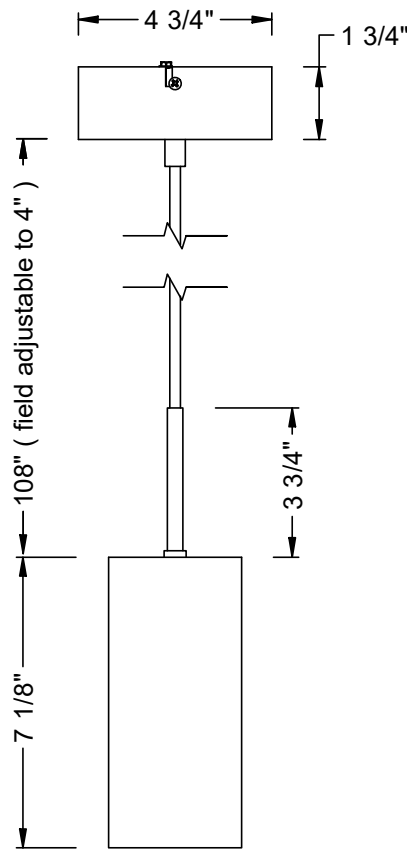


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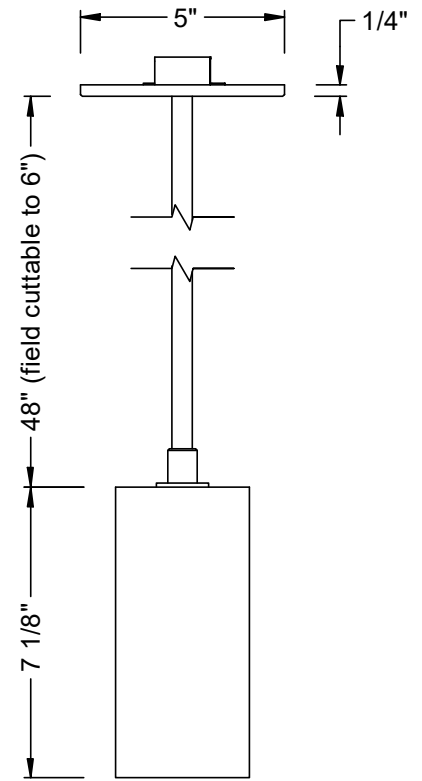
MOUNTING OPTIONS



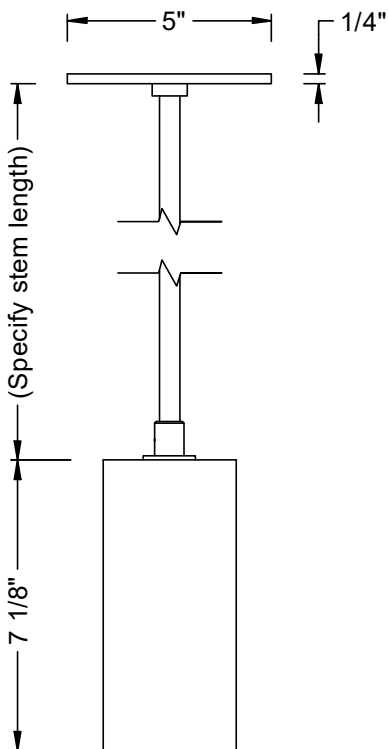
PENDANT
ELV1 / CAS



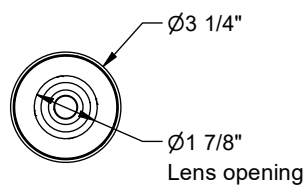
PENDANT
DIM10



RP SWIVEL
DIM10 / ELV1 / CAS / DMXZ

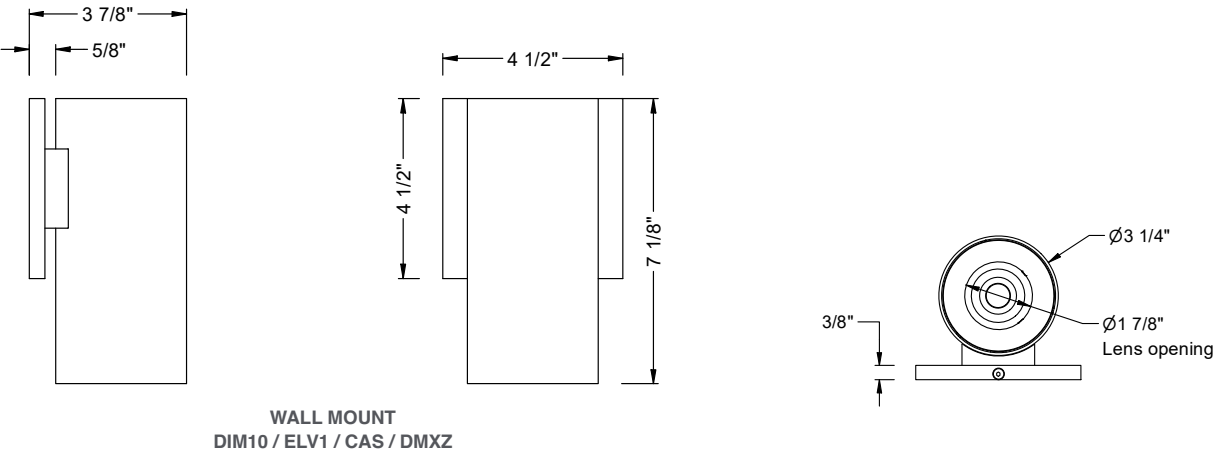
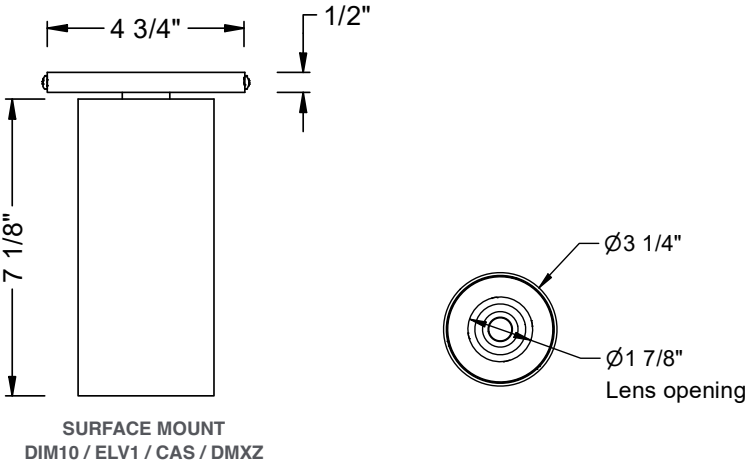


RPF FIXED
DIM10 / ELV1 / CAS / DMXZ



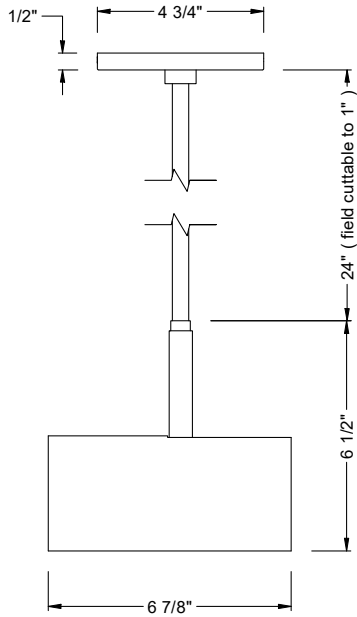
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MOUNTING OPTIONS

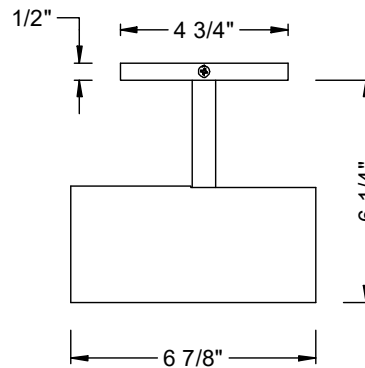


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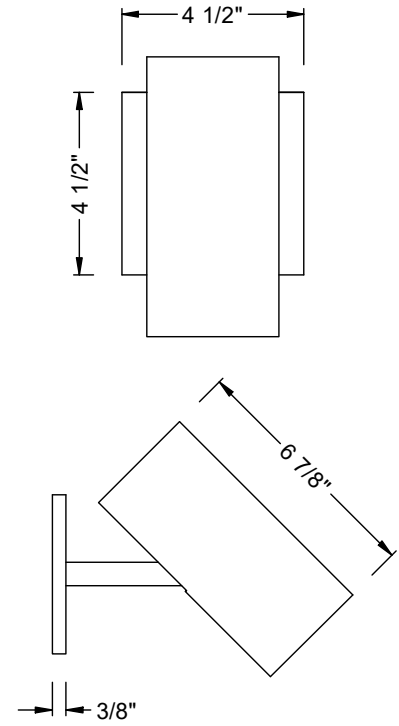
MOUNTING OPTIONS



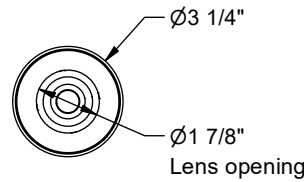
MONOPOINT
DIM10 / ELV1 / CAS / DMXZ



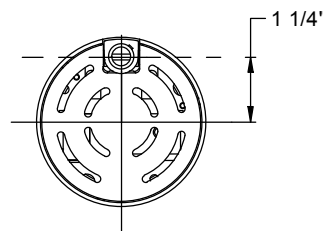
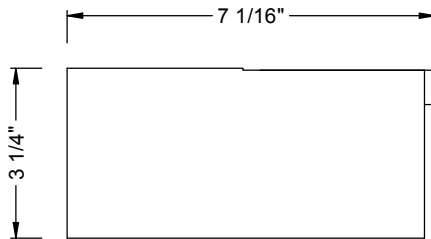
MONOPOINT DIRECT
DIM10 / ELV1 / CAS / DMXZ
Monopoint direct can be mounted on ceiling only



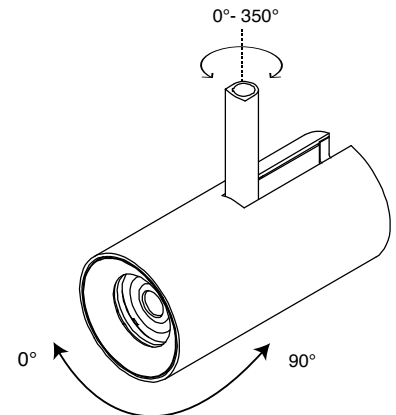
WALL DIRECT SPOT
DIM10 / ELV1 / CAS / DMXZ



Lens opening



PIVOT FULCRUM

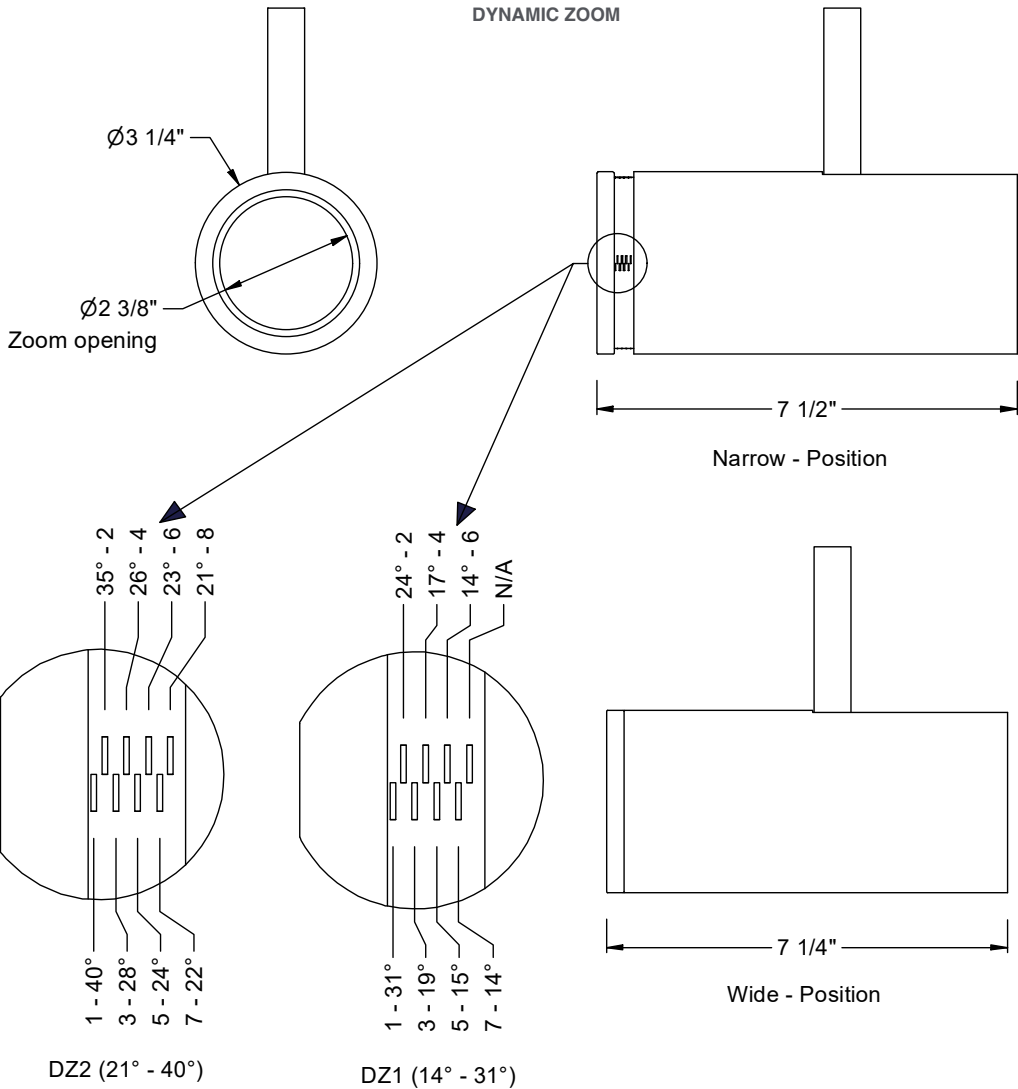


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DYNAMIC ZOOM - SPOT



LX MECHANICAL ZOOM				
SW (LED)				
ZOOM	POSITION	CBCP	LUMENS	BEAM
DZ1 (6MM COB PERFORMANCE BASED ON 15LM PACKAGE)	1	4100	1090	31
	2	5900	1060	24
	3	8400	1040	19
	4	10800	1010	17
	5	12100	980	15
	6	12200	940	14
	7	11900	930	14
ZOOM	POSITION	CBCP	LUMENS	BEAM
DZ2 (14MM COB PERFORMANCE BASED ON 25LM PACKAGE)	1	4400	2350	40
	2	5600	2340	35
	3	7600	2320	28
	4	8500	2290	26
	5	9600	2210	24
	6	10000	2150	23
	7	10100	2050	22
	8	9800	1950	21

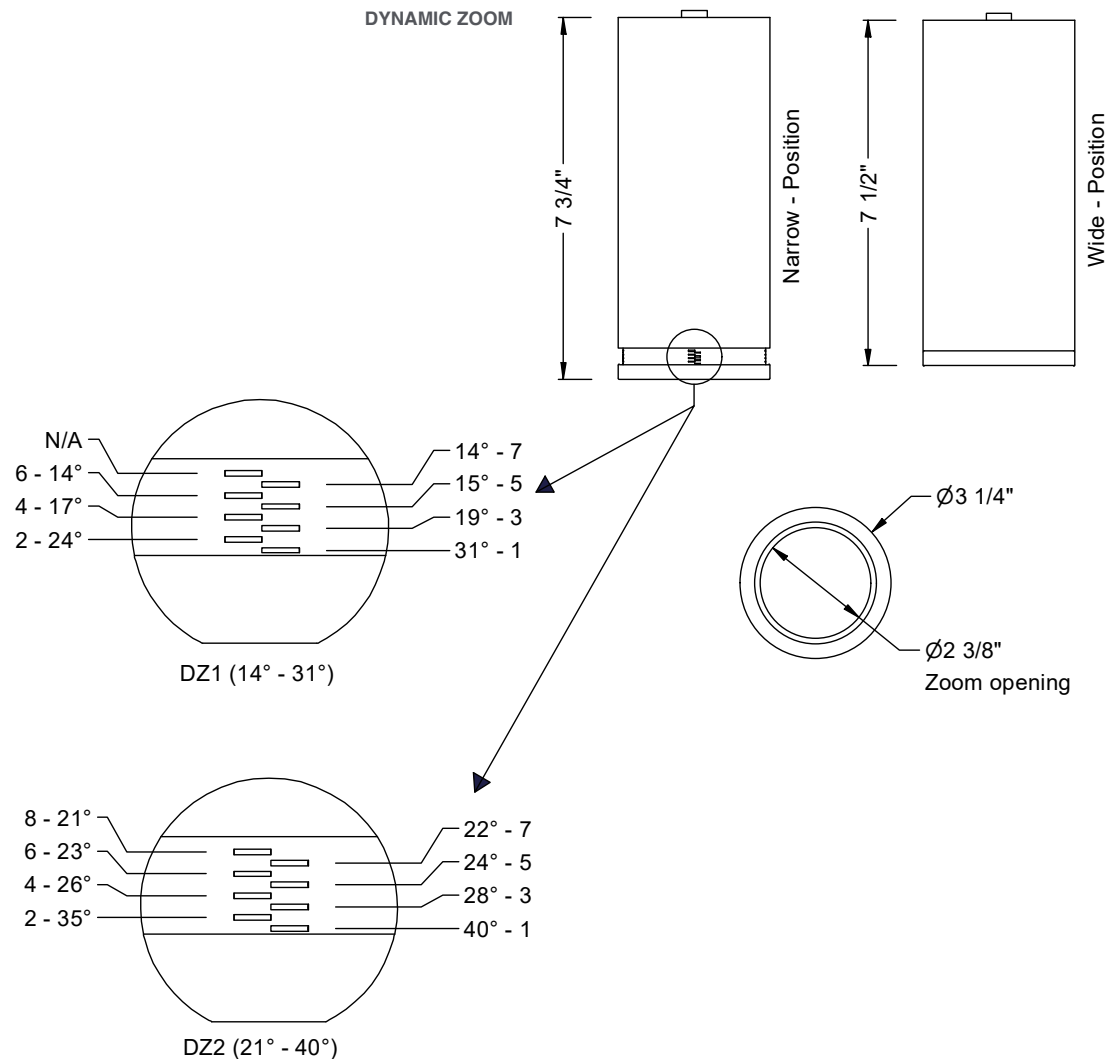


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DYNAMIC ZOOM - PENDANT



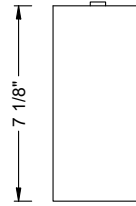
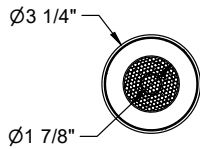
LX MECHANICAL ZOOM				
SW (LED)				
ZOOM	POSITION	CBCP	LUMENS	BEAM
DZ1 (6MM COB PERFORMANCE BASED ON 15LM PACKAGE)	1	4100	1090	31
	2	5900	1060	24
	3	8400	1040	19
	4	10800	1010	17
	5	12100	980	15
	6	12200	940	14
	7	11900	930	14
ZOOM	POSITION	CBCP	LUMENS	BEAM
DZ2 (14MM COB PERFORMANCE BASED ON 25LM PACKAGE)	1	4400	2350	40
	2	5600	2340	35
	3	7600	2320	28
	4	8500	2290	26
	5	9600	2210	24
	6	10000	2150	23
	7	10100	2050	22
	8	9800	1950	21



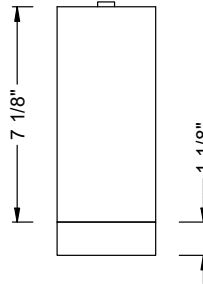
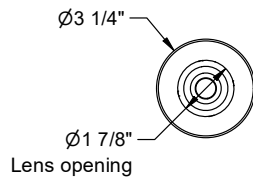
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ACCESSORIES

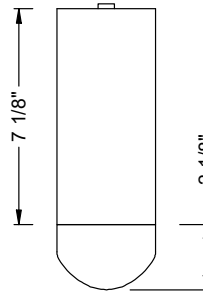
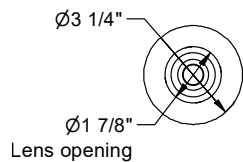
HONEYCOMB LOUVER



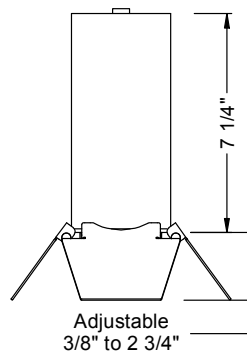
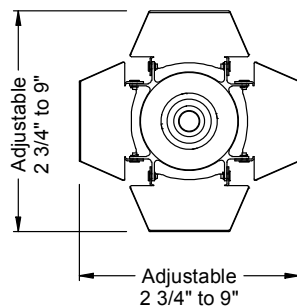
SNOOT



SHROUD SNOOT



BARNDOOR



Accessories Ordering Codes^{1,2}

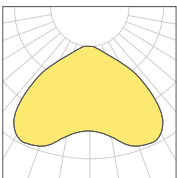
BDBK	barndoor, black (Cat. No. K20338BK)
SNTBK	snoot, black (Cat. No. K20336BK)
SNTWH	snoot, white (Cat. No. K20336WH)
SNTMC	snoot, matte chrome (Cat. No. K20336MC)
SHNTBK	shroud snoot, black (Cat. No. K20337BK)
SHNTWH	shroud snoot, white (Cat. No. K20337WH)
SHNTMC	shroud snoot, matte chrome (Cat. No. K20337MC)

Lens Ordering Codes^{1,2}

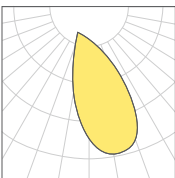
HCL	honeycomb louver (Cat. No. 81329)
E	elliptical lens, 30° X 60° (Cat. No. 74211-ELP)
SBL	smoothing beam lens (Cat. No. 74211-SBL)
DL	diffused lens (Cat. No. 74211)
BW	batwing lens (Cat. No. 74211-BW)
AB	asymmetric beam lens (Cat. No. 74211-AB)
HET	high efficiency textured lens, similar to Solite™ (Cat. No. 74211-HET)
CL	clear lens (Cat. No. 74211-CL)
CF-RD ³	color filter - red (Cat. No. 74288-RD)
CF-BL ³	color filter - blue (Cat. No. 74288-BL)
CF-GR ³	color filter - green (Cat. No. 74288-GR)
CF-AM ³	color filter - amber (Cat. No. 74288-AM)
BRT	bezel removal tool (Cat. No. 81639)

1. To order additional accessory or lens only use the catalog number.
2. Maximum 2pcs of media per fixture.
3. Maximum 1pcs of media per fixture.

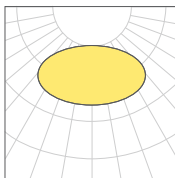
LIGHT DISTRIBUTION



BATWING



ASYMMETRIC



ELLIPSE 30° X 60°