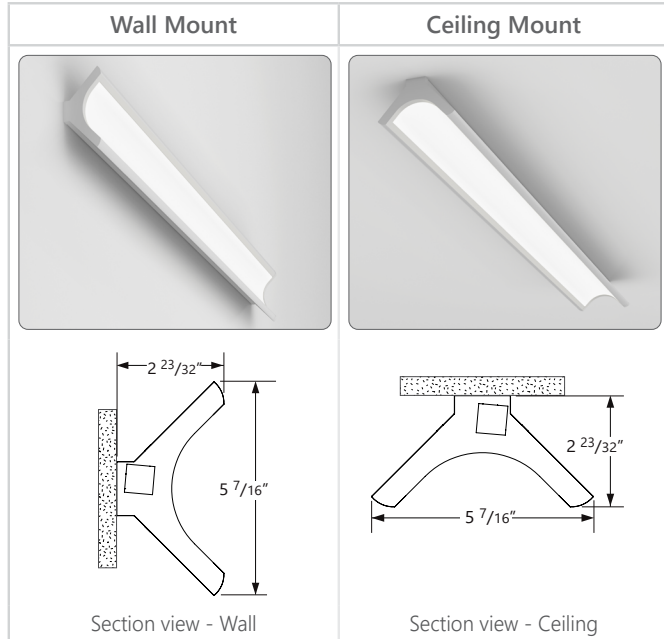


ELLE 45°

Wall or Ceiling Mount

Not recommended for use in Behavioral Health facilities



Project _____

Type _____

Notes _____

- Curved illuminated surface enabled by patent-pending BeWell™ CLS lightguide technology
- Tunable white or static CCT options
- Hairline joiner for continuously illuminated runs
- Integral Axis mini constant current driver, 0-10V dimming standard
- Individual lengths up to 8 ft
- Ceiling mount is compatible with TB9/16 and TB15/16 T-bars (MT).
- Drywall flange rail for wall mounting embeds in 5/8" (min.) drywall without stud modification

Ordering Guide

EL45		BC				CLS							
PRODUCT ID	LINE	NOM. LUMENS/FT		CRI		COLOR TEMP.		SHIELDING	TOTAL LENGTH	FINISH			
EL45 Elle 45° Wall or Ceiling Mount	BC Healthcare	350	350 lm/ft - Min	80	80 CRI	27	2700 K*	CLS Curved Lens	1.5	1.5' - min*	AMA	antimicrobial aluminum paint	
		1000	1000 lm/ft - Max	90	90 CRI	30	3000 K		8	8' - max*	AMW	antimicrobial white	
						35	3500 K		S(L)	system run	BLK	black	
						40	4000 K				C	custom	
						TW2750	2700-5000 K - Tunable White**						
						TW2765	2700-6500 K - Tunable White**						
		Outputs between listed min and max are available. Consult factory for outputs outside of the listed range.				* Consult factory for 90 CRI. ** Consult Axitune technical sheet for more information of color technology. ** Remote driver only; 2ft minimum luminaire length				* Specify length. 0.5 ft increments available. 1.5 ft minimum and up to 8 ft for stand alone. For all other lengths and related outputs, please consult factory; 2 ft minimum with tunable white.			

MOUNTING POSITION	VOLTAGE	DRIVER		CIRCUITS	MOUNTING/SUSPENSION
WS wall surface	120 120 V	DP	dimming (0-10V) 1% - integral*	1	1 circuit
CS ceiling surface	277 277 V	LT	Lutron - remote **	+E(#)	emergency circuit*
	347 347 V*	O	other - remote***		
	UNV universal	TW(#)	tunable white drivers**		
	DC low voltage**	POE(#)	POE drivers - remote**		
	* Remote driver only. ** Only available with POE drivers.	* Not available with 347V ** Specify system, see page 2. Remote only. *** Please consult factory; see page 2		* Specify quantity	* 5/8" minimum drywall thickness required.

END CAP	BATTERY - REMOTE (OPTIONAL)	OTHER (OPTIONAL)	CUSTOM (OPTIONAL)
FL flat	BR(#) remote battery pack	EF end feed*	C custom
ST step*			
* Not available with CS - Ceiling Surface mount.	Remote only	* Not available with flex whip wiring. Cord is included (3 ft cord length standard; consult factory for other lengths.)	Please specify

● SPECIFICATIONS

CONSTRUCTION

Housing	Extruded aluminum (0.075" nominal) Up to 70% recycled content
End Cap	Cast aluminum
Interior Brackets	Die formed sheet steel (24 gauge)
Lenses	Dual optical system with curved PMMA light guide and polycarbonate lens for added impact protection

● ELECTRICAL

Mini driver	ELLE features integral mini driver technology. 0-10V dimming standard.
Lutron driver*	LDE1 - EcoSystem H-Series (1%) *Consult factory
Other drivers*	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex Xitanium SR - For wireless sensor *Consult factory
Tunable White TW driver options (remote only)	DALIDT6 - DALI Type 6 (Two DALI Addresses) DALIDT8 - DALI Type 8 (One DALI Address)
Power over Ethernet POE drivers* (consult factory for more information) UL2108 certified for integral or remote driver	MOLEX IGOR O - Other (Consult factory)
Emergency*	Remote emergency battery pack or emergency circuit optional. *Consult factory
Input Voltage	120V, 277V, UNV.

i Incorporating these components may have limitations or affect the length of the luminaire, please contact factory for more details.

● WEIGHT

4 ft	9.7 lbs / 4.4 kg
8 ft	19.4 lbs / 8.8 kg

● OPTICS



BeWell Optics - CLS (Curved Luminous Surface)

Axis' BeWell™ light guide technology provides multiple precise distribution options to deliver the many layers of light required in healthcare environments. The patent pending Curved Luminous Surface optic (CLS) allows for visual comfort through controlled luminance while offering superior lens uniformity

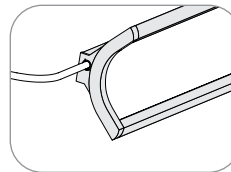
● LED SYSTEM

CRI	Minimum 80 or 90 color rendering index.
CCT	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 2.5-step MacAdam ellipse). Both within fixture and fixture to fixture.
CCT Axitune Systems	Consult Axitune technical sheet for more information on color technology.
LED life	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
Thermal Management	Aluminum housing acting as the heat sink to maximize life.
Environment	Dry and damp rated for indoor use only in operating ambient temperatures of 0° to 40°C (32° to 104°F).

● SYSTEM S(L)

ELLE linear systems, with the use of a strong profile, allow for a nearly hair thin connection system of continuous runs. Lengths of 2', 3', 4', 8' as well as custom lengths are available. Runs of ELLE that are greater than 8' in length are designated as systems (S(L)). This means that the run is comprised of a combination of 4' to 8' sections to be assembled on site using our joining system. For more information on systems and joining, please refer to the ELLE installation sheets available for download at www.axislighting.com.

● END FEED (OPTIONAL)



End feed power supply wiring is available for installations without back-feed wiring access.

● WARRANTY

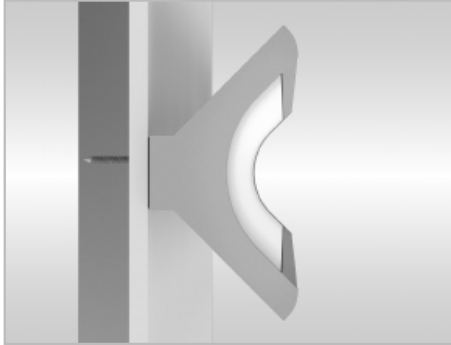
Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at axislighting.com.

i Specification sheets and installation sheets for all mountings for ELLE luminaires are available for download at www.axislighting.com.

Mounting flexibility, multiple application solutions

Choose from surface mount (MT) or recessed mount (DF) or spackle mount (DS) rails.

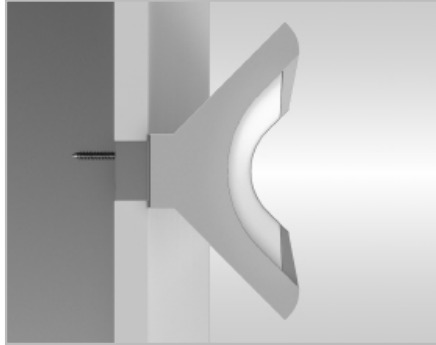
**SURFACE MOUNT
RAIL (MT)**



Compatible with TB9/16 and
TB15/16 for CS mounting

**DRYWALL FLANGE
(DF)***

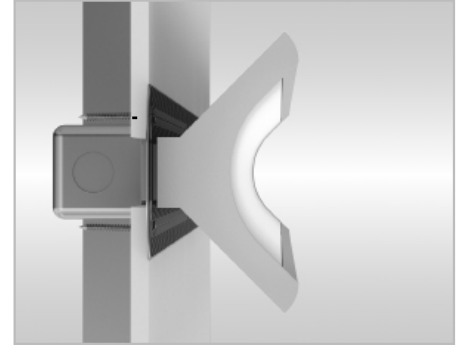
Flush with wall



*min 5/8 thick drywall

**DRYWALL SPACKLE
(DS)**

Flush with wall



PERFORMANCE AT 3500K FOR 4 FOOT LUMINAIRE

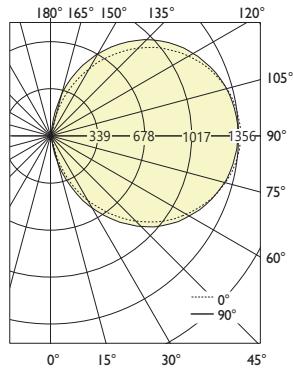
NOMINAL LUMEN OUTPUT	LUMINAIRE LUMENS	INPUT WATTS*	EFFICACY	Estd. L85 LED Life (hrs.)
350 lm/ft	1400 lm	14.20 W	99 lm/W	50000, min
750 lm/ft	3000 lm	30.42 W	99 lm/W	50000, min
1000 lm/ft	4000 lm	40.55W	99 lm/W	50000, min

Please consult factory for custom lumen output and wattage.

● PHOTOMETRIC DATA

PHOTOMETRIC CURVE

Wall Mount - 1000 lm/ft



Luminaire Lumens: 4002 lm
Input Watts: 40.55W
Efficacy: 99 lm/W

IES FILE: EL45-AR-1000-80-35-CLS-4-W-WS.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	2	2	2	2	2
5	3	7	29	50	58
15	4	72	180	276	315
25	8	142	377	510	562
35	17	247	524	705	779
45	27	334	646	876	973
55	33	379	750	1013	1125
65	38	408	825	1120	1237
75	27	426	875	1191	1315
85	11	431	896	1221	1352
90	3	425	894	1224	1356
95	11	428	894	1223	1351
105	29	418	870	1190	1310
115	42	395	818	1120	1229
125	44	357	738	1011	1111
135	45	305	627	866	951
145	33	231	496	679	747
155	20	143	340	473	520
165	12	53	162	243	269
175	5	9	15	18	17
180	0	0	0	0	0

ZONAL LUMENS

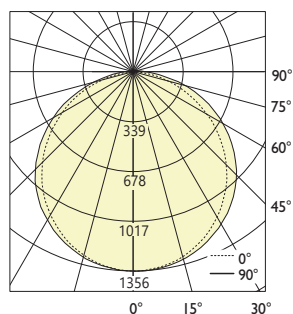
Zone	Lumens
0	
0-10	3
10-20	26
20-30	77
30-40	149
40-50	229
50-60	305
60-70	370
70-80	417
80-90	439
90	
90-100	439
100-110	416
110-120	368
120-130	301
130-140	224
140-150	143
150-160	72
160-170	23
170-180	2
180	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	313	7485	11270
55	466	10706	16076
65	743	15993	23977
75	866	27692	41618
85	1021	84194	127119

PHOTOMETRIC CURVE

Ceiling Mount - 1000 lm/ft



Luminaire Lumens: 4013 lm
Input Watts: 40.55W
Efficacy: 99 lm/W

IES FILE: EL45-AR-1000-80-35-CLS-4-W-CS.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1356	1356	1356	1356	1356
5	1340	1340	1342	1346	1351
15	1297	1297	1304	1304	1310
25	1197	1208	1216	1224	1229
35	1065	1073	1091	1105	1111
45	894	907	926	944	951
55	697	709	730	744	747
65	481	492	508	523	520
75	259	280	290	283	269
85	63	89	90	52	17
90	3	42	45	17	2

ZONAL LUMENS

Zone	Lumens
0	
0-10	128
10-20	367
20-30	559
30-40	681
40-50	716
50-60	654
60-70	511
70-80	306
80-90	91
90	

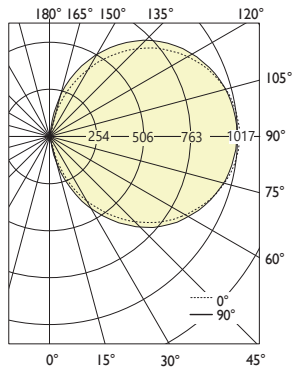
LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	10355	10729	11023
55	9949	10424	10674
65	9316	9854	10074
75	8201	9168	8517
85	5946	8497	1565

i All IES files are available for download at: www.axislighting.com

PHOTOMETRIC CURVE

Wall Mount - 750 lm/ft



Luminaire Lumens: 3002 lm
Input Watts: 30.42W
Efficacy: 99 lm/W

IES FILE: EL45-AR-750-80-35-CLS-4-W-WS.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	2	2	2	2	2
5	2	6	22	38	43
15	3	54	135	207	236
25	6	106	283	382	421
35	13	185	393	529	585
45	20	251	485	657	729
55	24	284	562	760	844
65	29	306	619	840	928
75	21	319	656	893	986
85	8	323	672	916	1014
90	2	319	670	918	1017
95	9	321	670	917	1013
105	22	313	652	893	982
115	32	296	614	840	922
125	33	268	553	758	833
135	34	229	470	649	714
145	24	173	372	509	560
155	15	107	255	355	390
165	9	39	122	182	202
175	4	7	11	13	12
180	0	0	0	0	0

ZONAL LUMENS

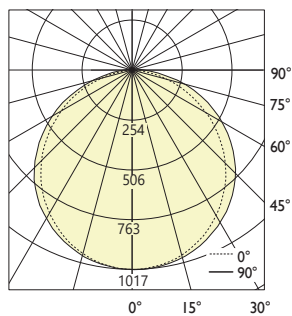
Zone	Lumens
0	
0-10	2
10-20	19
20-30	58
30-40	111
40-50	172
50-60	229
60-70	278
70-80	313
80-90	329
90	
90-100	329
100-110	312
110-120	276
120-130	226
130-140	168
140-150	107
150-160	54
160-170	17
170-180	1
180	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	235	5614	8452
55	350	8030	12057
65	557	11995	17983
75	649	20769	31213
85	766	63145	95340

PHOTOMETRIC CURVE

Ceiling Mount - 750 lm/ft



Luminaire Lumens: 3009 lm
Input Watts: 30.42 W
Efficacy: 99 lm/W

IES FILE: EL45-AR-750-80-35-CLS-4-W-CS.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1017	1017	1017	1017	1017
5	1005	1005	1007	1009	1013
15	973	972	978	978	982
25	898	906	912	918	922
35	799	805	818	828	833
45	670	680	694	708	714
55	522	532	547	558	560
65	360	369	381	392	390
75	194	210	217	213	202
85	47	67	68	39	12
90	2	31	34	12	2

ZONAL LUMENS

Zone	Lumens
0	
0-10	96
10-20	275
20-30	420
30-40	511
40-50	537
50-60	491
60-70	383
70-80	229
80-90	68
90	

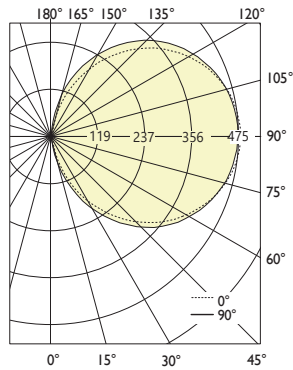
LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	7766	8047	8268
55	7462	7818	8005
65	6987	7390	7555
75	6151	6876	6388
85	4460	6373	1174

i All IES files are available for download at: www.axislighting.com

PHOTOMETRIC CURVE

Wall Mount - 350 lm/ft



Luminaire Lumens: 1401 lm

Input Watts: 14.2 W

Efficacy: 99 lm/W

IES FILE: EL45-AR-350-80-35-CLS-4-W-WS.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1	1	1	1	1
5	1	3	10	18	20
15	2	25	63	96	110
25	3	50	132	179	197
35	6	86	183	247	273
45	9	117	226	307	340
55	11	133	262	355	394
65	13	143	289	392	433
75	10	149	306	417	460
85	4	151	313	428	473
90	1	149	313	428	475
95	4	150	313	428	473
105	10	146	304	417	458
115	15	138	286	392	430
125	15	125	258	354	389
135	16	107	219	303	333
145	11	81	174	238	262
155	7	50	119	165	182
165	4	18	57	85	94
175	2	3	5	6	6
180	0	0	0	0	0

ZONAL LUMENS

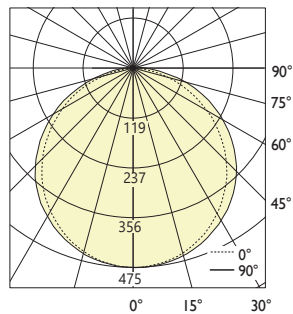
Zone	Lumens
0	1
0-10	1
10-20	9
20-30	27
30-40	52
40-50	80
50-60	107
60-70	130
70-80	146
80-90	154
90	
90-100	154
100-110	145
110-120	129
120-130	105
130-140	78
140-150	50
150-160	25
160-170	8
170-180	1
180	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	109	2620	3944
55	163	3747	5627
65	260	5598	8392
75	303	9692	14566
85	357	29467	44492

PHOTOMETRIC CURVE

Ceiling Mount - 350 lm/ft



Luminaire Lumens: 1404 lm

Input Watts: 14.2 W

Efficacy: 99 lm/W

IES FILE: EL45-AR-350-80-35-CLS-4-W-CS.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	475	475	475	475	475
5	469	469	470	471	473
15	454	454	457	456	458
25	419	423	426	428	430
35	373	376	382	387	389
45	313	317	324	331	333
55	244	248	255	260	262
65	168	172	178	183	182
75	91	98	101	99	94
85	22	31	32	18	6
90	1	15	16	6	1

ZONAL LUMENS

Zone	Lumens
0	45
0-10	45
10-20	128
20-30	196
30-40	238
40-50	250
50-60	229
60-70	179
70-80	107
80-90	32
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	3624	3755	3858
55	3482	3648	3736
65	3260	3449	3526
75	2871	3209	2981
85	2081	2974	548

i All IES files are available for download at: www.axislighting.com