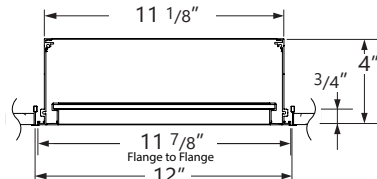
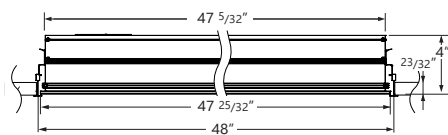




SECTION VIEW



SIDE VIEW



Ordering Guide

Project _____

Type _____

Notes _____

- Recessed ambient provides soft, even illumination
- Available in general diffuse and wide distributions
- Modular optical chamber with room-side access
- Low profile design, housing only 4" deep
- Controls and sensor ready
- Other sizes available: 1x1, 2x2 and 2x4

*See performance chart on page 7.



*Patent pending

BCFA		14									
PRODUCT ID		SIZE		NOMINAL LUMENS (ambient section)		CRI		COLOR TEMP .		DISTRIBUTION	
BCFA	Flexible Ambient	14	1'X4'	2300	2300 lm - Minimum	80	80 CRI	30	3000 K	GD	general diffuse
	Recessed			4300	4300 lm - Maximum	90	90 CRI*	35	3500 K	WD	wide
							40	4000 K			
							B30	3000 K - Bios*			
							B35	3500 K - Bios*			
							B40	4000 K - Bios*			
								TW2750	2700-5000 K - Tunable White		
				Outputs between listed min and max are available. Consult factory for outputs outside of the listed range. Consult factory for max output with BIOS.		* Not available with BIOS		Consult Axitune technical sheet for more information on color technology. *Consult BIOS guide for more information on BIOS technology. Only available with 80 CRI.			

CENTER OPTICS - CO (see page 2 for code)		FINISH		VOLTAGE		DRIVER		CIRCUITS (OPT.)	
CO (CHOICES FROM PAGE 2)	center optics (see page 2 for available options and ordering code. Paste the code string here)	AMW	antimicrobial white*	120	120 V	DP	dimming (0-10V) 1%	+E(#)	emergency section *
		W	white	277	277 V	LT(#)	Lutron*	+GTD(#)	generator transfer device*
		C	custom**	347	347 V	BI	bi-level dimming		
				UNV	universal	O(#)	other**		
				DC	low voltage*	DPB(#)	dimming (0-10V) 1% with Bios*		
						TW(#)	tunable white drivers*		
						POE(#)	POE drivers*		
* SO and BL - IP64 rated. Other center options are not IP64 rated.		* Standard finish **Consult factory for NSF.		* Only available with POE drivers.		* See page 4 to specify system ** Please consult factory; see page 4		1 circuit standard, 2 circuits with accent light or Mikrolite options. * Specify quantity	

LV CONTROLLER (OPT.)		MOUNTING		BATTERY (OPT.)		OTHER (OPT.)	
LVC1	low voltage controller (Mode 1)	TB9	t-bar 9/16"	B(#)	battery pack	F	fuse *
LVC2	low voltage controller (Mode 2)	TB15	t-bar 15/16"				
LVCD3	low voltage controller (Mode 3 step dim)	TG9	tegular 9/16"				
LVCD4	low voltage controller (Mode 3 smooth dim)	TG15	tegular 15/16"				
LVCD5	low voltage controller (Mode 4 step dim)	DF	drywall flange				
LVCD6	low voltage controller (Mode 4 smooth dim)						
Not available with 347V Please consult factory For compatibility with control devices, such as pillow speaker handset. See wiring diagrams on page 6-7.				Not available with 347V Please consult factory		*Requires 120V or 277V	

**Accessories ordered separately.
See Accessories ordering guide.**

**Optical chamber available to
order separately. See page 3.**

Ordering Guide for Center Optics (transfer ordering code to page 1-CO column)

MIKROLITE - MKL[#, Beam Angles, Cell Finish]				
MIKROLITE MODULE QTY		BEAM ANGLE		CELL FINISH
MKL[#]	MikroLite module	MKL35	35 deg	GR gray
		MKL20	20 deg	BLK black
1 module contains 4 MikroLites; Module length is 4". Minimum distance from edge 3". 500 lm/module				

EX.: CO (MKL [2, MKL35, GR]) to be placed in CO column

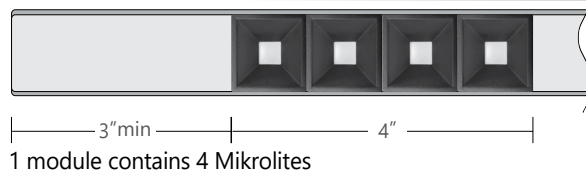
ACCENT - AC[#, Beam, Finish]				
ACCENT QUANTITY		BEAM		ACCENT FINISH
AC[#]	accent quantity	AC20	20 deg	AP aluminum paint
		AC35	35 deg	W white
				BLK black
Only available in 500 lumens, 3000 K, 80 CRI with 0-10V dimming (1%). Minimum spacing between Accents is 4". Accent provided only on blank section by default (min length 2').				

EX.: CO (AC[2, AC20, AP]) to be placed in CO column

SHIELDING & NOM. LUMENS/FT - DIRECT				
SO[lumen]	spotless lens	200	200 lm/ft	SO lens option only
MLWB[lumen]	micro louver wide- black*	300	300 lm/ft	
MLNB[lumen]	micro louver narrow - black*	400	400 lm/ft	
MLWG[lumen]	micro louver wide - grey*	200	200 lm/ft	micro louver option only
MLNG[lumen]	micro louver narrow - grey*	300	300 lm/ft	
		450	450 lm/ft	
		600	600 lm/ft	
* Micro louver recommended at outputs over 500 lm/ft. 2' sections are NOT available with micro louver optic. Please consult factory for more information.				

EX.: CO (SO[300]) to be placed in CO column

CENTER OPTICS WITH MIKROLITE 1.0

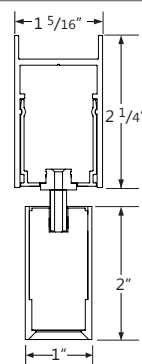


ACCENT OPTIONS



Accent on segment shown

CENTER OPTICS WITH ACCENT SECTION VIEW



Accent in blank

MICRO LOUVER OPTIONS

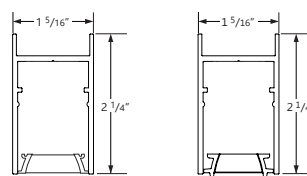


Black narrow micro louver shown - 60°, flush.

Grey narrow micro louver shown - 60°, flush.

Black wide micro louver shown - 70°, regressed.

Grey wide micro louver shown - 70°, regressed.



Micro Louver- Wide

Micro Louver- Narrow

Modular optical chamber is available as optional shelf stock for easy maintenance change-out; ordered separately.

Optical Chamber Ordering Guide

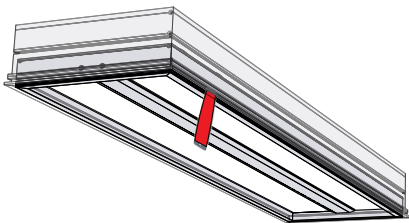
BCFA		OC14		NOMINAL LUMENS		CRI		COLOR TEMP .		DISTRIBUTION	
PRODUCT ID		SIZE									
BCFA	Flexible Ambient Recessed	OC14	1'X4' optical chamber	2300	2300 lm - Minimum	80	80 CRI	30	3000 K	GD	general diffuse
				4300	4300 lm - Maximum	90	90 CRI*	35	3500 K		
								40	4000 K		
								B30	3000 K - Bios*		
								B35	3500 K - Bios*		
								B40	4000 K - Bios*	WD	wide
								TW2750	2700-5000 K - Tunable White		
				Outputs between listed min and max are available. Consult factory for outputs outside of the listed range. Consult factory for max output with BIOS.		* Not available with BIOS		Consult Axitune technical sheet for more information on color technology. *Consult BIOS guide for more information on BIOS technology. Only available with 80 CRI.			

CENTER OPTICS - CO (see page 2 for code)		FINISH		NA VOLTAGE		NA DRIVER		NA CIRCUITS (OPT.)		NA LV CONTROLLER (OPT.)	
CO (CHOICES FROM PAGE 2)	center optics (see page 2 for available options and ordering code. Paste the code string here)	AMW	antimicrobial white*	NA	not applicable	NA	not applicable	NA	not applicable	NA	not applicable
BL	Blank (non-illuminated center strip)*	W	white								
		C	custom**								
* SO and BL - IP64 rated. Other center options are not IP64 rated.				* Standard finish							
				**Consult factory for NSF.							

NA MOUNTING		NA BATTERY (OPT.)		NA OTHER (OPT.)	
NA	not applicable	NA	not applicable	NA	not applicable

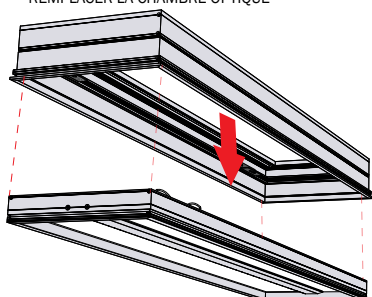
Optical Chamber Replacement

1



PRY WITH PROVIDED LENS TOOL
FOUR CORNERS
LEVIER AVEC OUTIL FOURNIS AUX
QUATRE COINS

2 REPLACE OPTICAL CHAMBER
REPLACER LA CHAMBRE OPTIQUE



DISCONNECT WIRES FROM DRIVER
DÉBRANCHEZ LES FILS DU PILOTE

● SPECIFICATIONS

Housing	Extruded aluminum (0.065" nominal)
Central Housing	Extruded aluminum (0.065" nominal)
Center Lens	Spotless PMMA lens (optional)
Side Lens	4mm PMMA light guides
Reflectors	Specular aluminum
Drywall Flange Kit	Extruded aluminum (0.060" nominal)

● ELECTRICAL

Lutron driver*	LDE1 - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black LDE5 - 5-Series EcoSystem LTEA - Hi-lume 1% 2-wire (120V forward phase only) *Consult factory
Other drivers**	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex LV - line voltage - Advance Mark 10 Xitanium SR - For wireless sensor
BIOS DPB drivers*	STC - BIOS control 0-10V with static spectrum and BIOS SkyBlue enabled from 100% to 1%. DYN- BIOS control 0-10V with dynamic spectrum and BIOS SkyBlue® with Bio-Dimming™ enabled 100% to 50%, light output dimming from 49% to 1%.
Tunable White TW drivers*	DALIDT6 - DALI Type 6 (Two DALI Addresses) DALIDT8 - DALI Type 8 (One DALI Address) LTTW - Lutron T-Series Tunable White
Power over Ethernet POE drivers*	MOLEX IGOR O - Other (Consult factory)
Emergency	Integral emergency battery pack or emergency circuit optional.
Input Voltage	120V, 277V, 347V, UNV, DC.
Flex Whip	Shipped in a separate box for contractors to install

*Choose driver from available options.

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

● FINISH

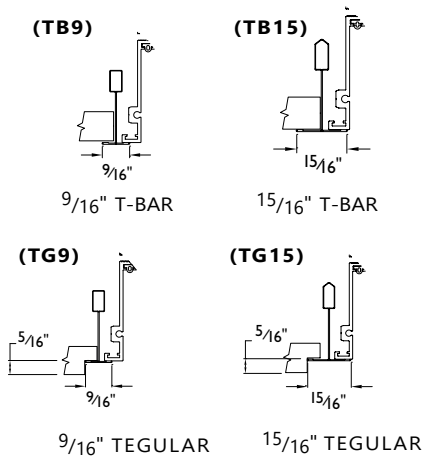
Highly reflective, matte powder coat white paint for high efficiency. Matte texture to diffuse glare and lamp image on the surface within the optical chamber exterior. Custom finishes are also available.

● LED SYSTEM

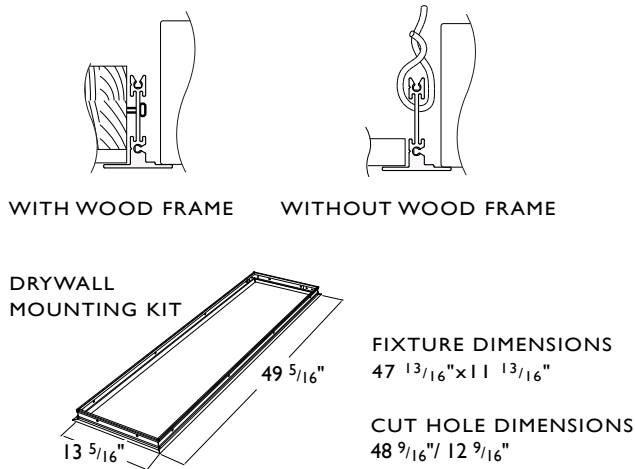
CRI	Minimum 80 or 90 color rendering index options.
CRI BIOS	Minimum 80 color rendering index with R9>75 for all CCTs.
CCT Single Color	Choice of 3000K, 3500K and 4000K color temperature with a great color consistency (within 3-step MacAdam ellipse). Both within fixture and fixture to fixture.
CCT BIOS	BIOS Static (STC) Choice of 3000K, 3500K and 4000K. BIOS SkyBlue® Dynamic (DYN) Choice of 3000K, 3500K, and 4000K with Bio-Dimming™ Consult BIOS guide for more information on BIOS technology.
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	For all line voltage drivers, dry and damp rated for ambient operating temperature of -20° to +40° C (-4° to +104°F) For POE driver option, dry and damp rated for ambient operating temperature of 0° to +40°C (+32° to +104°F) Consult factory for temperature outside this range.

● CEILING SYSTEM

T-BAR STYLE MOUNTING



DRYWALL WITH FLANGE KIT (DF)



i Installation sheets for all mounting options are available at: www.balancedcare.axislighting.com

● APPROVALS

With product features that promote cleanability and durability, BalancedCare™ meets functional and application-specific industry listings such as UL, Ingress Protection (IP) and National Sanitation Foundation (NSF) standards.

● WEIGHT

Standard	26 lbs / 11.8 kg
Drywall with Kit	28 lbs / 12.7 kg

● WARRANTY

BalancedCare™ by Axis Lighting will warrant defective LEDs, boards, and drivers for 5 years from date of purchase. Warranty is valid if luminaire is installed and used according to specifications. If defective, BalancedCare™ will send replacement boards or drivers at no cost along with detailed replacement instructions and instructions on how to return defective components to BalancedCare™.

● STANDARD AND END MOUNT POWER FEED

Knockouts for BX cable connection are provided.
(BX CABLE BY OTHER)

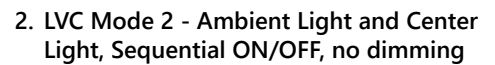


● LOW VOLTAGE CONTROLLERS - CONFIGURATIONS

		MODE #1 (DEFAULT)	MODE #2	MODE #3		MODE #4	
		Ambient Light and Center Light Independent (ON/OFF)	Ambient Light and Center Light Sequential	Ambient Light Dimming, Center Light Independent (ON/OFF)		Ambient Light and Center Light Dimming	
				Step Dimming (one direction)	Smooth Dimming (two direction)	Step Dimming (one direction)	Smooth Dimming (two direction)
Toggling Switch 1 (Pillow Speakers, wall switch) affects Load 1 as follows:	First Toggle	Ambient ON	Ambient ON, Center OFF	Ambient ON, Full brightness	"First toggle: Ambient ON, dim level set to Approx. 100% brightness Subsequent sustained presses: smooth dimming* Second toggle: Ambient OFF"	Ambient ON, Full brightness dimming	"First toggle: Ambient ON, dim level set to Approx. 100% brightness Subsequent sustained presses: smooth dimming* Second toggle: Ambient OFF"
	Second Toggle	Ambient OFF	Ambient OFF, Center ON	Ambient ON, Approx. 60% (4 VDC) brightens		Ambient ON, Approx. 60% (4 VDC) brightens	
	Third Toggle	-	Ambient ON, Center ON	Ambient ON, Approx. 30% (1.37 VDC) brightens		Ambient ON, Approx. 30% (1.37 VDC) brightens	
	Fourth Toggle	-	Ambient OFF, Center OFF	Ambient ON, Approx. 10% (0.8 VDC) brightens		Ambient ON, Approx. 10% (0.8 VDC) brightness	
	Fifth Toggle	-	-			Ambient OFF	
Toggling Switch 2 (Pillow Speakers, wall switch) affects Load 2 as follows:	First Toggle	Center ON	-	Center ON	Center ON	Center ON, Full brightness	"First toggle: Center ON, dim level set to Approx. 100% brightness Subsequent sustained presses: smooth dimming* Second toggle: Center OFF"
	Second Toggle	Center OFF	-	Center OFF	Center OFF	Ambient ON, Approx. 60% (4 VDC) brightness	
	Third Toggle	-	-			Ambient ON, Approx. 30% (1.37 VDC) brightens	
	Fourth Toggle	-	-			Ambient ON, Approx. 10% (0.8 VDC) brightens	
	Fifth Toggle	-	-			Ambient OFF	

1. LVC Mode 1 - Ambient Light and Center Light, Independent ON/OFF,no dimming (DEFAULT mode)

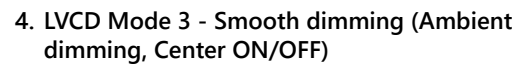
AMBIENT AND CENTER INDEPENDENT ON/OFF (NO DIMMING)



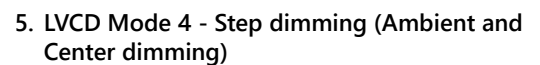
AMBIENT AND CENTER SEQUENTIAL



AMBIENT INDEPENDENT (WITH DIMMING)
CENTER INDEPENDENT ON/OFF
(NO DIMMING)



**AMBIENT AND CENTER INDEPENDENT
(WITH DIMMING)**



6. LVCD Mode 4 - Smooth dimming(Ambient and Center dimming)

PERFORMANCE AT 3500K

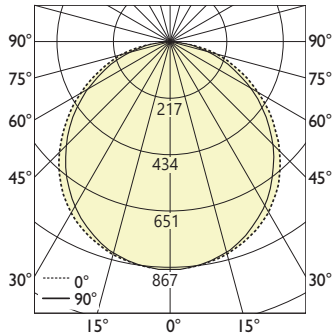
DISTRIBUTION	LUMEN OUTPUT	INPUT WATTS*	EFFICACY	Estd. L85 LED Life (hrs.)
GENERAL DISTRIBUTION	4300 lm	46.7 W	92 lm/W	50000, min
WIDE	4300 lm	50.5 W	85 lm/W	50000, min

Please consult factory for custom lumen output and wattage.

● PHOTOMETRIC DATA

PHOTOMETRIC CURVE

General distribution



Luminaire Lumens: 2300 lm
Input Watts: 25 W
Efficacy: 92 lm/W

IES FILE: BCFA-14-2300-GD-80-35-W-120-D.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	865	865	865	865	865
5	864	862	861	859	859
15	835	830	825	823	823
25	774	765	760	759	760
35	681	670	664	664	666
45	560	548	541	540	542
55	423	410	402	399	401
65	282	269	261	257	257
75	147	138	131	124	123
85	39	34	35	37	38
90	1	1	2	2	2

ZONAL LUMENS

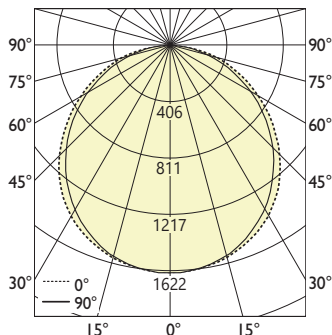
Zone	Lumens
0	
0-10	82
10-20	233
20-30	351
30-40	417
40-50	419
50-60	361
60-70	260
70-80	139
80-90	38
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	2377	2294	2299
55	2213	2101	2096
65	1998	1853	1826
75	1700	1519	1423
85	1334	1191	1323

PHOTOMETRIC CURVE

General distribution



Luminaire Lumens: 4300 lm
Input Watts: 46.7 W
Efficacy: 92 lm/W

IES FILE: BCFA-14-4300-GD-80-35-W-120-D.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1618	1618	1618	1618	1618
5	1616	1613	1609	1606	1606
15	1561	1551	1543	1539	1538
25	1447	1431	1422	1420	1421
35	1273	1253	1242	1242	1245
45	1048	1024	1011	1009	1013
55	791	766	751	747	749
65	526	503	488	481	481
75	274	258	245	233	230
85	72	63	65	70	72
90	3	3	3	3	3

ZONAL LUMENS

Zone	Lumens
0	
0-10	153
10-20	436
20-30	656
30-40	779
40-50	783
50-60	675
60-70	487
70-80	260
80-90	71
90	

LUMINANCE DATA (cd/m²)

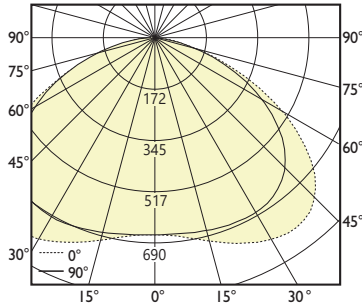
Vertical Angle	Horizontal Angles		
	0	45	90
45	4444	4290	4298
55	4138	3928	3919
65	3737	3465	3415
75	3180	2840	2661
85	2494	2228	2475

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

● PHOTOMETRIC DATA

PHOTOMETRIC CURVE

Wide distribution



Luminaire Lumens: 2300 lm

Input Watts: 27 W

Efficacy: 85 lm/W

IES FILE: BCFA-14-2300-80-35-WD-W-120-D.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	569	569	569	569	569
5	570	571	572	573	573
15	578	581	591	601	606
25	587	595	619	644	654
35	583	596	633	671	689
45	543	558	598	641	664
55	446	456	486	520	541
65	301	304	319	334	345
75	150	150	153	152	153
85	34	35	38	42	45
90	1	2	3	4	4

ZONAL LUMENS

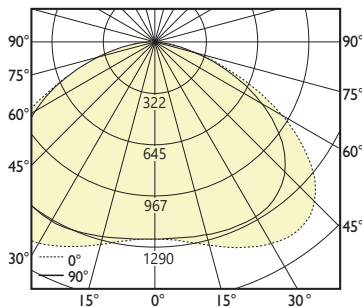
Zone	Lumens
0	
0-10	55
10-20	168
20-30	287
30-40	395
40-50	458
50-60	430
60-70	311
70-80	157
80-90	40
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	2303	2538	2817
55	2332	2543	2829
65	2139	2262	2447
75	1743	1776	1771
85	1162	1301	1541

PHOTOMETRIC CURVE

Wide distribution



Luminaire Lumens: 4300 lm

Input Watts: 50.5 W

Efficacy: 85 lm/W

IES FILE: BCFA-14-4300-80-35-WD-W-120-D.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1064	1064	1064	1064	1064
5	1066	1067	1069	1071	1071
15	1080	1087	1105	1124	1132
25	1097	1113	1157	1204	1223
35	1089	1115	1183	1254	1287
45	1015	1043	1118	1199	1242
55	833	852	909	973	1011
65	563	568	596	624	645
75	281	281	286	284	286
85	63	65	71	78	84
90	3	4	6	7	8

ZONAL LUMENS

Zone	Lumens
0	
0-10	102
10-20	315
20-30	536
30-40	739
40-50	855
50-60	803
60-70	581
70-80	293
80-90	75
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	4306	4745	5267
55	4359	4754	5288
65	3999	4229	4576
75	3259	3320	3312
85	2173	2433	2881

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