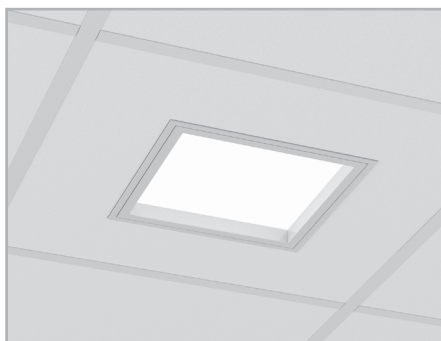


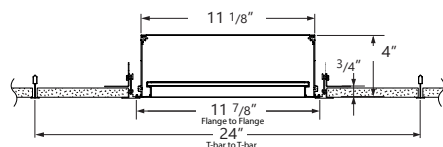


Project _____

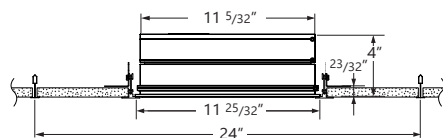
Type _____

Notes _____

SECTION VIEW



SIDE VIEW



- 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: 1x4, 2x2 and 2x4

***See performance chart on page 5.**



Ordering Guide

***Patent pending**

BCFA		11	NOMINAL LUMENS		CRI		COLOR TEMP.	
PRODUCT ID	SIZE							
BCFA Flexible Ambient Recessed	11 1'X1'		1000 1000 lm - Minimum		80 80 CRI		30 3000 K	
			2000 2000 lm - Maximum		90 90 CRI*		35 3500 K	
							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.	

DISTRIBUTION	CENTER OPTICS	FINISH	VOLTAGE	DRIVER	CIRCUITS (OPT.)
GD general diffuse	NA not applicable in 1'X1' size	AMW antimicrobial white*	120 120 V	DP dimming (0-10V) 1%	+E(#) emergency section *
WD wide		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*	
		* Standard finish **Consult factory for NSF.	* Only available with POE drivers.	* See page 3 to specify system ** Please consult factory; see page 3	1x1 is single circuit. * Specify quantity

MOUNTING	BATTERY (OPT.)	OTHER (OPT.)
TB9 t-bar 9/16"	B(#) battery pack remote	F fuse *
TB15 t-bar 15/16"		
TG9 tegular 9/16"		
TG15 tegular 15/16"		
DF drywall flange		
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 2.

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

Optical Chamber Ordering Guide

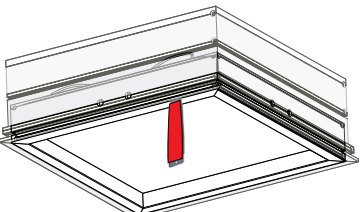
BCFA		OC11							
PRODUCT ID		SIZE		NOMINAL LUMENS		CRI		COLOR TEMP .	
BCFA	Flexible Ambient Recessed	OC11	1'X1' optical chamber	1000	1000 lm - Minimum	80	80 CRI	30	3000 K
				2000	2000 lm - Maximum	90	90 CRI*	35	3500 K
								40	4000 K
								B30	3000 K - Bios*
								B35	3500 K - Bios*
								B40	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.	

DISTRIBUTION		CENTER OPTICS		FINISH		VOLTAGE		DRIVER		CIRCUITS (OPT.)	
GD	general diffuse	NA	not applicable	AMW	antimicrobial white*	NA	not applicable	NA	not applicable	NA	not applicable
WD	wide		in 1'X1' size	W	white						
				C	custom**						
				* Standard finish							
				**Consult factory for NSF.							

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

Optical Chamber Replacement

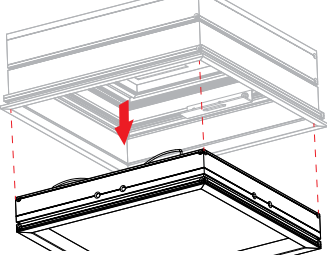
1



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)
Lens	Spotless PMMA lens (optional)
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.

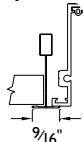
● LED SYSTEM

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

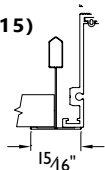
T-BAR STYLE MOUNTING

(TB9)



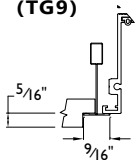
9/16" T-BAR

(TB15)



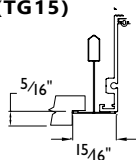
15/16" T-BAR

(TG9)



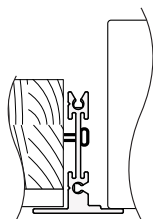
9/16" TEGULAR

(TG15)

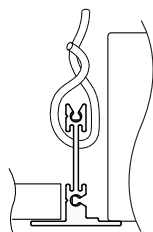


15/16" TEGULAR

● DRYWALL WITH FLANGE KIT (DF)

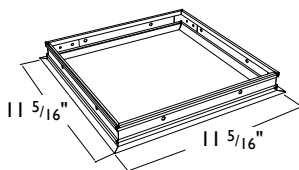


WITH WOOD FRAME



WITHOUT WOOD FRAME

● DRYWALL MOUNTING KIT



● FIXTURE DIMENSIONS

11 13/16" x 11 13/16"

● CUT HOLE DIMENSIONS

12 9/16" / 12 9/16"

● 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	8.6 lbs / 3.9 kg
Drywall with Kit	10.6 lbs / 4.8 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)



TOP VIEW

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

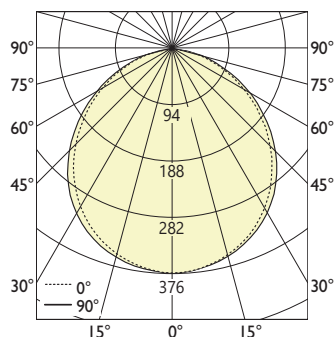
PERFORMANCE AT 3500K

DISTRIBUTION	LUMEN OUTPUT	INPUT WATTS*	EFFICACY	Estd. L85 LED Life (hrs.)
GENERAL DISTRIBUTION	2000 lm	29 W	69 lm/W	50000, min
WIDE	2000 lm	28.5 W	70 lm/W	50000, min

Please consult factory for custom lumen output and wattage.

● PHOTOMETRIC DATA

PHOTOMETRIC CURVE
General Distribution



Luminaire Lumens: 1000 lm

Input Watts: 14.5 W

Efficacy: 69 lm/W

IES FILE: BCFA-11-1000-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	376	376	376	376	376
5	374	374	374	374	374
15	358	357	358	359	361
25	329	328	330	333	336
35	287	285	288	293	297
45	233	232	235	241	246
55	173	172	175	180	185
65	113	111	113	117	122
75	58	57	58	60	63
85	13	13	14	14	15
90	0	0	1	1	1

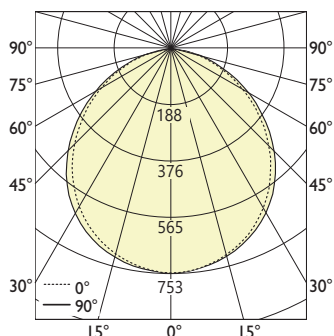
ZONAL LUMENS

Zone	Lumens
0	
0-10	36
10-20	101
20-30	153
30-40	181
40-50	182
50-60	157
60-70	113
70-80	61
80-90	16
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	5274	5316	5557
55	4838	4874	5161
65	4269	4294	4603
75	3578	3584	3890
85	2339	2559	2681

PHOTOMETRIC CURVE
General Distribution



Luminaire Lumens: 2000 lm

Input Watts: 29 W

Efficacy: 69 lm/W

IES FILE: BCFA-11-2000-80-35-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	753	753	753	753	753
5	748	748	748	748	748
15	717	715	716	719	721
25	658	656	659	666	672
35	573	571	576	586	595
45	466	464	470	481	491
55	347	344	350	360	370
65	226	223	227	235	243
75	116	114	116	120	126
85	25	26	28	28	29
90	1	1	1	2	2

ZONAL LUMENS

Zone	Lumens
0	
0-10	71
10-20	203
20-30	305
30-40	362
40-50	365
50-60	315
60-70	226
70-80	123
80-90	32
90	

LUMINANCE DATA (cd/m²)

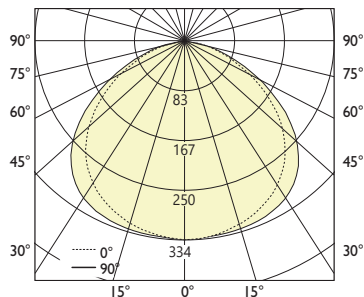
Vertical Angle	Horizontal Angles		
	0	45	90
45	10548	10633	11115
55	9675	9749	10322
65	8537	8588	9206
75	7156	7168	7780
85	4679	5118	5363

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

● PHOTOMETRIC DATA

PHOTOMETRIC CURVE

Wide Distribution



Luminaire Lumens: 1000 lm

Input Watts: 14.3 W

Efficacy: 70 lm/W

IES FILE: BCFA-11-1000-80-35-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	333	333	333	333	333
5	332	332	332	332	332
15	330	328	325	324	324
25	325	320	313	308	308
35	309	302	291	282	281
45	273	264	250	241	240
55	208	200	189	180	180
65	129	124	117	112	113
75	61	58	56	54	55
85	12	13	13	13	13
90	1	1	1	1	1

ZONAL LUMENS

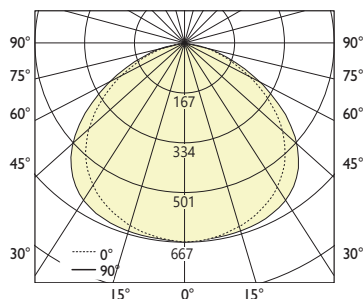
Zone	Lumens
0	
0-10	32
10-20	92
20-30	145
30-40	182
40-50	193
50-60	168
60-70	115
70-80	59
80-90	15
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	6164	5664	5424
55	5805	5257	5030
65	4895	4424	4275
75	3772	3461	3418
85	2265	2392	2369

PHOTOMETRIC CURVE

Wide Distribution



Luminaire Lumens: 2000 lm

Input Watts: 28.5 W

Efficacy: 70 lm/W

IES FILE: BCFA-11-2000-80-35-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	667	667	667	667	667
5	664	665	664	665	665
15	659	656	651	647	647
25	649	640	627	616	615
35	618	604	582	565	563
45	545	527	501	481	480
55	416	400	377	361	361
65	259	247	234	224	226
75	122	117	112	109	111
85	25	25	26	25	26
90	1	1	1	1	1

ZONAL LUMENS

Zone	Lumens
0	
0-10	63
10-20	184
20-30	289
30-40	364
40-50	386
50-60	336
60-70	231
70-80	118
80-90	29
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	12327	11327	10848
55	11610	10514	10061
65	9790	8848	8549
75	7543	6921	6836
85	4530	4785	4738

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