



BFL701

BLANCA

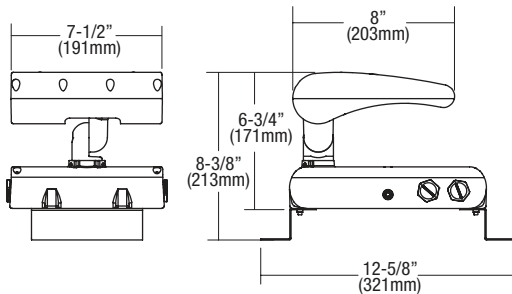
Type:

Project:

Qty:

701ABM - Base Mount

Additional mounts shown on page 5



Construction

Rugged die cast aluminum housing with clear tempered glass lens & 100% silicone rubber gaskets. All hardware is corrosion resistant stainless steel. Knuckle fitting is highly adjustable to allow for precise aiming.

Source

Powerful 18 LED light engine is available in 4 color temperature options. The light engine combined with a highly effective heat sink produces excellent efficacy up to 71 lumens per watt. Lumen output is up to 1,606 lumens based on 3000K CCT. L70 > 60,000 hours @ 40°C.

Optics

Highly efficient reflector system combined with various holographic films, produce one of five distributions for a wide variety of applications.

Electrical

Integral electronic driver consumes 22.7W. Driver input is universal 120-277V and is equipped with 0-10V dimming to 10% standard. FCC Class A Part 15 Subpart B compliant.

Environment

ETL / cETL listed wet location and IP66 rated. Ambient operating temperature is -20° to 40°C.

Finish

6 stage pre-treated polyester powder coat painted finish is available in four standard colors. Custom colors are also available by modification.

Warranty

5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Assembled in America (Buy American Act Compliant)

CATALOG NUMBER

Example: **BFL701 701ABM 20DEG LSF1A 30K MVOLT BKT**

Series	Mounting Accessory	Distribution	Source	Color Temperature	Voltage
BFL701 Bianca White LED Half Flood	701ABM Adjustable Base Mount (701 Series) 701ARM Adjustable Remote Mount Driver (701 Series) 701ASF Adjustable Surface Feed Mount (701 Series) 701AWC Adjustable Wall/Ceiling Mount (701 Series)	10DEG 10 Degrees 20DEG 20 Degrees 40DEG 40 Degrees 60DEG 60 Degrees 60X15DEG 60 Degrees x 15 Degrees	LSF1A LED Flood 1	27K 2700K CCT 30K 3000K CCT 35K 3500K CCT 40K 4000K CCT	MVOLT Multi Volt 120V thru 277V

Internal Shielding	External Shielding	Finish	Special
(Blank) No Internal Shielding BF1 Baffle	(Blank) No External Shielding GV1 Glare Visor TH1 Top Hat	BKT Black Textured WHT White Textured DBT Dark Bronze Textured SIT Silver Textured CPF* Custom Paint Finish	MOD* Modification / Consult Factory

Describe Modification:



Notes

- 20 ft. max. distance for remote power supply
- Performance data for 27K, 35K and 40K based on 30K LM79 test results and multiplier.
- See page 4 for accessory details.
- *Available by modification only. Consult factory.

Weight

BFL701 10 lbs. (4.5 kg)

BFL701

BLANCA

Type:

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PERFORMANCE DATA

LUMEN OUTPUT

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here.

LEDs	System Watts	Nominal Distribution	Beam Angle	Field Angle	2700K			3000K			3500K			4000K				
					Max Cd	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW		
18	22.7	10	9	10	18	19	27170	1671	73	28016	1723	75	32498	1998	88	33619	2067	91
		20	19	22	43	46	5948	1573	69	6550	1622	71	7598	1881	82	7860	1946	85
		40	42	44	92	94	2339	1504	66	2412	1551	68	2797	1799	79	2894	1861	81
		60	48	67	106	125	1289	1388	61	1329	1431	63	1541	1659	73	1594	1717	75
		60 x 15	60	16	100	55	3200	1501	66	3300	1548	68	3828	1795	79	3960	1857	81

ELECTRICAL LOAD

Model	System Load (W)	Current (A)				
		120	240	277	347	480
BFL701- Half Flood	23.4	0.20	0.10	0.08	-	-

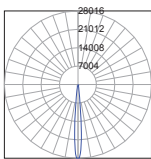
PHOTOMETRIC DIAGRAMS

10° DISTRIBUTION

Test Report: LTL22108
IES LM 79-08
BFL705 10DEG 30K
Lumens: 1606
Wattage: 22.7W
Efficacy: 71
Max. Candela: 28,016



ISO Candela Plot



Illuminance at a Distance

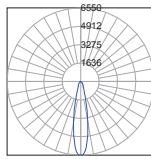
	Center Beam fc	Beam Width
10'	265.5 fc	1' 4"
20'	70.6 fc	2' 9"
30'	32.3 fc	4' 2"
40'	18.7 fc	5' 7"
50'	11.7 fc	7' 0"

20° DISTRIBUTION

Test Report: LTL22110
IES LM 79-08
BFL705 20DEG 30K
Lumens: 1534.5
Wattage: 22.7W
Efficacy: 68
Max. Candela: 6,550



ISO Candela Plot



Illuminance at a Distance

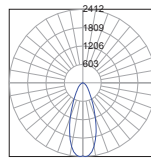
	Center Beam fc	Beam Width
10'	64.8 fc	3' 6"
20'	16.6 fc	7' 0"
30'	7.6 fc	10' 6"
40'	4.4 fc	14' 1"
50'	2.8 fc	17' 7"

40° DISTRIBUTION

Test Report: LTL22111
IES LM 79-08
BFL705 40DEG 30K
Lumens: 1528.5
Wattage: 22.7W
Efficacy: 67
Max. Candela: 2,412



ISO Candela Plot



Illuminance at a Distance

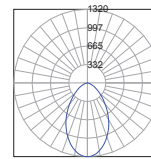
	Center Beam fc	Beam Width
10'	24.0 fc	5' 4"
20'	6.1 fc	10' 8"
30'	2.8 fc	16' 1"
40'	1.6 fc	21' 5"
50'	1.0 fc	26' 9"

60° DISTRIBUTION

Test Report: LTL22112
IES LM 79-08
BFL705 60DEG 30K
Lumens: 1505
Wattage: 22.7W
Efficacy: 66
Max. Candela: 1,329



ISO Candela Plot

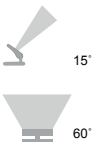


Illuminance at a Distance

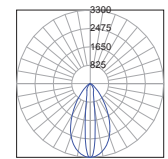
	Center Beam fc	Beam Width
10'	13.3 fc	9' 3"
20'	3.4 fc	18' 7"
30'	1.6 fc	27' 11"
40'	0.9 fc	37' 3"
50'	0.6 fc	46' 7"

60° x 15° DISTRIBUTION

Test Report: LTL22113
IES LM 79-08
BFL705 60X15DEG 30K
Lumens: 1516
Wattage: 22.7W
Efficacy: 67
Max. Candela: 3,300



ISO Candela Plot



Illuminance at a Distance

	Center Beam fc	Beam Width
10'	35.5 fc	60" x 15"
20'	8.4 fc	23' 1" x 5' 3"
30'	3.8 fc	34' 7" x 7' 11"
40'	2.2 fc	46' 2" x 10' 6"
50'	1.4 fc	57' 8" x 13' 2"

Lighting Facts
A Program of the U.S. DOE

Light Output (Lumens) 1723
Watts 22.67
Lumens per Watt (Efficacy) 76

Color Accuracy
Color Rendering Index (CRI) 85

Light Color
Correlated Color Temperature (CCT) 3002 (Bright White)

Warranty** Yes

Registration Number: NJSM-MQJFJQ (1/29/2013)
Model Number: BFL-701-10-30K
Type: Flood or Spotlight Fixture

Lighting Facts
A Program of the U.S. DOE

Light Output (Lumens) 1622
Watts 22.61
Lumens per Watt (Efficacy) 71

Color Accuracy
Color Rendering Index (CRI) 85

Light Color
Correlated Color Temperature (CCT) 2992 (Warm White)

Warranty** Yes

Registration Number: NJSM-DY93X4 (1/29/2013)
Model Number: BFL-701-20-30K
Type: Flood or Spotlight Fixture

Lighting Facts
A Program of the U.S. DOE

Light Output (Lumens) 1551
Watts 22.61
Lumens per Watt (Efficacy) 68

Color Accuracy
Color Rendering Index (CRI) 85

Light Color
Correlated Color Temperature (CCT) 2989 (Warm White)

Warranty** Yes

Registration Number: NJSM-4G5ACZ (1/29/2013)
Model Number: BFL-701-40-30K
Type: Flood or Spotlight Fixture

Lighting Facts
A Program of the U.S. DOE

Light Output (Lumens) 1431
Watts 22.6
Lumens per Watt (Efficacy) 63

Color Accuracy
Color Rendering Index (CRI) 85

Light Color
Correlated Color Temperature (CCT) 2992 (Warm White)

Warranty** Yes

Registration Number: NJSM-4E53TE (1/29/2013)
Model Number: BFL-701-60-30K
Type: Flood or Spotlight Fixture

Lighting Facts
A Program of the U.S. DOE

Light Output (Lumens) 1548
Watts 22.59
Lumens per Watt (Efficacy) 68

Color Accuracy
Color Rendering Index (CRI) 85

Light Color
Correlated Color Temperature (CCT) 2998 (Warm White)

Warranty** Yes

Registration Number: NJSM-4H55AT (1/29/2013)
Model Number: BFL-701-6015-30K
Type: Flood or Spotlight Fixture

Photometric data based on test results from an independent NIST traceable testing lab. IES data is available at www.winonaighting.com. Always refer to our website for the latest IES file updates.

Winona Lighting • 3760 West Fourth Street • Winona, MN 55987 • 800.328.5291 • www.winonaighting.com

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Rev. 05/11/15
BFL701_BLANCA_LED

BFL701

BLANCA

Type:

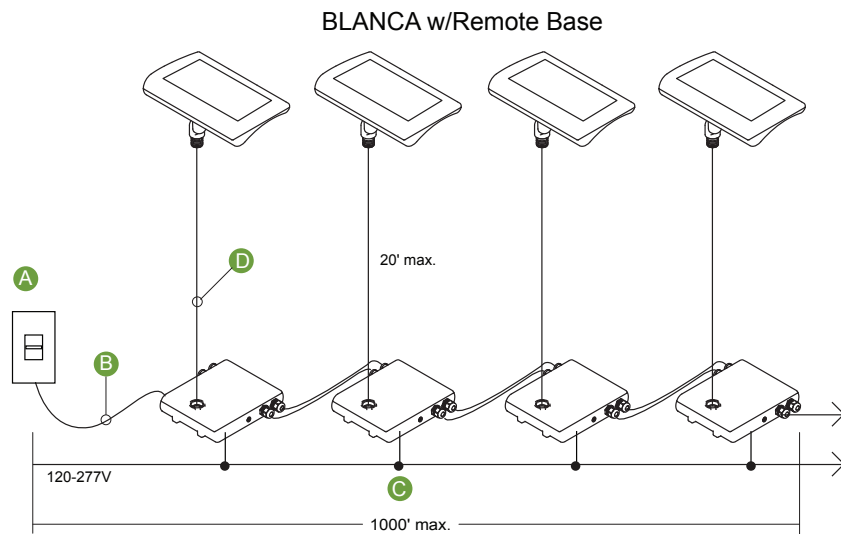
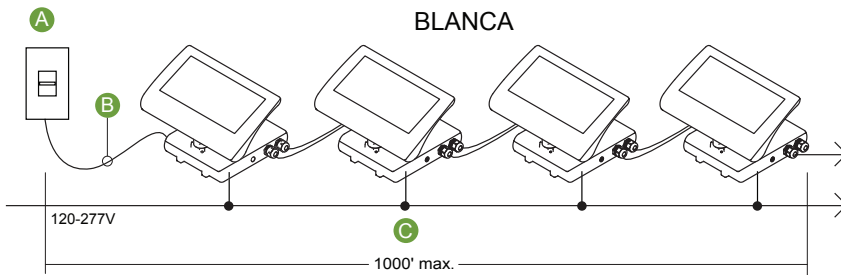
Project:

Qty:

BASIC SYSTEM WIRING INFORMATION

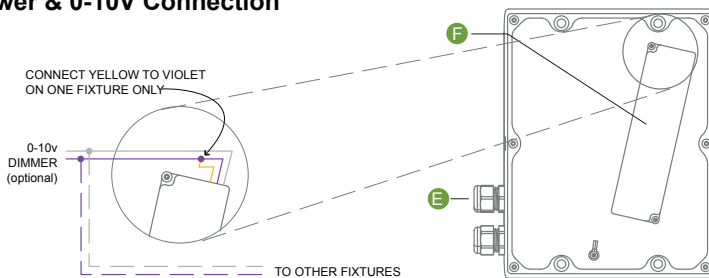
This very basic system wiring diagram provides an overview of components and materials required for a simple installation of BLANCA luminaires controlled by 0-10v dimmer control.

These diagrams should not be used in place of actual installation instructions or submittal drawings prepared for a specific project.



- A** BLANCA may be dimmed using common 0-10v fluorescent-style current-sink or current-source dimming controls. These controls can range from simple wall box units to elaborate rack mounted systems, but all must conform to the IEC 0-10v dimming standard.
- B** Belden 9829 cable is the preferred communication/data cable used to carry the 0-10v signal to the BLANCA luminaires.
- C** 120V-277v input is required at each BLANCA luminaire. No proprietary cables or fittings are required to bring power to the luminaire. Metallic conduit and standard fittings are compatible as are multi-conductor cords provided they are appropriate to the mounting location. Proper separation of Class I (line voltage) and Class II (0-10v) wiring must be provided per NEC.
- D** Remote distances of up to 20' away from the mount box are allowable when the 701ARM Remote mounting option is selected. Use Belden 9829 to carry the data and #16 standard to carry the Class II power to the luminaire head. Because the power is low voltage Class II, no separation is required.
- E** The die cast aluminum mounting base can be specified with up to four threaded 1/2" NPT holes on the sides and bottom for conduit and/or cord entry and exit. Proper sealing of the fittings is required at installation time when used outdoors.
- F** The dimming driver in BLANCA can be configured for current-sink or current-source dimming. Current-sink is the most common and is configured by tying the Yellow wire to the Purple wire on one fixture only, leaving the Yellow wire capped on the other fixtures. For current-source applications, leave all the Yellow wires capped.

Power & 0-10V Connection



BFL701

BLANCA

Type:

Project:

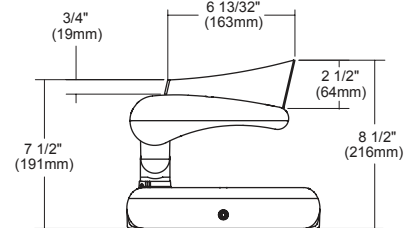
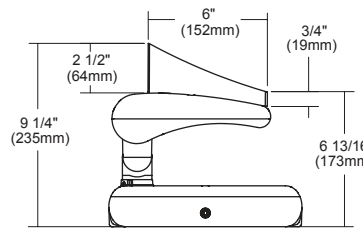
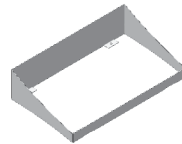
Qty:

ACCESSORY OPTIONS

GLARE VISOR

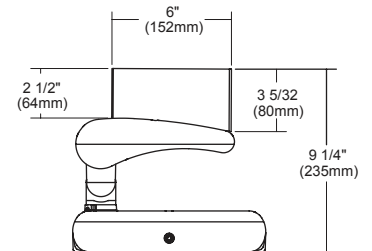
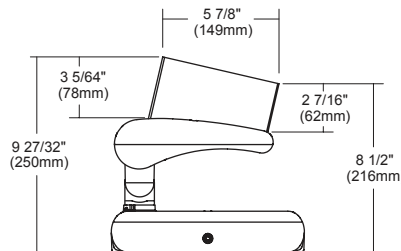
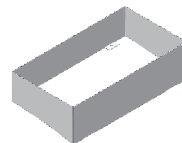
Glare control: Optional attachments shield direct view into fixture aperture. *Glare control options cannot be combined.

Series	Finish
GV1 Glare Visor	BKT textured black paint WHT textured white paint SIT textured silver paint DBT textured dark bronze paint CPF custom paint finish



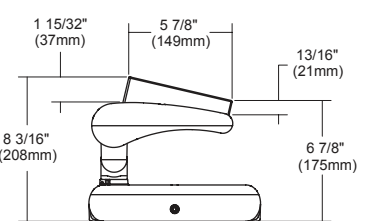
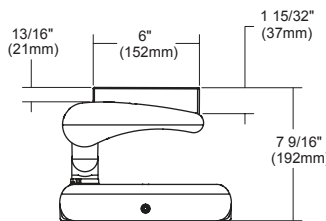
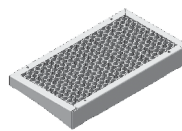
TOP HAT

Series	Finish
TH1 Top Hat	BKT textured black paint WHT textured white paint SIT textured silver paint DBT textured dark bronze paint CPF custom paint finish



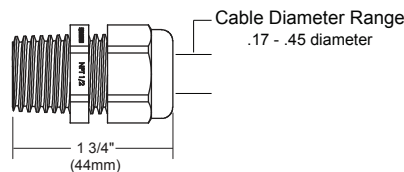
BAFFLE

Series	Finish
BF1 Baffle	BKT textured black paint WHT textured white paint SIT textured silver paint DBT textured dark bronze paint CPF custom paint finish



LIQUID-TIGHT CORD GRIP

Series
CORDGP1 Liquid-tight cord grip



BFL701

BLANCA

Type:

Project:

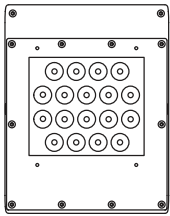
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DIMENSIONS & MOUNTING

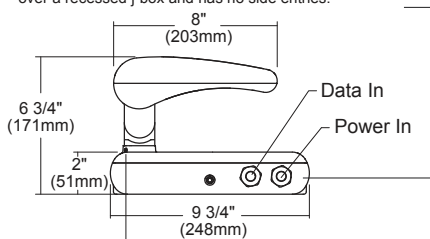
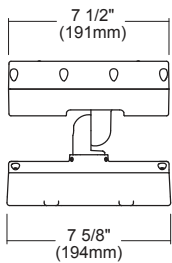
INTEGRAL POWER SUPPLY DIMENSIONS

BFL701-Half Flood

701ASF Mount & 701AWC Mount



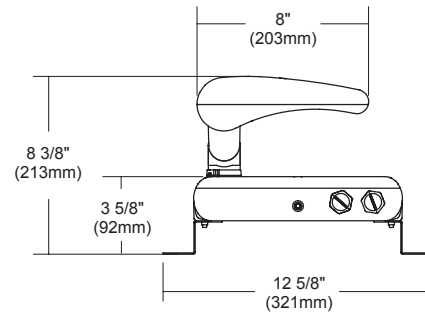
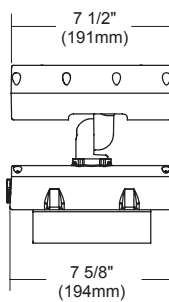
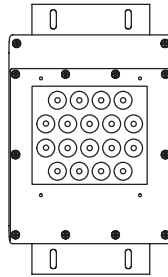
Surface feed 701ASF mount (shown) is equipped with (4) 1/2" NPT side holes for in/thru feed of conduit or cable. Proper sealing of fittings is required at installation when used outdoors. The 701AWC mounts over a recessed j-box and has no side entries.



Set Screw for locking in rotational aiming

BFL701-Half Flood

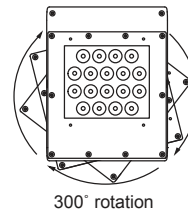
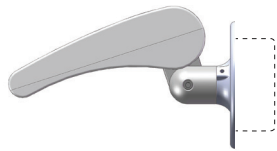
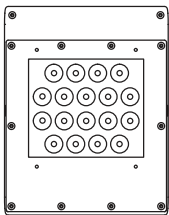
701ABM Mount



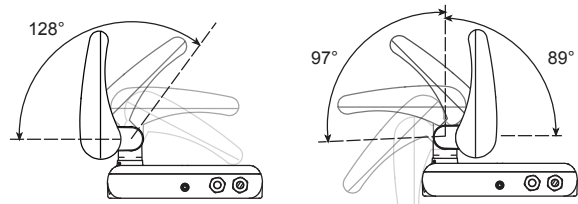
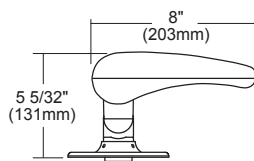
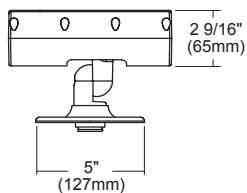
REMOTE POWER SUPPLY DIMENSIONS

BFL701-Half Flood

701ARM Mount



300° rotation



Adjustability