

Catalog Number	
Notes	Type

GBLB3

GlasWerks® Prismatic LED Bern®



SPECIFICATIONS

General Description

This architectural luminaire consists of a borosilicate glass refractor coupled with a spun aluminum housing.

Optical Assembly

The optical assembly consists of a prismatic glass refractor to precisely distribute light with excellent visual comfort and reduced glare. Configurable with CCT options of 2700K, 3000K, and 4000K. CRI is 70 minimum. Available with many different form factors and optical distributions

Electrical Assembly

The cast aluminum electrical housing has a smooth domed contour. A (3) station terminal block is provided to accept #14 through #2 size wire. The electrical housing is hinged with a tool-less latch to provide easy access to the gear assembly. The unitized electrical assembly, containing the electronic driver and other electrical components, plugs into the quick disconnect receptacle. Programmable LED driver with 0-10V dimming. Optional DALI dimming. Driver life is rated to at least 100,000 hours.

Mounting Style

Optional mounting styles include Quick Lock Stem, NPT threads, and horizontal arm. Quick Lock Stem Mounting style includes a welded stem for fast installation and is compatible with the following leveling fitters:

- Boston Harbor Decorative Arm Fitter (BHDF)
- GlasWerks Decorative Arm Fitter (GWDF)
- West Liberty Decorative Arm Fitter (WLDF)
- Ball Style Decorative Arm Fitter (BADF)

The arm mount version is provided with two U-bolts with washers and nuts and two leveling set screws that lock the housing to a 2" nominal (Ø2-3/8" O.D.) horizontal arm and allow a $\pm 5^\circ$ degree adjustment from horizontal to the cover.

Finish

Aluminum housing is finished with corrosion resistant super durable powder coat paint for maximum durability. Finish is rated to 5,000 hour salt spray per ASTM B117.

Listing

The luminaire is CSA certified to US and Canadian standards. 20kV/10kA extreme surge protection per ANSI/IEEE C136.2. Suitable for operation in ambient temperatures from -40°C to 40°C . Optical chamber is sealed to IP66.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Government Procurement

BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/resources/buy-american for additional information.

Warranty

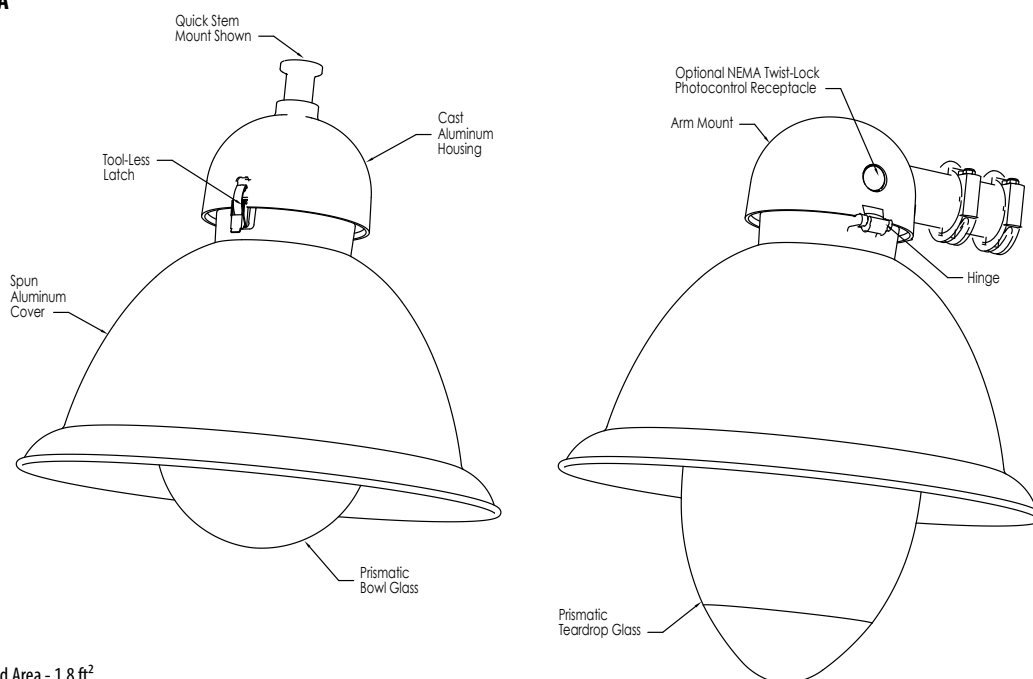
This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Limited warranty located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: 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 .

Specification subject to change without notice.

DIMENSIONAL DATA



Maximum Weight - 63 lbs

Maximum Effective Projected Area - 1.8 ft²

GBLB3

GlasWerks® Prismatic LED Bern®



ORDERING INFORMATION

Example: GBLB3 P20 30K MVOLT BG3 QSM BK

Product Series	Lumen Package	Color Temperature	Voltage	Optics	Mounting	Color
GBLB3 Bern®	P10 P10 Performance Package	27K 2700K	MVOLT Auto-sensing 120-277V	BG3 Bowl Glass, Type 3	ARM Arm Mount	BK Black
	P20 P20 Performance Package	30K 3000K	HVOLT Auto-sensing 347-480V	BG5 Bowl Glass, Type 5	NPT Pendant 1.5" NPT	BZ Bronze
	P30 P30 Performance Package	40K 4000K		TG4 Teardrop Glass, Type 4	QSM Quick Stem Mount	GH Graphite
	P40 P40 Performance Package			SC2 Small Cylinder Glass, Type 2		GN Green
	P50 P50 Performance Package			SC3 Small Cylinder Glass, Type 3		GR Gray
	P60 P60 Performance Package			SC5 Small Cylinder Glass, Type 5		WH White
				LC3 Large Cylinder Glass, Type 3		
				LC5 Large Cylinder Glass, Type 5		
				SG3 Sag Glass, Type 3		
				SG5 Sag Glass, Type 5		

Options					
Photocontrol Receptacle:		Photocontrol:		Dimming Options:	
PR7 7-pin NEMA twistlock photocontrol receptacle		PCLL DTL solid state long life photocontrol (120-277V)		AO Adjustable Output Module	
PR7E Prepared for external 7-pin photocontrol receptacle		P34 Solid state long life photocontrol (347V)		DALI DALI driver	
		P48 Solid state long life photocontrol (480V)			
		SH Shorting Cap			
				Prewire Lead Options:	
				L03 3' of prewired leads	
				L10 10' of prewired leads	
				L20 20' of prewired leads	
				L25 25' of prewired leads	
				L30 30' of prewired leads	
				NEMA Label Option:	
				NL1X1 1" x 1" NEMA Label	
				NL3X3 3" x 3" NEMA Label	

OPTIONS MATRIX

		Lumen Package						Voltage		Receptacle		Photocontrol				Dimming Options	
		P10	P20	P30	P40	P50	P60	MVOLT	HVOLT	PR7	PR7E	PCLL	PCL3	PCL4	SH	AO	DALI
Lumen Package	P10		N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD
	P20	N		N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD
	P30	N	N		N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD
	P40	N	N	N		N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD
	P50	N	N	N	N		N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD
	P60	N	N	N	N	N		Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD
Voltage	MVOLT	Y	Y	Y	Y	Y	Y		N	Y	Y	Y	N	N	Y	Y	RFD
	HVOLT	Y	Y	Y	Y	Y	Y	N		Y	Y	N	Y	Y	Y	Y	N
Receptacle	PR7	Y	Y	Y	Y	Y	Y	Y	Y		N	Y	Y	Y	Y	Y	RFD
	PR7E	Y	Y	Y	Y	Y	Y	Y	Y	N		Y	Y	Y	Y	Y	RFD
Photocontrol	PCLL	Y	Y	Y	Y	Y	Y	Y	N	Y	Y		N	N	N	Y	RFD
	PCL3	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N		N	N	Y	RFD
	PCL4	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	N		N	Y	RFD
	SH	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N		Y	RFD
Dimming Options	AO	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		N
	DALI	RFD	RFD	RFD	RFD	RFD	RFD	RFD	N	RFD	RFD	RFD	RFD	RFD	RFD	N	

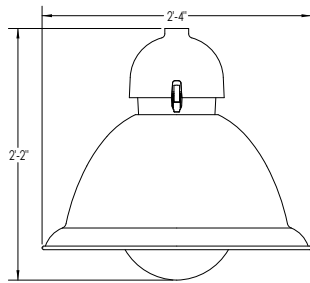
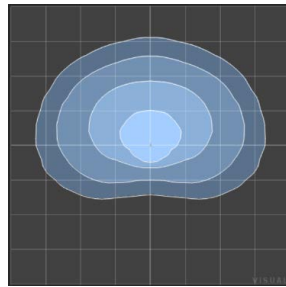
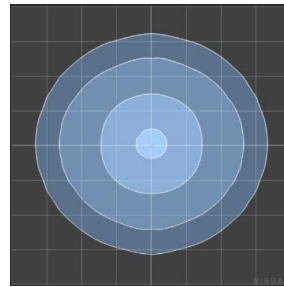
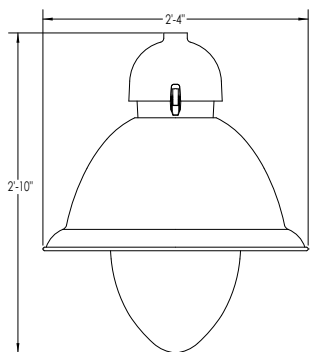
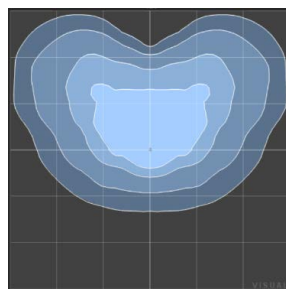
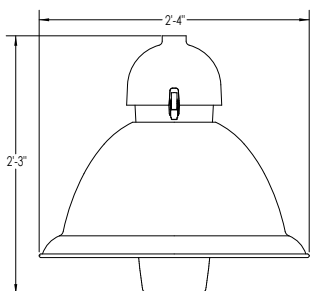
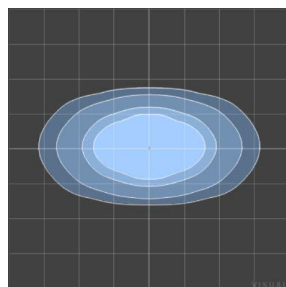
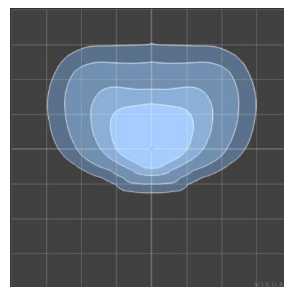
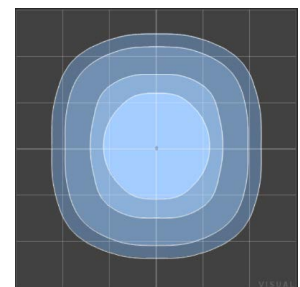
Y = combination is available

N = combination is not available

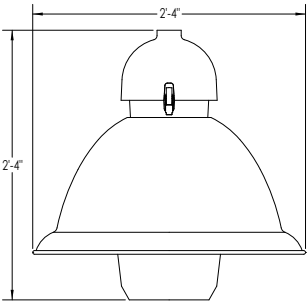
PERFORMANCE DATA

Performance Package	Wattage	Optical Distribution	2700K		3000K		4000K	
			Lumens	LPW	Lumens	LPW	Lumens	LPW
P10	24	BG3	2,738	113	3,084	127	3,205	132
		TG4	2,755	114	3,103	128	3,224	133
		BG5	2,848	117	3,209	132	3,334	137
		SC2	2,994	123	3,373	139	3,504	145
		SC3	3,088	127	3,478	143	3,614	149
		SC5	3,198	132	3,602	149	3,743	154
		LC3	2,352	97	2,650	109	2,753	114
		LC5	2,573	106	2,898	120	3,011	124
		SG3	2,761	114	3,110	128	3,231	133
P20	36	SG5	2,980	123	3,357	138	3,487	144
		BG3	4,010	110	4,517	124	4,693	129
		TG4	4,034	111	4,545	125	4,722	130
		BG5	4,171	115	4,699	129	4,882	135
		SC2	4,384	121	4,939	136	5,132	141
		SC3	4,522	125	5,094	140	5,292	146
		SC5	4,683	129	5,275	145	5,481	151
		LC3	3,445	95	3,881	107	4,032	111
		LC5	3,768	104	4,245	117	4,410	122
P30	50	SG3	4,043	111	4,555	126	4,732	130
		SG5	4,364	120	4,916	135	5,107	141
		BG3	5,218	105	5,878	119	6,107	123
		TG4	5,250	106	5,914	119	6,144	124
		BG5	5,428	110	6,114	123	6,353	128
		SC2	5,705	115	6,427	130	6,677	135
		SC3	5,884	119	6,628	134	6,887	139
		SC5	6,094	123	6,865	139	7,132	144
		LC3	4,483	90	5,050	102	5,247	106
P40	62	LC5	4,903	99	5,523	111	5,739	116
		SG3	5,261	106	5,927	120	6,158	124
		SG5	5,678	115	6,396	129	6,646	134
		BG3	6,467	104	7,285	117	7,569	122
		TG4	6,506	105	7,329	118	7,615	122
		BG5	6,727	108	7,578	122	7,873	126
		SC2	7,071	114	7,965	128	8,276	133
		SC3	7,292	117	8,215	132	8,535	137
		SC5	7,552	121	8,508	137	8,840	142
P50	80	LC3	5,556	89	6,259	101	6,503	104
		LC5	6,077	98	6,846	110	7,112	114
		SG3	6,521	105	7,345	118	7,632	123
		SG5	7,037	113	7,928	127	8,237	132
		BG3	8,055	101	9,074	114	9,428	118
		TG4	8,104	101	9,129	114	9,485	119
		BG5	8,379	105	9,439	118	9,807	123
		SC2	8,807	110	9,921	124	10,308	129
		SC3	9,083	114	10,232	128	10,631	133
P60	100	SC5	9,407	118	10,597	133	11,010	138
		LC3	6,920	87	7,796	98	8,100	101
		LC5	7,569	95	8,527	107	8,859	111
		SG3	8,122	102	9,149	115	9,506	119
		SG5	8,765	110	9,874	124	10,259	128</

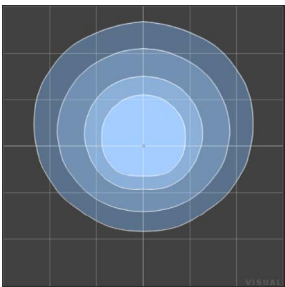
OPTICAL DISTRIBUTIONS

**Bowl Glass****BG3****BG5****Teardrop Glass****TG4****Small Cylinder Glass****SC2****SC3****SC5**

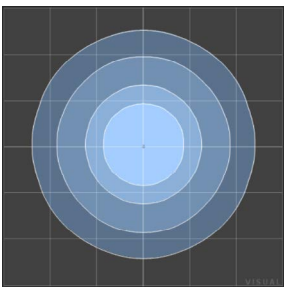
OPTICAL DISTRIBUTIONS



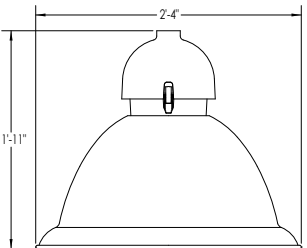
Large Cylinder Glass



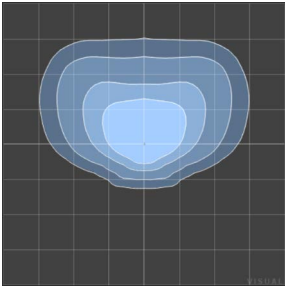
LC3



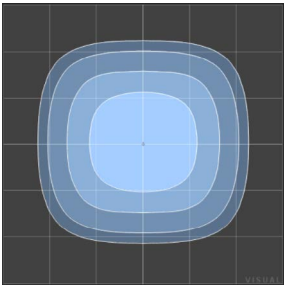
LC5



Sag Glass



SG3



SG5

LED Lumen Maintenance						
Lumen Package	25,000 hours	36,000 hours	50,000 hours	60,000 hours	75,000 hours	100,000 hours
P10 - P50	0.96	0.94	0.92	<i>0.91</i>	<i>0.89</i>	<i>0.85</i>
P60	0.95	0.93	0.90	<i>0.88</i>	<i>0.85</i>	<i>0.81</i>

Lumen maintenance calculated according to TM-21 at 25°C ambient. Italicized values are extrapolated beyond the standard.

Adjustable Output (AO) Response		
AO Setting	% Lumen Output	% Wattage
8	100%	100%
7	88%	87%
6	76%	74%
5	64%	61%
4	56%	53%
3	39%	35%
2	27%	22%
1	21%	16%

Luminaire Ambient Temperature Factor	
Ambient Temperature	Relative Lumen Output
0°C	1.02
15°C	1.01
20°C	1.01
25°C	1.00
30°C	0.99
35°C	0.99
40°C	0.98