

Catalog Number	
Notes	Type

GSLB3

GlasWerks® Prismatic LED
Hallbrook®



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 ±5° 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) Premium qualified product. Not all versions of this product may be DLC Premium 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

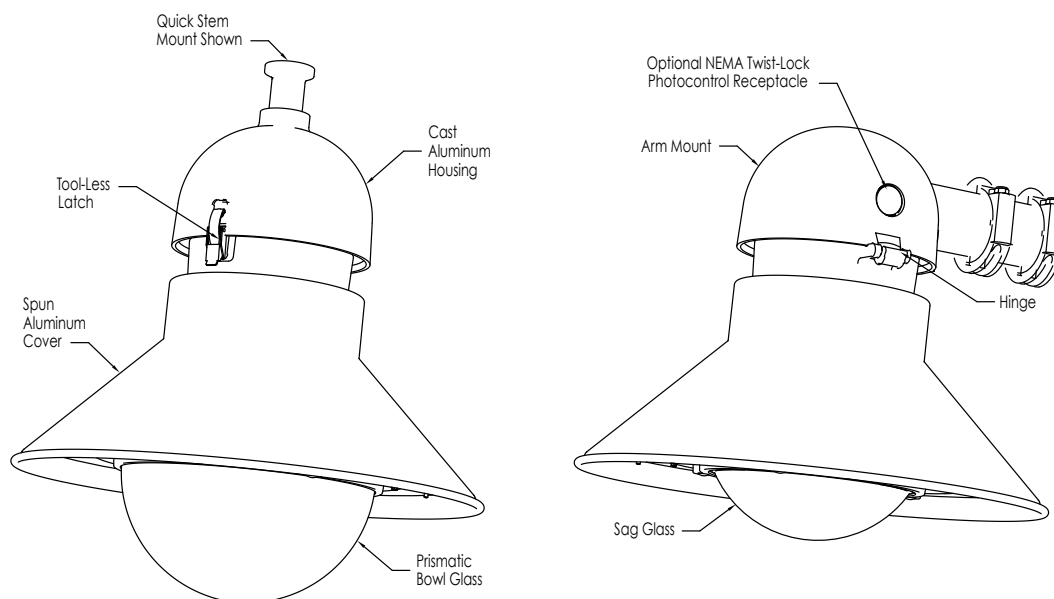
Limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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 - 60 lbs

Maximum Effective Projected Area - 1.6 ft²

ORDERING INFORMATION

Example: GSLB3 P20 30K MVOLT BG3 QSM BK

Product Series		Lumen Package		Color Temperature		Voltage		Optics		Mounting		Color	
GSLB3	Hallbrook®	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			BG5	Bowl Glass, Type 5	NPT	Pendant 1.5" NPT	BZ	Bronze
		P30	P30 Performance Package	40K	4000K	HVOLT	Auto-sensing 347-480V	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:		NEMA Label Option:
		L03	3' of prewired leads	NL1X1 1" x 1" NEMA Label
		L10	10' of prewired leads	NL3X3 3" x 3" NEMA Label
		L20	20' of prewired leads	
		L25	25' of prewired leads	
		L30	30' of prewired leads	

OPTIONS MATRIX

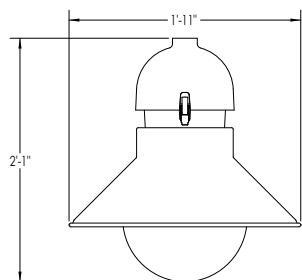
		Lumen Package						Voltage		Receptacle		Photocontrol				Dimming Options	
		P10	P20	P30	P40	P50	P60	MVOLT	HVOLT	PR7	PR7E	PCLL	PCL3	PCL4	SH	AO	DALI
Lumen Package	P10		N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD
	P20	N		N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD
	P30	N	N		N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD
	P40	N	N	N		N	N	Y	Y	Y	Y	Y	Y	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
RFD = consult factory, additional information required

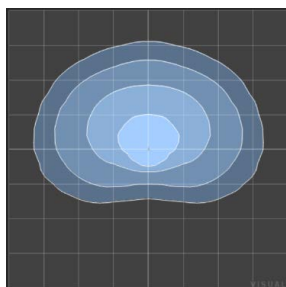
PERFORMANCE DATA

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	2,647	109	2,982	123	3,098	128
		BG5	2,860	118	3,222	133	3,348	138
		SC2	2,960	122	3,334	138	3,464	143
		SC3	3,087	127	3,478	143	3,613	149
		SC5	3,206	132	3,612	149	3,753	155
		LC3	2,361	97	2,660	110	2,764	114
		LC5	2,606	107	2,936	121	3,050	126
		SG3	2,747	113	3,095	128	3,216	133
P20	36	SG5	2,947	122	3,320	137	3,449	142
		BG3	4,010	110	4,517	124	4,693	129
		TG4	3,877	107	4,367	120	4,537	125
		BG5	4,188	115	4,718	130	4,902	135
		SC2	4,334	119	4,883	135	5,073	140
		SC3	4,521	125	5,093	140	5,292	146
		SC5	4,695	129	5,289	146	5,496	151
		LC3	3,458	95	3,896	107	4,047	112
		LC5	3,816	105	4,299	118	4,467	123
P30	50	SG3	4,024	111	4,533	125	4,709	130
		SG5	4,316	119	4,861	134	5,051	139
		BG3	5,218	105	5,878	119	6,107	123
		TG4	5,045	102	5,683	115	5,904	119
		BG5	5,450	110	6,140	124	6,379	129
		SC2	5,640	114	6,353	128	6,601	133
		SC3	5,883	119	6,628	134	6,886	139
		SC5	6,110	123	6,883	139	7,151	144
		LC3	4,500	91	5,069	102	5,267	106
P40	62	LC5	4,966	100	5,594	113	5,812	117
		SG3	5,236	106	5,898	119	6,128	124
		SG5	5,616	113	6,326	128	6,573	133
		BG3	6,467	104	7,285	117	7,569	122
		TG4	6,252	100	7,043	113	7,318	118
		BG5	6,755	109	7,610	122	7,906	127
		SC2	6,990	112	7,874	127	8,181	131
		SC3	7,292	117	8,214	132	8,534	137
		SC5	7,573	122	8,531	137	8,863	142
P50	80	LC3	5,577	90	6,283	101	6,528	105
		LC5	6,155	99	6,933	111	7,204	116
		SG3	6,489	104	7,310	117	7,595	122
		SG5	6,960	112	7,840	126	8,146	131
		BG3	8,055	101	9,074	114	9,428	118
		TG4	7,787	98	8,773	110	9,115	114
		BG5	8,414	105	9,478	119	9,848	123
		SC2	8,707	109	9,808	123	10,191	128
		SC3	9,082	114	10,231	128	10,630	133
P60	100	SC5	9,432	118	10,625	133	11,040	138
		LC3	6,947	87	7,825	98	8,130	102
		LC5	7,666	96	8,636	108	8,973	112
		SG3	8,083	101	9,105	114	9,460	118
		SG5	8,669	109	9,766	122	10,146	127
		BG3	9,701	97	10,928	109	11,354	113
		TG4	9,379	94	10,565	105	10,977	110
		BG5	10,133	101	11,415	114	11,860	118
		SC2	10,486	105	11,812	118	12,273	122
		SC3	10,938	109	12,322	123	12,802	128
		SC5	11,359	113	12,796	128	13,295	133
		LC3	8,366	83	9,424	94	9,792	98
		LC5	9,233	92	10,401	104	10,806	108
		SG3	9,734	97	10,965	109	11,393	114
		SG5	10,440	104	11,761	117	12,220	122

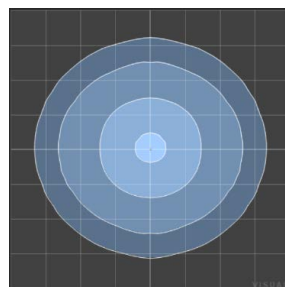
OPTICAL DISTRIBUTIONS



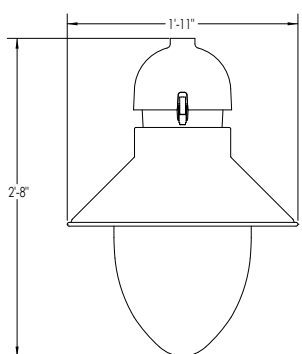
Bowl Glass



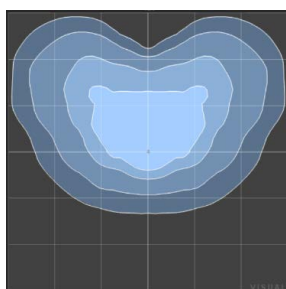
BG3



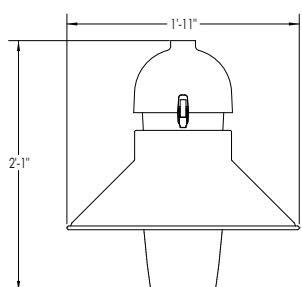
BG5



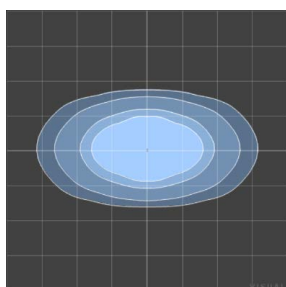
Teardrop Glass



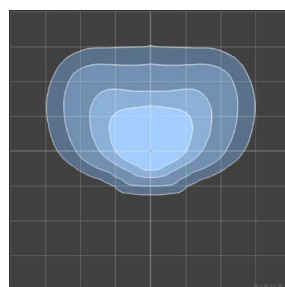
TG4



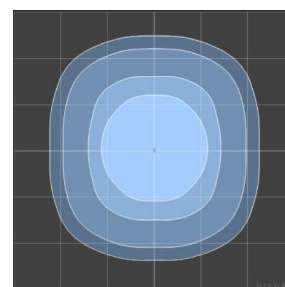
Small Cylinder Glass



SC2

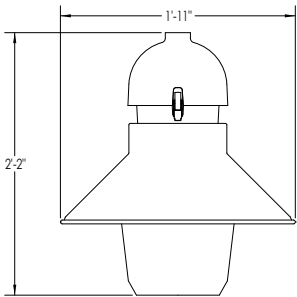


SC3

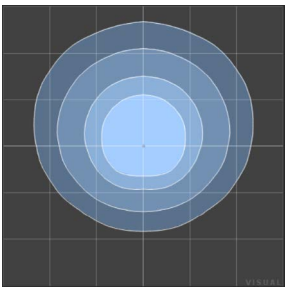


SC5

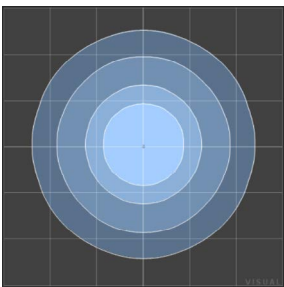
OPTICAL DISTRIBUTIONS



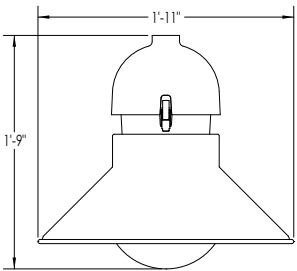
Large Cylinder Glass



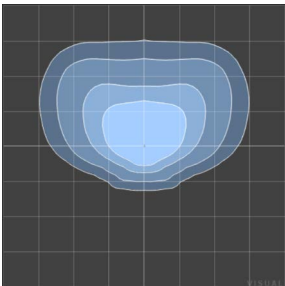
LC3



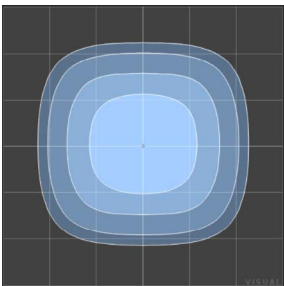
LC5



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