

Catalog Number	
Notes	Type

## GELF3

GlasWerks® Luminescent LED Hallbrook® Extended



### General Description

The architectural luminaire consists of a flat LED optical assembly shielded by a decorative formed housing and a top mounted cast aluminum electrical assembly. The optical assembly is seamlessly integrated into the form factor for beautiful daytime appearance and exceptionally uniform lighting at night.

### Optical Assembly

The optical assembly consists of an edgelit waveguide light engine for unmatched visual comfort. Light from the LED module is distributed by proprietary wave guide technology to maximize uniformity and minimize glare. Configurable with CCT options of 2700K, 3000K, and 4000K. CRI is 70 minimum. Available with asymmetric, symmetric, or pathway distributions.

### Mounting Style

Optional mounting styles include Quick Lock Stem, NPT threads, and horizontal arm.

Quick Lock Stem Mounting style 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 Fitter (BADF)

### 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. The pendant mount version has a welded stem (Quick Lock Stem Mounting), which aids in installation speed. 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 inch nominal (2-3/8" O.D.) horizontal arm and allow a  $\pm 5^\circ$  degree adjustment from horizontal to the cover.

### Electrical System

Programmable LED driver with 0-10V dimming. Optional DALI dimming. Driver life is rated to at least 100,000 hours. Luminaire surge protection rating of 20kV/10kA per ANSI/IEEE C62.41.2.

### Finish

The luminaire is finished with corrosion resistance super durable powder coat paint to ensure maximum durability. Finish is rated to 5,000 hours salt spray per ASTM B117.

### Listing

The luminaire is CSA certified to US and Canadian standards. IP55 rated electrical chamber, IP66 rated LED optic chamber. 20kV/10kA extreme surge protection per ANSI/IEEE C136.2. Suitable for operation in ambient temperatures from  $-40^\circ\text{C}$  to  $40^\circ\text{C}$

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](http://www.designlights.org/QPL) to confirm which versions are qualified.

### Buy American Act

This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to [www.acuitybrands.com/resources/buy-american](http://www.acuitybrands.com/resources/buy-american) for additional information.

### Warranty

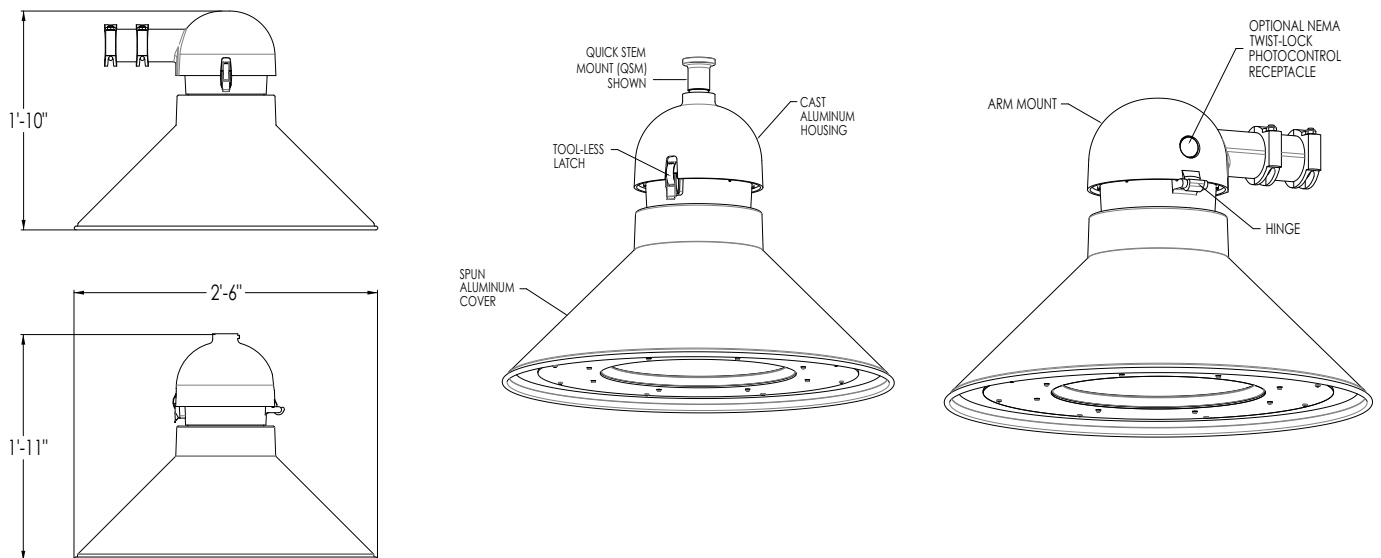
This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Limited warranty located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**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  $25^\circ\text{C}$ .

Specifications subject to change without notice.

## DIMENSIONAL DATA



Maximum Weight - 51 lbs

Maximum Effective Projected Area - 1.2 ft<sup>2</sup>

**ORDERING INFORMATION**

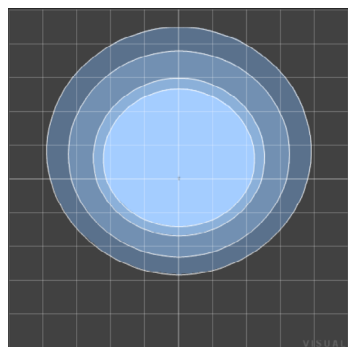
**Example:** GELF3 P30 40K MVOLT ASY QSM BK

Cover Type	LED Lumen Package	Color Temperature	Voltage	Optics	Mounting Style	Finish Color
GELF3 Hallbrook® Extended	P10 P10 Performance Package	27K 2700K, 70 CRI	MVOLT 120-277V	ASY Asymmetric	ARM Horizontal Arm Mount	BK Black
	P20 P20 Performance Package	30K 3000K, 70 CRI	HVOLT 347-480V	SYM Symmetric	NPT 1.5" NPT Thread	BZ Bronze
	P30 P30 Performance Package	40K 4000K, 70 CRI		PTH Pathway	QSM Quick Stem Mount	GH Graphite
	P40 P40 Performance Package					GN Green
	P50 P50 Performance Package					GR Gray
	P60 P60 Performance Package					WH White
	P70 P70 Performance Package					
	P80 P80 Performance Package					

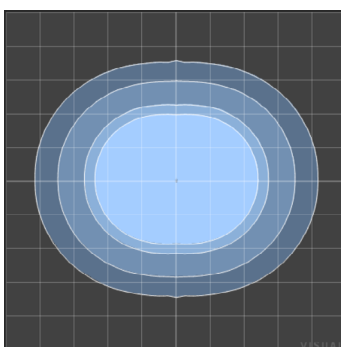
Options	
<b>Control Options:</b>	<b>Prewire Lead Options:</b>
PR3 3 pin NEMA photocontrol receptacle	L03 3ft prewire leads
PR7 7 pin NEMA photocontrol receptacle	L10 10ft prewire leads
PR3E 3 pin NEMA photocontrol external	L20 20ft prewire leads
PR7E 7 pin NEMA photocontrol external	L25 25ft prewire leads
P34 Solid state long life photocontrol (347V)	L30 30ft prewire leads
P48 Solid state long life photocontrol (480V)	
PCLL DLL photocontrol	<b>NEMA Label Options:</b>
SH Shorting cap	NL1X1 1" x 1" NEMA label
A0 Adjustable Output Module	NL3X3 3" x 3" NEMA label
DALI DALI dimming	
WG Wire guard (ships separately)	
HSS House side shield (ships separately)	

Accessories: Order as separate catalog number.	
GBLF3HSS	House side shield
GBLF3WG	Wire guard

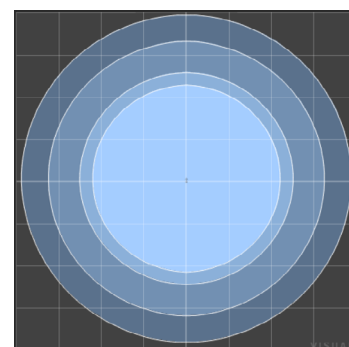
**OPTICAL DISTRIBUTIONS**



ASY



PTH



SYM

**PERFORMANCE DATA**

Lumen and Wattage Data

Lumen Package	System Wattage	Distribution	2700K, 70 CRI		3000K, 70 CRI		4000K, 70 CRI	
			Lumens	LPW	Lumens	LPW	Lumens	LPW
P10	30	ASY	3,738	126	3,870	130	4,122	139
		SYM	3,860	130	3,995	134	4,256	143
		PTH	3,681	124	3,811	128	4,059	137
P20	51	ASY	6,143	121	6,359	125	6,774	134
		SYM	6,343	125	6,565	129	6,994	138
		PTH	6,049	119	6,262	123	6,671	132
P30	62	ASY	7,377	118	7,636	122	8,135	130
		SYM	7,617	122	7,884	126	8,399	135
		PTH	7,264	116	7,520	120	8,011	128
P40	75	ASY	8,767	116	9,075	121	9,668	128
		SYM	9,052	120	9,370	124	9,982	133
		PTH	8,633	115	8,937	119	9,520	126
P50	95	ASY	10,810	114	11,190	118	11,920	125
		SYM	11,161	117	11,553	121	12,308	129
		PTH	10,645	112	11,019	116	11,738	123
P60	118	ASY	12,781	108	13,230	112	14,094	119
		SYM	13,196	111	13,660	115	14,551	123
		PTH	12,586	106	13,028	110	13,878	117
P70	151	ASY	15,726	104	16,278	108	17,341	115
		SYM	16,236	108	16,807	111	17,904	119
		PTH	15,485	103	16,029	106	17,076	113
P80	173	ASY	17,544	101	18,161	105	19,346	112
		SYM	18,114	105	18,750	108	19,974	115
		PTH	17,276	100	17,883	103	19,050	110

**OPTIONS MATRIX**

		Lumen Package								Voltage		Receptacle				Photocontrol				Dimming Options		
		P10	P20	P30	P40	P50	P60	P70	P80	MVOLT	HVOLT	PR3	PR7	PR3E	PR7E	PCLL	PCL3	PCL4	SH	AO	DALI	
Lumen Package	P10		N	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD*	
	P20	N		N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD*
	P30	N	N		N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD*
	P40	N	N	N		N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD*
	P50	N	N	N	N		N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD
	P60	N	N	N	N	N		N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD
	P70	N	N	N	N	N	N		N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD
	P80	N	N	N	N	N	N	N		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD
Voltage	MVOLT	Y	Y	Y	Y	Y	Y	Y	Y		N	Y	Y	Y	Y	Y	N	N	Y	Y	RFD	
	HVOLT	Y	Y	Y	Y	Y	Y	Y	Y	N		Y	Y	Y	Y	N	Y	Y	Y	Y	N	
Receptacle	PR3	Y	Y	Y	Y	Y	Y	Y	Y	Y		N	N	N	N	Y	Y	Y	Y	Y	RFD	
	PR7	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		N	N	N	Y	Y	Y	Y	Y	RFD	
	PR3E	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N		N	N	Y	Y	Y	Y	Y	RFD	
	PR7E	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N		N	Y	Y	Y	Y	Y	RFD	
Photocontrol	PCLL	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y		N	N	N	Y	RFD	
	PCL3	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	N		N	N	Y	RFD	
	PCL4	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N	N		N	Y	Y	RFD	
	SH	Y	Y	Y	Y	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	Y	Y	Y	Y	Y	N	
	DALI	RFD*	RFD*	RFD*	RFD*	RFD	RFD	RFD	RFD	RFD	N	RFD	RFD	RFD	RFD	RFD	RFD	RFD	RFD	RFD	N	

Y = combination is available

N = combination is not available

RFD = consult factory, additional information required

RFD\* = consult factory, additional information required, not CSA certified

# GELF3

GlasWerks® Luminescent LED Hallbrook® Extended



LED Lumen Maintenance					
25,000 hours	36,000 hours	50,000 hours	60,000 hours	75,000 hours	100,000 hours
98%	96%	94%	93%	91%	88%

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	94%	94%
6	82%	81%
5	70%	68%
4	58%	56%
3	46%	43%
2	33%	31%
1	21%	19%

Luminaire Ambient Temperature Factor	
Ambient Temperature	Relative Lumen Output
0°C	1.03
15°C	1.02
20°C	1.01
25°C	1.00
30°C	0.99
35°C	0.99
40°C	0.98