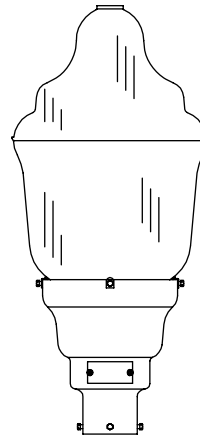
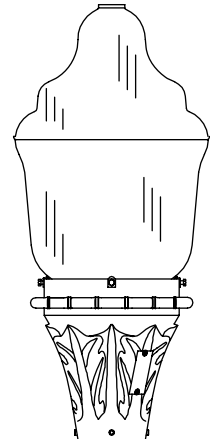


Catalog Number	
Notes	Type



Simple Housing



Leaf Housing

GVDRETRO3

GranVille Classic LED3 Standard Retrofit Kit

For use with GranVille Legacy Electrical Housings



SPECIFICATIONS

General Description

The GranVille Classic LED 3 Standard RETRO Series is an OEM certified retrofit system designed to be compatible with installed GranVille luminaires. It allows you to keep your existing housing and refractive globe in order to save on material costs, simplify installation, improve sustainability and allow you to retain the original aesthetic appearance.

- Available for 2 legacy housing styles, which include the Leaf and Simple housings.
- Optimized optical system delivers exceptional Lumens Per Watt (LPW)
- Choice of five lumen packages replacing 50W - 250W HPS and 70W- 175W MH sources
- Engineered and tested thermally for exceptional component life
- CSA Listed for use in Holophane Original designs

Legacy HID Series	Housing Style	Existing Glass Type
GV	Classic Housings L, S (Non-Utility)	2-piece glass, hinged Ribs & Band

PLEASE NOTE: Replacement optics are necessary for all existing models of GV with hinged Ribs & Band assembly, featuring top re-lamping

Electrical Specifications

- The driver shall meet the following requirements:
- Certified by UL or CSA for wet locations
 - A programmable electronic driver with 0-10V
 - LEDs shall have a minimum of 70 CRI and available in 2700K, 3000K, 4000K, and 5000K CCT
 - The electrical system shall be designed to meet ANSI/IEEE C62.41.2 and shall offer a 10kV/5kA surge protection, fail off, as standard with an upgradable 20kV/10kA surge protection, fail off with indicator light, option
 - Lumen output can be customized prior to manufacturing by way of FPDxx option
 - The electrical components are mounted on an aluminum plate that is removeable with minimum use of tools. A matching five conductor plug connects to the receptacle in the luminaire housing to complete the wiring. For photoelectric operation, the electrical module is provided with an EEI-NEMA twist-lock photocell receptacle with select housings.

Control Options

The control options shall include, but not limited to, the following:

- Three (3) choices of button-style photocontrol kits specified to match voltage requirements: 120V, 208-277V, or 347V, and colored to match housing finish (480V kit not available).

Certification and Standards

- Luminaire shall be UL or CSA listed
- Suitable for operation in an ambient temperature up to 40°C / 105°F per UL or CSA certification
- LM79 compliant
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check with 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

5-year 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.

GVDRETRO3

GranVille Classic LED3 Standard Retrofit Kit



ORDERING INFORMATION

Example: GVDRETRO3 P30 30K MVOLT SPL GL3

Series	LED Performance Package	LED Color temperature	Voltage	Housing Style
GVDRETRO3 GranVille Classic LED3 Standard Retrofit Kit	P10 3,300 nominal lumens	27K 2700K CCT	MVOLT Auto-Sensing 120-277V 50/60HZ	CLF Classic Leaf Casting
	P20 5,500 nominal lumens	30K 3000K CCT	HVOLT Auto-Sensing 347-480V 50/60HZ	SPL Simple Casting
	P30 8,400 nominal lumens	40K 4000K CCT		
	P40 10,900 nominal lumens	50K 5000K CCT		
	P50 13,200 nominal lumens			

Optics	Options: <i>Option Compatibility Matrix on page 3 of 4</i>		
GL3 Glass, Type III	DRIVER ELECTRICAL OPTIONS		NEMA LABEL OPTIONS
GL5 Glass, Type V	FPDxx Factory Programmed Driver		NL1X1 1" X 1" ANSI Wattage Label
	20KV Extreme surge protection 20kV/10kA, fail off with indicator light		NL2X2 2" X 2" ANSI Wattage Label

Accessories: <i>Order as separate catalog</i>	
HOUSE-SIDE SHIELD OPTIONS	PHOTOCONTROL KITS
GVDHSS90 House Side Shield Solid 90°	GVD12X Button Style Photocontrol Kit with 120V DTL Photocell
GVDHSS12 House Side Shield Solid 120°	GVD27X Button Style Photocontrol Kit with 120-277V DTL Photocell
GVDHSS18 House Side Shield Solid 180°	GVD34X Button Style Photocontrol Kit with 347V DTL Photocell (Insert trim finish for x)

OPTIONS MATRIX

GVDRETRO3 (Standard Housing)		Housing Style		LED Package					Voltage		Distribution		Options	
		CLF	SPL	P10	P20	P30	P40	P50	MVOLT	HVOLT	GL3	GL5	FPDxx	20kV
Housing Style	CLF		N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	SPL	N		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
LED Package	P10	Y	Y		N	N	N	N	Y	Y	Y	Y	Y	Y
	P20	Y	Y	N		N	N	N	Y	Y	Y	Y	Y	Y
	P30	Y	Y	N	N		N	N	Y	Y	Y	Y	Y	Y
	P40	Y	Y	N	N	N		N	Y	Y	Y	Y	Y	Y
	P50	Y	Y	N	N	N	N		Y	Y	Y	Y	Y	Y
Voltage	MVOLT	Y	Y	Y	Y	Y	Y	Y		N	Y	Y	Y	Y
	HVOLT	Y	Y	Y	Y	Y	Y	Y	N		Y	Y	Y	Y
Distributions	GL3	Y	Y	Y	Y	Y	Y	Y	Y	Y		N	Y	Y
	GL5	Y	Y	Y	Y	Y	Y	Y	Y	Y	N		Y	Y
Options	FPDxx	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y
	20kV	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
House-Side Shield	GVDHSS90	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	GVDHSS12	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	GVDHSS18	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Photocontrol Kit with DTL photocell	GVD12*	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
	GVD27*	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
	GVD34*	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y

MATRIX KEY

N = Combination Not available

Y = Valid Option Combination

LUMEN AMBIENT TEMPERATURE (LAT) MULTIPLIERS

Use the factors to determine relative lumen output for average ambient temperatures from 0-35°C (32-104°F)

Ambient Temp		Lumen Multiplier	
°C	°F	P10, P20	P30, P40, P50
0	32	1.03	1.04
5	41	1.02	1.03
10	50	1.02	1.03
15	59	1.01	1.02
20	68	1.01	1.01
25	77	1.00	1.00
30	86	0.99	0.99
35	94	0.99	0.98
40	104	0.98	0.97

PROJECTED LED LUMEN MAINTENANCE

Data references the extrapolated performance projections for the platforms noted in 25°C ambient, based on 6,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Lumen Maintenance - LLD (Same for all LED packages)							
Hours	0	25,000	36,000	50,000	60,000	75,000	100,000
Factor	1	0.96	0.94	0.91	0.90	0.87	0.83

The *italicized* data is extrapolated beyond the TM-21 standard.

PERFORMANCE DATA

Performance Package	Distribution	Input Watts	27K (2700K CCT, 70 CRI)					30K (3000K CCT, 70 CRI)					40K (4000K CCT, 70 CRI)					50K (5000K CCT, 70 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P10	GL3	23	2,891	126	1	3	3	3,281	143	1	3	3	3,342	145	1	3	3	3,403	148	1	3	3
	GL5		2,890	126	2	3	2	3,281	143	2	3	2	3,341	145	2	3	2	3,402	148	2	3	2
P20	GL3	39	4,753	122	2	4	4	5,395	138	2	4	4	5,494	141	2	4	4	5,594	143	2	4	4
	GL5		4,752	122	3	4	3	5,394	138	3	4	3	5,494	141	3	4	3	5,594	143	3	4	3
P30	GL3	61	7,273	119	2	4	5	8,256	135	2	5	5	8,409	138	2	5	5	8,562	140	3	5	5
	GL5		7,272	119	3	5	3	8,255	135	3	5	4	8,408	138	3	5	4	8,561	140	3	5	4
P40	GL3	80	9,460	118	3	5	5	10,738	134	3	5	5	10,937	137	3	5	5	11,136	139	3	5	5
	GL5		9,459	118	3	5	4	10,736	134	4	5	4	10,935	137	4	5	4	11,134	139	4	5	4
P50	GL3	99	11,419	115	3	5	5	12,961	131	3	5	5	13,202	133	3	5	5	13,442	136	3	5	5
	GL5		11,417	115	4	5	4	12,959	131	4	5	5	13,200	133	4	5	5	13,440	136	4	5	5

FPDXX DATA OPTIONS

FPDxx Setting	Wattage	P10 27K		P10 30K		P10 40K		P10 50K	
		GL3	GL5	GL3	GL5	GL3	GL5	GL3	GL5
Standard	23	2,891	2,890	3,281	3,281	3,342	3,341	3,403	3,402
FPD95	22	2,754	2,753	3,126	3,126	3,184	3,183	3,242	3,241
FPD90	21	2,617	2,616	2,970	2,970	3,026	3,025	3,081	3,080

FPDxx Setting	Wattage	P20 27K		P20 30K		P20 40K		P20 50K	
		GL3	GL5	GL3	GL5	GL3	GL5	GL3	GL5
Standard	39	4,753	4,752	5,395	5,394	5,494	5,494	5,594	5,594
FPD95	37	4,530	4,529	5,142	5,141	5,236	5,236	5,332	5,332
FPD90	35	4,306	4,305	4,888	4,887	4,978	4,978	5,068	5,068
FPD85	33	4,081	4,080	4,632	4,632	4,717	4,717	4,803	4,803
FPD80	31	3,855	3,854	4,376	4,375	4,456	4,456	4,537	4,537
FPD75	29	3,628	3,627	4,118	4,117	4,193	4,193	4,269	4,269
FPD70	27	3,399	3,398	3,858	3,858	3,929	3,929	4,001	4,001

FPDxx Setting	Wattage	P30 27K		P30 30K		P30 40K		P30 50K	
		GL3	GL5	GL3	GL5	GL3	GL5	GL3	GL5
Standard	61	7,273	7,272	8,256	8,255	8,409	8,408	8,562	8,561
FPD95	58	6,941	6,940	7,879	7,878	8,025	8,024	8,171	8,170
FPD90	55	6,605	6,605	7,498	7,497	7,637	7,636	7,776	7,775
FPD85	52	6,267	6,266	7,114	7,113	7,246	7,245	7,378	7,377
FPD80	48	5,789	5,789	6,572	6,571	6,694	6,693	6,815	6,815
FPD75	46	5,394	5,393	6,123	6,122	6,236	6,235	6,350	6,349
FPD70	43	5,034	5,033	5,714	5,714	5,820	5,820	5,926	5,926

FPDxx Setting	Wattage	P40 27K		P40 30K		P40 40K		P40 50K	
		GL3	GL5	GL3	GL5	GL3	GL5	GL3	GL5
Standard	80	9,460	9,459	10,738	10,736	10,937	10,935	11,136	11,134
FPD95	75	9,045	9,044	10,267	10,265	10,457	10,456	10,648	10,646
FPD90	71	8,624	8,623	9,789	9,788	9,971	9,969	10,152	10,151
FPD85	67	8,197	8,196	9,305	9,303	9,477	9,475	9,650	9,648
FPD80	63	7,764	7,763	8,813	8,811	8,976	8,975	9,140	9,138

FPDxx Setting	Wattage	P50 27K		P50 30K		P50 40K		P50 50K	
		GL3	GL5	GL3	GL5	GL3	GL5	GL3	GL5
Standard	99	11,419	11,417	12,961	12,959	13,202	13,200	13,442	13,440
FPD95	93	10,940	10,939	12,418	12,416	12,649	12,647	12,879	12,877
FPD90	88	10,452	10,450	11,863	11,861	12,084	12,082	12,303	12,301
FPD85	83	9,953	9,951	11,297	11,295	11,507	11,505	11,716	11,714

GVDRETRO3

GranVille Classic LED3 Standard Retrofit Kit

OPTIONAL COMPONENTS



20kV
Safeguard your investment from extreme voltage spikes with our new Extreme 20kV/10kA SPD