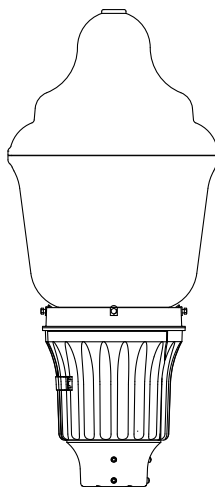
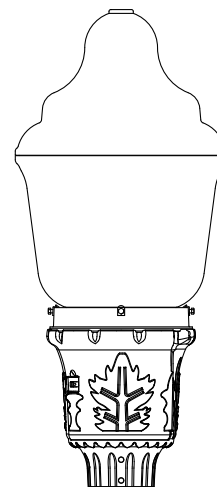


Catalog Number	
Notes	Type



Modern
Utility Housing



Leaf
Utility Housing



GPDRETRO3

Granville Premier LED3 Utility Retrofit Kit

For use with Granville Utility Electrical Housings

SPECIFICATIONS

General Description

The Granville Premier III LED 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 M and L Style "Utility" housings and Granville Premier.

- Optimized optical system delivers exceptional Lumens Per Watt (LPW)
- Choice of five lumen packages replacing 50W -250W HPS and 70W-175W MH sources
- Same components and standard product
- Engineered and designed to work only with Holophane produces
- CSA Listed for use in Holophane Original designs

Legacy HID Series	Housing Style	Existing Glass Type
GVP	Modern Housing, M or L style Utility housing with hinged door	2-piece, glued

Electrical Specifications

The driver shall meet the following requirements:

- Certified 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 Options
- 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 EEL-NEMA twist-lock photocell receptacle with select housings.

Control Options

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

- Field adjustable output to adjust output to luminaire -AO
- Long life photocontrol, 20 years -PCLL, P34 and P48 with DTL
- 7 pin receptacles internally in housing (PR7) or inside glass mounted (PR7E - not for use with photocontrols & nodes must have photocontrol disabled)
- nLight Air rSBOR6 outdoor fixture-mounted motion and photo-sensor, features a dual radio to communicate wirelessly to other nLight Air devices for group response to motion, on/off control in response to daylight and by switch -RSBOR6
- Fixture embedded nLight Air network interface for individual fixture control and dimming -NLTAIR2.

Finish

- Rigorous multi-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 8 (per ASTM D1654) after over 5000 hours exposure to salt fog chamber (operated per ASTM B117) on standard and RAL finish options.
- RAL (RALxxxxSDCR) paint colors are Super Durable Corrosion Resistant, 80% gloss.

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) 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 – 5 Years Limited

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.

Specifications subject to change without notice.

GPDRETRO3

Granville Premier LED3 Utility Retrofit Kit



ORDERING INFORMATION

Example: GPDRETRO3 P30 30K MVOLT MS GL3 BK RB ST TBK AO

Series	Led Performance Package	LED Color temperature	Voltage	Housing Style
GPDRETRO3 Granville Premier LED3	P10 3,400 nominal lumens	27K 2700K CCT	MVOLT Auto-Sensing 120-277V 50/60HZ	MS Modern Style Swing Open Design
	P20 5,400 nominal lumens	30K 3000K CCT	HVOLT Auto-Sensing 347-480V 50/60HZ	
	P30 8,800 nominal lumens	40K 4000K CCT		LS Leaf Style Swing Open Design
	P40 11,700 nominal lumens	50K 5000K CCT		
	P50 14,000 nominal lumens			

Optics	Housing Color	Options: <i>Option Compatibility Matrix on page 3 of 4</i>	
GL3 Glass, Type III	BK Black	CONTROLS OPTIONS	NEMA LABEL OPTIONS
GL5 Glass, Type V	BZ Bronze	AO Field Adjustable Output	NL1X1 1" X 1" ANSI Wattage Label
	GH Graphite	PR7 Dimming photocontrol receptacle - 7 pin	NL2X2 2" X 2" ANSI Wattage Label
	GN Green	PR7E Dimming photocontrol receptacle - 7 Pin (Under Glass)	
	GR Grey	PCLL Long Life DTL Twistlock Photocontrol for Solid State, MVOLT	
	PP Prime Paint	P34 Long Life DTL Twistlock Photocontrol for Solid State, 347V	
	WH White	P48 Long Life DTL Twistlock Photocontrol for Solid State, 480V	
	CMC CustomMatchColor Finish	SH Shorting Cap	
	XX STD Finish, TBD	RSBOR6 nLight Motion Sensing Photocontrols	
	RALxxxxSDCR RAL Super Durable Corrosion Resistant, 80% Gloss Paint, replace xxxx with RAL number.	NLTAIR2 nLight rIO 2.0 Antenna	
		DRIVER ELECTRICAL OPTIONS	
		FPDxx Factory Programmed Driver	
		20KV Extreme surge protection 20kV/10kA, fail off with indicator light	

Accessories: <i>Order as separate catalog number.</i>	
HOUSE-SIDE SHIELD OPTIONS	
GVDHSS90	House Side Shield Solid 90°
GVDHSS12	House Side Shield Solid 120°
GVDHSS18	House Side Shield Solid 180°

OPTIONS MATRIX

GPDTRETRO3 (Utility Housing)		Housing Style		LED Package						Voltage		Distribution		Options										
		MS	LS	P10	P20	P30	P40	P50	MVOLT	HVOLT	GL3	GL5	A0	FPDxx	PR7	PR7E	PCLL	P34	P48	SH	RSBOR6	NLTAIR2	20kV	
Housing Style	MS		N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	LS	N		Y	Y	Y	Y	Y	Y	Y	Y	Y	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	Y	Y	Y	Y	Y	Y	Y	N	Y	
	P20	Y	Y	N		N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	P30	Y	Y	N	N		N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	P40	Y	Y	N	N	N		N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	P50	Y	Y	N	N	N	N		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Voltage	MVOLT	Y	Y	Y	Y	Y	Y	Y		N	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	
	HVOLT	Y	Y	Y	Y	Y	Y	Y	N		Y	Y	Y	Y	Y	Y	N	N	N	Y	Y	N	Y	
Distributions	GL3	Y	Y	Y	Y	Y	Y	Y	Y	Y		N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	GL5	Y	Y	Y	Y	Y	Y	Y	Y	Y	N		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Options	A0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	N	N	Y	
	FPDxx	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	
	PR7	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		N	Y	Y	Y	Y	Y	N	Y	
	PR7E	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N		N	N	N	Y	N	N	Y	
	PCLL	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	N		N	N	N	N	N	N	Y
	P34	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	N	N		N	N	N	N	N	Y
	P48	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	N	N	N		Y	N	N	N	Y
	SH	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	N	N	Y
	RSBOR6	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	N	N	N	N	N	N		N	Y
	NLTAIR2	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	N	N	N	N	N	N		Y
	20kV	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Covers	FC	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y
		MC	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y
House-Side Shield	GVDHSS90	Y	Y	Y	Y	Y	Y	Y	Y	Y	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	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	GVDHSS18	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

MATRIX KEY

I = Combined Options Included
 N = Combination Not available
 Y = Valid Option Combination

ROAM OPTION DETAILS

DE = UL listed components without GPS capability, external antenna is black and includes ROAM capable node only, ROAM service package sold separately via Acuity Controls

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	1.04
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	<i>0.90</i>	<i>0.87</i>	<i>0.83</i>

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	2,965	129	1	4	2	3,365	146	1	4	3	3,428	149	1	4	3	3,490	152	1	4	3
	GL5		2,906	126	2	4	2	3,299	143	2	4	2	3,361	146	2	4	2	3,421	149	2	4	2
P20	GL3	37	4,698	127	2	4	3	5,333	144	2	5	3	5,432	147	2	5	3	5,531	149	2	5	3
	GL5		4,607	125	3	4	2	5,229	141	3	4	3	5,325	144	3	4	3	5,422	147	3	5	3
P30	GL3	57	7,594	133	3	5	4	8,619	151	3	5	4	8,779	154	3	5	4	8,939	157	3	5	4
	GL5		7,445	131	3	5	3	8,444	148	3	5	3	8,607	151	3	5	3	8,764	154	3	5	3
P40	GL3	78	10,123	130	3	5	5	11,490	147	3	5	5	11,703	150	3	5	5	11,916	153	3	5	5
	GL5		9,924	127	3	5	3	11,266	144	4	5	4	11,475	147	4	5	4	11,682	150	4	5	4
P50	GL3	95	12,067	127	3	5	5	13,697	144	3	5	5	13,950	147	3	5	5	14,204	150	3	5	5
	GL5		11,830	125	4	5	4	13,418	141	4	5	4	13,678	144	4	5	4	13,927	147	4	5	4

FPDXX DATA OPTIONS

FPDxx Setting		Wattage		P10 27K		P10 30K		P10 40K		P10 50K	
		GL3	GL5	GL3	GL5	GL3	GL5	GL3	GL5	GL3	GL5
Standard	23	2,965	2,905	3,365	3,298	3,428	3,359	3,490	3,420		
FPD95	22	2,825	2,768	3,206	3,142	3,266	3,200	3,325	3,258		
FPD90	21	2,684	2,630	3,047	2,985	3,103	3,041	3,160	3,096		

FPDxx Setting		Wattage		P20 27K		P20 30K		P20 40K		P20 50K	
		GL3	GL5	GL3	GL5	GL3	GL5	GL3	GL5	GL3	GL5
Standard	37	4,699	4,604	5,333	5,226	5,432	5,323	5,531	5,420		
FPD95	35	4,478	4,388	5,083	4,981	5,178	5,073	5,272	5,165		
FPD90	34	4,257	4,171	4,832	4,735	4,922	4,822	5,011	4,910		
FPD85	32	4,035	3,953	4,580	4,487	4,664	4,570	4,749	4,653		
FPD80	30	3,811	3,734	4,326	4,238	4,406	4,317	4,486	4,396		
FPD75	28	3,586	3,514	4,071	3,988	4,146	4,062	4,221	4,136		
FPD70	26	3,360	3,293	3,814	3,737	3,885	3,807	3,956	3,876		

FPDxx Setting		Wattage		P30 27K		P30 30K		P30 40K		P30 50K	
		GL3	GL5	GL3	GL5	GL3	GL5	GL3	GL5	GL3	GL5
Standard	57	7,594	7,441	8,620	8,446	8,780	8,603	8,939	8,759		
FPD95	54	7,247	7,101	8,226	8,060	8,378	8,209	8,531	8,359		
FPD90	51	6,897	6,758	7,829	7,671	7,974	7,813	8,119	7,955		
FPD85	48	6,544	6,412	7,428	7,278	7,565	7,413	7,703	7,548		
FPD80	45	6,045	5,923	6,861	6,723	6,989	6,848	7,116	6,972		
FPD75	43	5,632	5,518	6,393	6,264	6,511	6,380	6,629	6,496		
FPD70	40	5,256	5,150	5,966	5,846	6,077	5,954	6,187	6,063		

FPDxx Setting		Wattage		P40 27K		P40 30K		P40 40K		P40 50K	
		GL3	GL5	GL3	GL5	GL3	GL5	GL3	GL5	GL3	GL5
Standard	78	10,123	9,919	11,491	11,259	11,704	11,468	11,917	11,676		
FPD95	73	9,679	9,484	10,987	10,765	11,191	10,965	11,394	11,164		
FPD90	69	9,229	9,043	10,476	10,265	10,670	10,455	10,864	10,645		
FPD85	65	8,772	8,595	9,957	9,756	10,141	9,937	10,326	10,118		
FPD80	61	8,308	8,141	9,431	9,241	9,606	9,412	9,780	9,583		

FPDxx Setting		Wattage		P50 27K		P50 30K		P50 40K		P50 50K	
		GL3	GL5	GL3	GL5	GL3	GL5	GL3	GL5	GL3	GL5
Standard	95	12,067	11,824	13,697	13,421	13,951	13,670	14,205	13,919		
FPD95	90	11,562	11,328	13,123	12,859	13,366	13,097	13,610	13,335		
FPD90	85	11,045	10,822	12,537	12,284	12,769	12,512	13,002	12,739		
FPD85	80	10,518	10,305	11,938	11,698	12,160	11,914	12,381	12,131		

GPDRETRO3

Granville Premier LED3 Utility Retrofit Kit

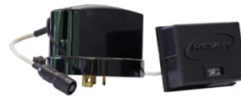
OPTIONAL COMPONENTS



AO
Manual field adjustable output dimming device



RSBOR6
Motion and photosensor (Black) communicates wirelessly to other nLight AIR devices



DE
Remote Asset Management Control Decorative Node (specify with P3 receptacle)



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



NLTAIR2
Fixture embedded nLight AIR network interface provides individual fixture control and digital dimming capabilities