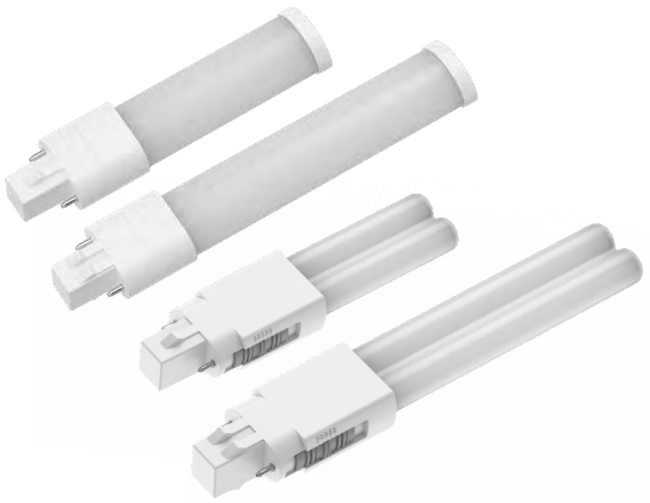
PLS CCT-Adjustable Type A+B



7W/9W/13W CFL Replacement, 2-Pin G23/GX23, Hybrid A/B

FIELD ADJUSTABLE | 80 CRI | 50,000 HOURS | DAMP RATED | ENCLOSED FIXTURE RATING | 120-277V | TYPE A+B

PROJECT:

DATE:

TYPE:

PREPARED BY:

5 YEAR NO-COMPROMISE WARRANTY | TITLE 24 PART 6 JA8 HIGH EFFICACY LED LIGHT SOURCE REQUIREMENTS | CLASSIFIED UL | RECOGNIZED | FC COMPLIANT | RoHS

KEY FEATURES

- Field-selectable color temperature by dip switch — 2700/3000/3500/4000/5000K on omnidirectional models, 2700/3000/3500/4000K on horizontal models
- Replaces 7W to 13W CFL lamps with G23 and GX23 2-pin bases
- Hybrid installation — works with an existing magnetic ballast or wired directly to line voltageor wired directly to line voltage
- Rated for use in enclosed fixtures in dry or damp locations
- Frosted diffuser eliminates glare and pixelation
- 5-Year, No-Compromise Warranty

PERFORMANCE

Catalog Number	Wattage Equivalency	Input Wattage	Lumens	Efficacy	Beam Angle	Color Temperature	Lifespan	Installation
PLS-3-O-8FA-HYB-G23	7W/9W CFL	3W	400/420/430/450/450	133/140/143/150/150	360°	Field adjustable via dip switch 2700/3000/3500/4000/5000K	50,000 hrs	Universal
PLS-5-O-8FA-HYB-GX23	13W CFL	5.5W	700/720/730/750/750	127/131/133/136/136				
PLS-3.5-H-8FA-HYB-G23	7W/9W CFL	3.5W	380/400/420/420	115/121/127/127	120°	Field adjustable via dip switch 2700/3000/3500/4000K		Horizontal
PLS-5.2-H-8FA-HYB-GX23	13W CFL	5.5W	620/650/680/680	119/125/131/131				

PLS CCT-Adjustable Type A+B

PERFORMANCE (CONT)

Catalog Number	Lamp Wattage	CCT	Efficacy	Lumens	Equivalency Wattage
PLS-3-O-8FA-HYB-G23	3W	2700	133 lm/W	400 lm	7-9W CFL
		3000	140 lm/W	420 lm	
		3500	143 lm/W	430 lm	
		4000	150 lm/W	450 lm	
		5000	150 lm/W	450 lm	
PLS-5-O-8FA-HYB-GX23	5.5W	2700	127 lm/W	700 lm	13W CFL
		3000	131 lm/W	720 lm	
		3500	133 lm/W	730 lm	
		4000	136 lm/W	750 lm	
		5000	136 lm/W	750 lm	
PLS-3.5-H-8FA-HYB-G23	3.5W	2700	115 lm/W	380 lm	7-9W CFL
		3000	121 lm/W	400 lm	
		3500	127 lm/W	420 lm	
		4000	127 lm/W	420 lm	
PLS-5.2-H-8FA-HYB-GX23	5.5W	2700	119 lm/W	620 lm	13W CFL
		3000	125 lm/W	650 lm	
		3500	131 lm/W	680 lm	
		4000	131 lm/W	680 lm	

PLS CCT-Adjustable Type A+B

TECHNICAL SPECIFICATIONS

CONSTRUCTION

Product Type
PLS CCT Adjustable, Type A+B

Shape
PLS

Endcap Material
Copper

Lamp Enclosure Material
Polycarbonate

Finish
White

Lens Finish
Frosted

INSTALLATION

Installation Method
Type A Installation: Install with compatible magnetic ballast
Type B Installation: Bypass ballast and wire socket directly to line voltage

Installation Orientation
PLS-X-H Horizontal, PLS-X-O Omni-directional

Base Type
G23 2-Pin or GX23 2-Pin

Compatible Sockets
G23, GX23

ELECTRICAL

Operating Frequency
50/60 Hz

Driver
Constant Current; 120-277V; 50/60 Hz

Catalog Number	Input Current (mA)			
	120V	208V	240V	277V
PLS-3-O-8FA-HYB-G23	30	14	13	11
PLS-5-O-8FA-HYB-GX23	50	26	23	20
PLS-3.5-H-8FA-HYB-G23	30	19	16	14
PLS-5.2-H-8FA-HYB-GX23	50	29	25	22

Operating Temperature
-4°F to 113°F *(-20°C to 45°C)*

THD
<20%

Power Factor
0.9

Flicker
50%

LED CHARACTERISTICS

Beam Angle
360º (*Omni*); 120º (*Horizontal*)

Color Temperature
Default: 4000K
Field adjustable via dip switch 2700/3000/3500/4000/5000K*
**Horizontal models do not include 5000K option*

Color Accuracy (CRI)
>80

R9 Value
High color performance with R9 greater than 0

Color Consistency
<7-step (*3000/3500/4000K*); <5-step (*2700/5000K*) MacAdam ellipse binning' on omnidirectional models

Color Stability
LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period.

Color Uniformity
RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

COMPLIANCE

Listings
UL Classified, UL Recognized

Environment
Suitable for use indoors in dry and damp environments.

Fixture Rating
Suitable for use in enclosed fixtures

California Energy Commission (CEC) Status
Lawful for Sale in California

NSF Listed
Meets NSF/ANSI standards for use in Food Zone (*non-contact*), Splash, and Non-Food Zones. Tube guard required in open fixtures.

RoHS
Mercury and UV free. RoHS-compliant components.

FCC
Complies with Part 15 of the FCC Rules

OTHER

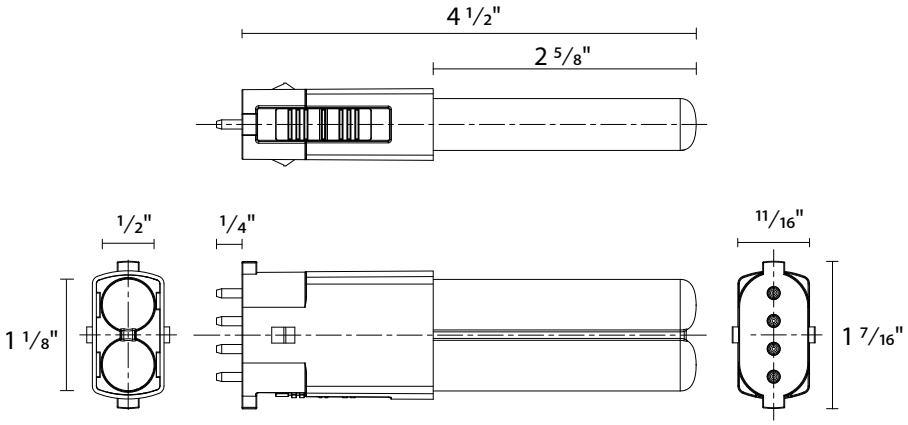
Warranty
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

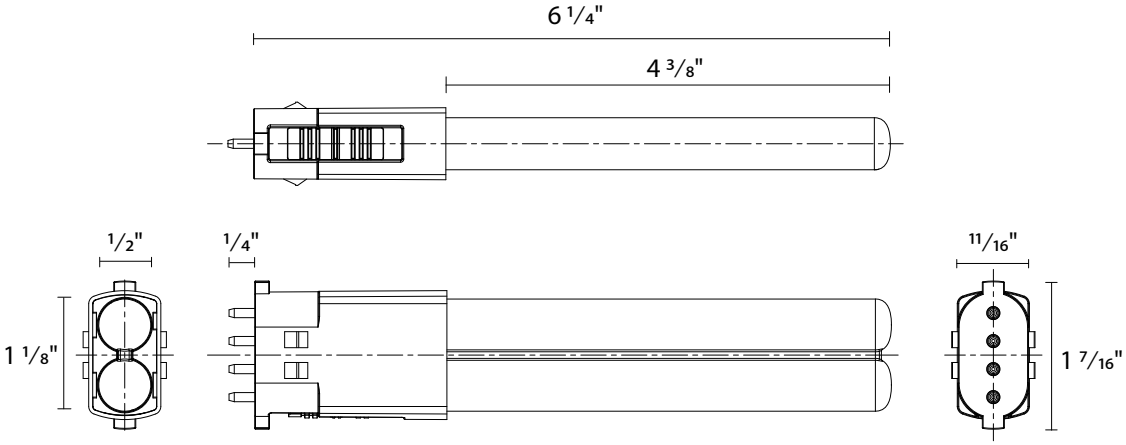
PLS CCT-Adjustable Type A+B

DIMENSIONS

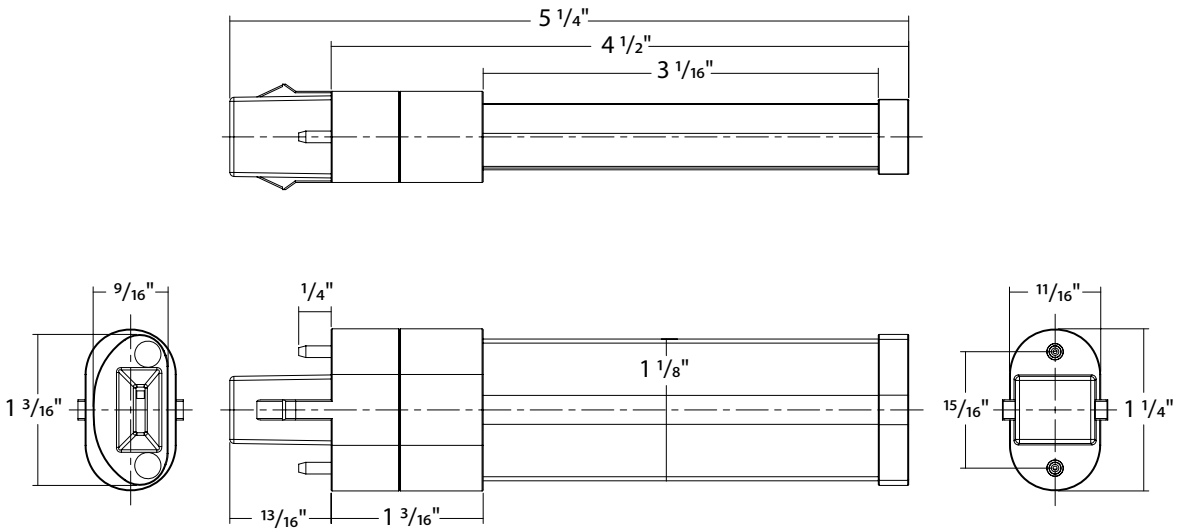
PLS-3-O-8FA-HYB-G23
Weight: 0.07 lbs



PLS-5-O-8FA-HYB-GX23
0.08 lbs



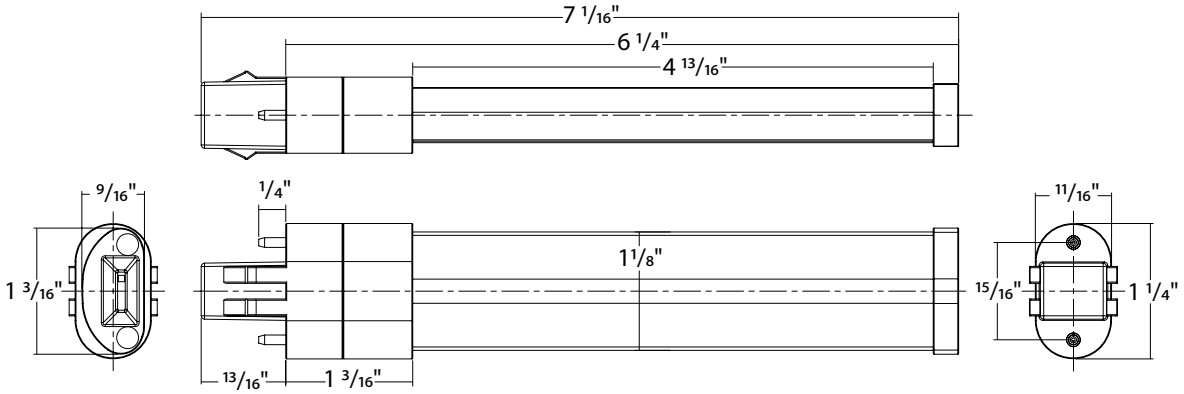
PLS-3.5-H-8FA-HYB-G23
Weight: 0.07 lbs



PLS CCT-Adjustable Type A+B

DIMENSIONS

PLS-5.2-H-8FA-HYB-GX23
0.08 lbs



ORDERING INFO

Catalog Number	UPC	Case Pack
PLS-3-O-8FA-HYB-G23	192552062343	12
PLS-5-O-8FA-HYB-GX23	192552062350	12
PLS-3.5-H-8FA-HYB-G23	192552017862	12
PLS-5.2-H-8FA-HYB-GX23	192552017879	12

ORDERING MATRIX

Family	Wattage	Orientation	CRI/Color Temp	Installation Type	Base
PLS	-	-	- 8FA -	-	-

3	3W	**O**	Omnidirectional*	**8FA**	80CRI, CCT-Adjustable	**HYB**	Type B, Ballast Bypass or Type A, Ballast Compatible
3.5	3.5W	**H**	Horizontal**				
5	5W						
5.2	5.2W						

		G23	G23
		GX23	GX23

** 3/5W are omnidirectional orientation*
*** 3.5/5.5W are horizontal orientation*

PLS CCT-Adjustable Type A+B

BALLAST COMPATIBILITY LIST

Visit www.rablighting.com for periodic updates to this list or contact us at 888-722-1000 for questions or comments.

Ballasts		Compatibility Status				
		Ballast work on 120/277V				
		Lamp Quantities				Type
Brand	Model	1	2	3	4	
Keystone	CC1322MTP	Only 120V /OK	NA	NA	NA	MAGNETIC
Sola	FCF-13-TP	Only 120V /OK	NA	NA	NA	MAGNETIC
Philips	LC-13-TP	Only 120V/ OK	NA	NA	NA	MAGNETIC
Philips	LO-13-22	Only 120V/ OK	NA	NA	NA	MAGNETIC
Robertson	S1P(3P1083)	Only 120V /OK	NA	NA	NA	MAGNETIC