PLL Lamp - CCT-Adjustable

RAB

PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____

18W/24W/36W/40W CFL Replacement, 4-Pin 2G11, Type B, Horizontal

FIELD ADJUSTABLE	80 CRI	50,000 HOURS	DAMP RATED	RoHS	FCC	ENCLOSED FIXTURE RATING	120-277V

KEY FEATURES

- 4 color temperatures in 1 SKU (2700/3000/3500/4000K)
- Replaces 18w to 40W CFL lamps with 2G11 bases
- Ballast Bypass – Install directly to line voltage
- Compatible with G24d / GX24d & G24q / GX24q installations
- 5-Year, No-Compromise Warranty

PERFORMANCE

Catalog Number	Length	Wattage Equivalency	Input Wattage	Lumens	Efficacy	Dim Type
PLL-8-8FA-BYP	8"	18W CFL	8.5W	1100-1100-1171-1171-1159	127/127/138.4/138.4/132.8	No
PLL-11-8FA-BYP	12"	24W CFL	10W	1422-1422-1499-1499-1494	138.9/138.9/149.2/149.2/144.2	No
PLL-16-8FA-BYP	16"	36W CFL	16W	2166-2166-2240-2240-2216	140.5/140.5/149.3/149.3/143.3	No
PLL-17-8FA-BYP	22"	40W CFL	17W	2584-2484-2729-2729-2684	128.8/128.8/139/139/131.4	Yes, dimmable down to 10% on compatible TRIAC/ELV dimming systems. See Dimmer Compatibility List.

Catalog Number	Color Temperature	L70 Lifespan	Installation Orientation	Base Type	DLC ID
PLL-8-8FA-BYP					None
PLL-11-8FA-BYP	Field adjustable via dip switch 3000K/3500K/4000K/5000K/6500K	50,000 hrs	Horizontal	2G11	None
PLL-16-8FA-BYP					None
PLL-17-8FA-BYP					Coming Soon

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PERFORMANCE (CONT)

Catalog Number	Lamp Wattage	CCT	Efficacy	Lumens	Equivalency Wattage
PLL-8-8FA-BYP	8.4W	3000	119 lm/W	1000 lm	18
		3500	125 lm/W	1050 lm	
		4000	125 lm/W	1050 lm	
		5000	125 lm/W	1050 lm	
		6500	125 lm/W	1050 lm	

Catalog Number	Lamp Wattage	CCT	Efficacy	Lumens	Equivalency Wattage
PLL-11-8FA-BYP	10W	3000	125 lm/W	1250 lm	24
		3500	130 lm/W	1300 lm	
		4000	130 lm/W	1300 lm	
		5000	135 lm/W	1350 lm	
		6500	135 lm/W	1350 lm	

Catalog Number	Lamp Wattage	CCT	Efficacy	Lumens	Equivalency Wattage
PLL-16-8FA-BYP	15W	3000	127 lm/W	1900 lm	36
		3500	130 lm/W	1950 lm	
		4000	133 lm/W	2000 lm	
		5000	133 lm/W	2000 lm	
		6500	133 lm/W	2000 lm	

Catalog Number	Lamp Wattage	CCT	Efficacy	Lumens	Equivalency Wattage
PLL-17-8FA-BYP	16W	3000	131 lm/W	2100 lm	40
		3500	138 lm/W	2200 lm	
		4000	138 lm/W	2200 lm	
		5000	138 lm/W	2200 lm	
		6500	138 lm/W	2200 lm	

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TECHNICAL SPECIFICATIONS

CONSTRUCTION

Product Type
PLL Lamps with CCT Adjustability

Length
8", 12", 16", 22"

Shape
PLL - TT5 Tube

Endcap Material
Copper

Lamp Enclosure Material
Polycarbonate

Finish
White

Lens Finsih
Frosted

COMPLIANCE

Listings
UL Classified, UL Recognized

Environment
Suitable for use indoors in dry and damp environments.

Fixture Rating
Suitable for use in enclosed fixtures

Energy Star Approved
No

DLC Listed
Yes, 17W only

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

ELECTRICAL

Dimmable
17W Only *(see dimmer compatibility list)*

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

Input Voltage
120-277V

Operating Frequency
50/60 Hz

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

THD
<20%

Power Factor
0.9

Flicker
0.5

INSTALLATION

Installation Method
UL Type B, Ballast Bypass

Installation Orientation
Horizontal

Base Type
2G11

Compatible Sockets
2G11

LED CHARACTERISTICS

Beam Angle
140°

Color Temperature
Field adjustable via dip switch 3000/3500/4000/5000/6500K

Color Accuracy (CRI)
>80

R9 Value
High color performance with R9 greater than 0

Color Consistency
<7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

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.

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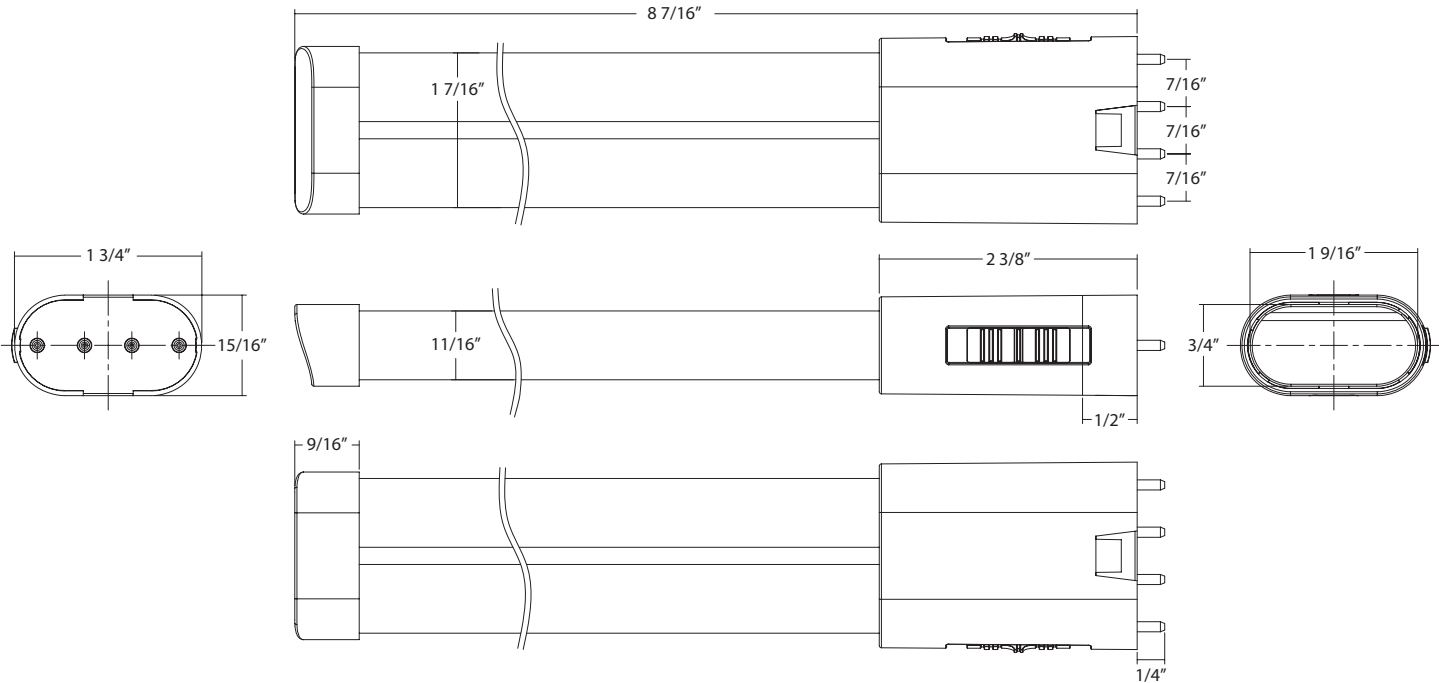
RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

PLL Lamp - CCT-Adjustable

DIMENSIONS

PLL-8-8FA-BYP
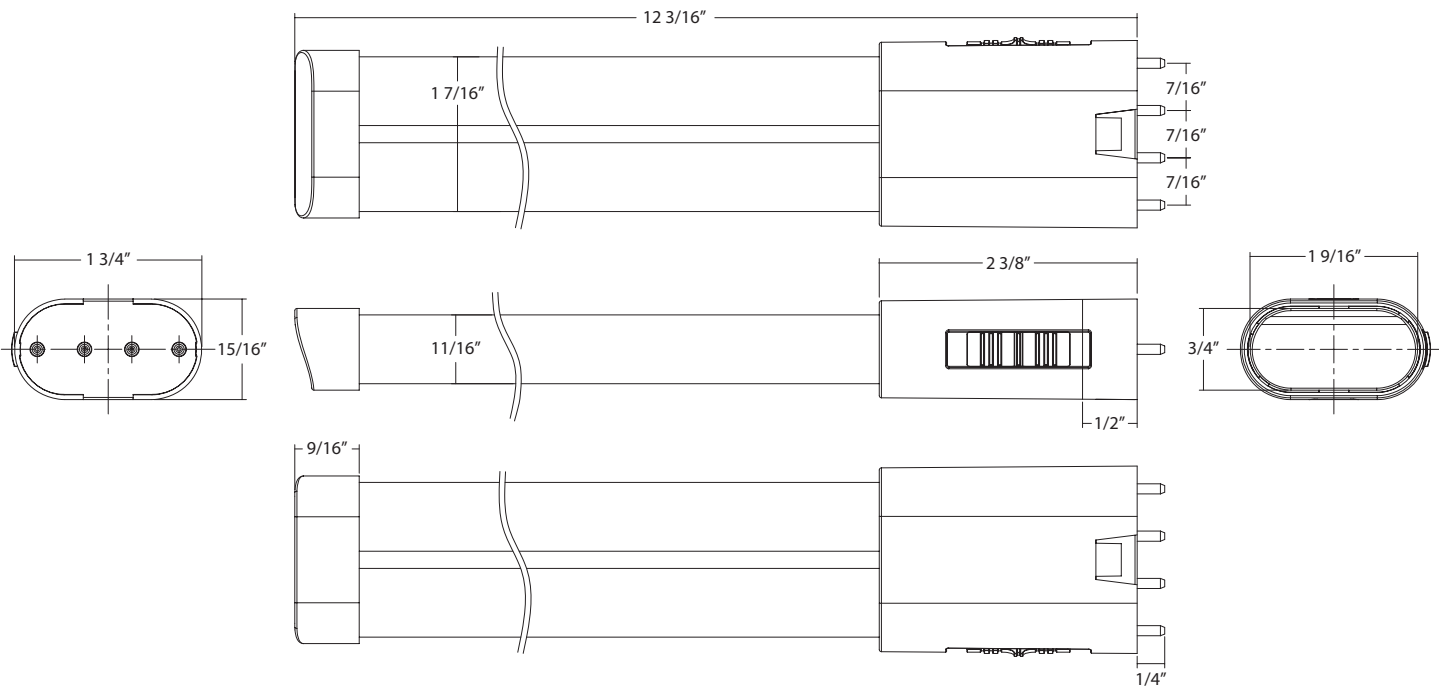Weight: 0.22 lbs

8 7/16″
1 7/16″
7/16″
7/16″
7/16″
1 3/4″
15/16″
2 3/8″
1 9/16″
11/16″
3/4″
1/2″
9/16″
1/4″

PLL-11-8FA-BYP
Weight: 0.26 lbs

12 3/16″
1 7/16″
7/16″
7/16″
7/16″
1 3/4″
15/16″
2 3/8″
1 9/16″
11/16″
3/4″
1/2″
9/16″
1/4″

PLL Lamp - CCT-Adjustable

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PLL-16-8FA-BYP
Weight: 0.30 lbs

15 15/16″
1 7/16″
7/16″
7/16″
7/16″

1 3/4″
15/16″
2 3/8″
11/16″
1/2″
1 9/16″
3/4″

9/16″
1/4″
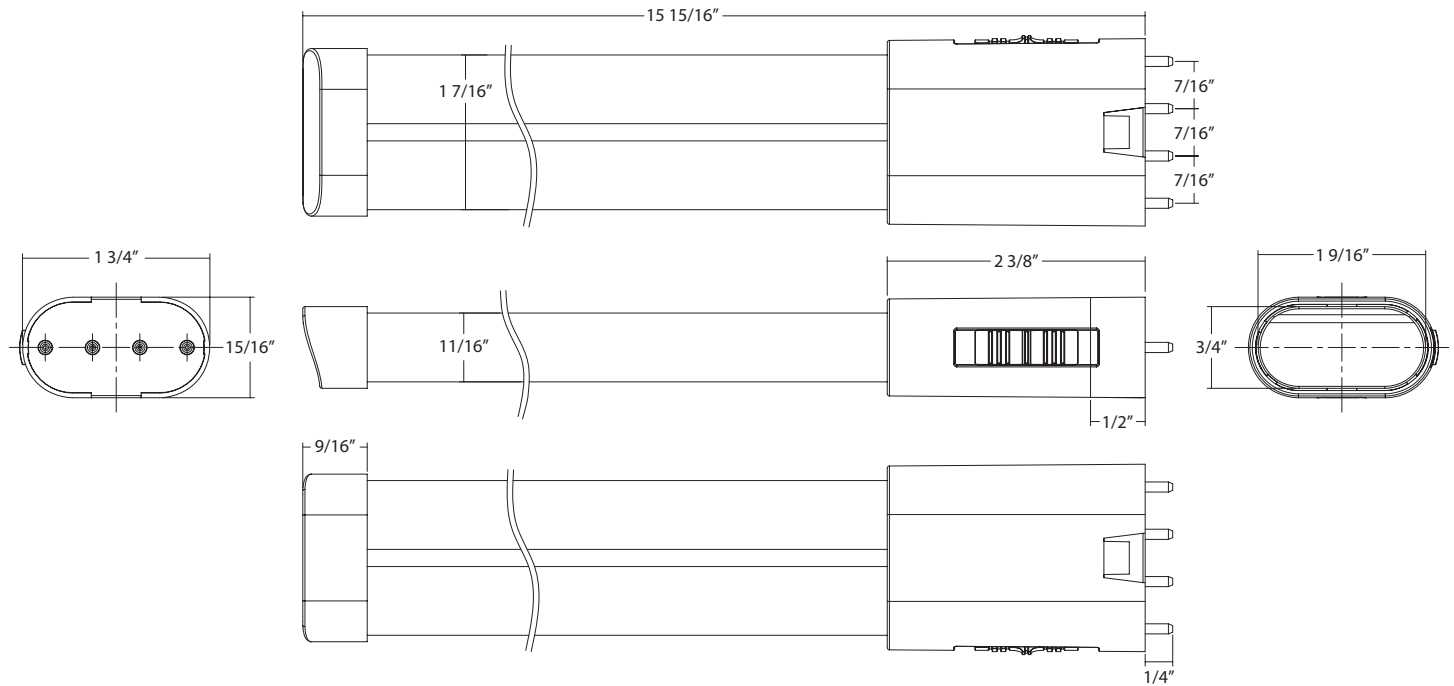
PLL-17-8FA-BYP
Weight: 0.36 lbs

21 7/8″
1 7/16″
7/16″
7/16″
7/16″

1 3/4″
15/16″
2 3/8″
11/16″
1/2″
1 9/16″
3/4″

9/16″
1/4″

PLL Lamp - CCT-Adjustable

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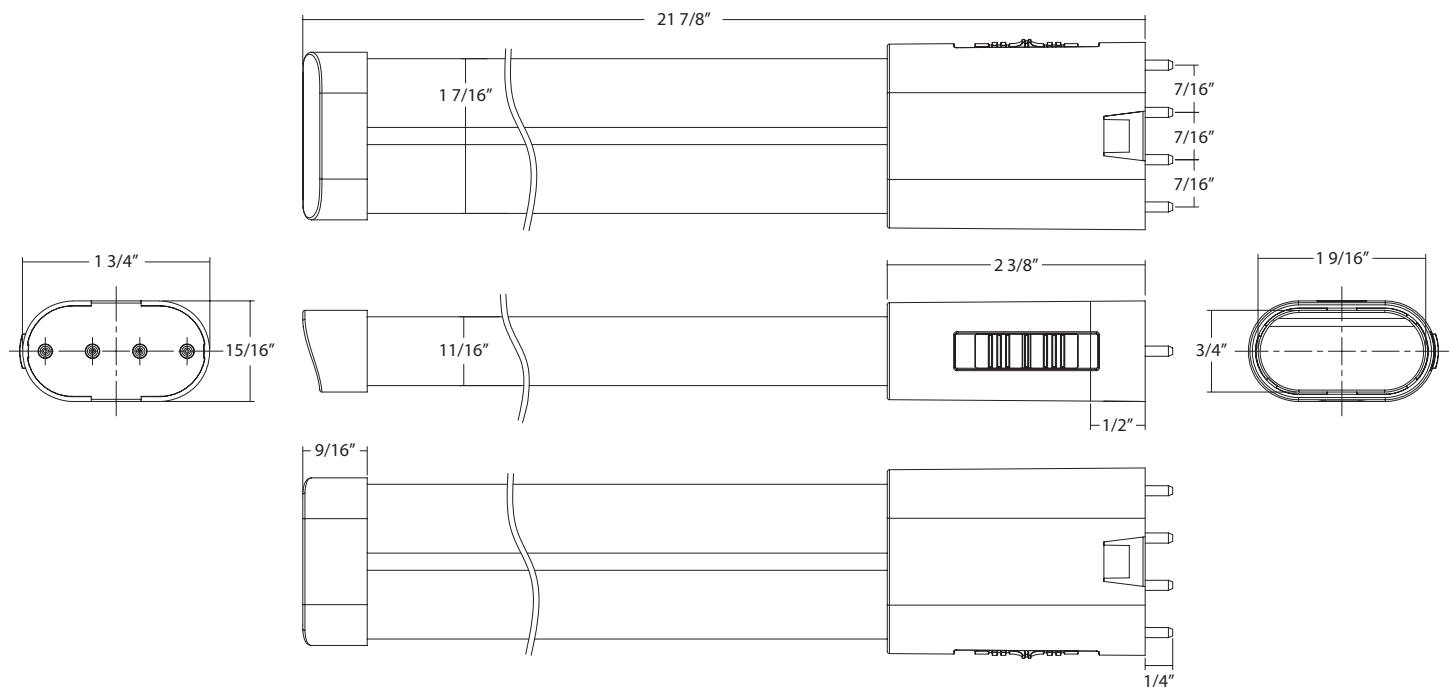
ORDERING INFO

Catalog Number	Model Number	UPC	Case Pack
PLL-8-8FA-BYP	T20106(PLL-8-8FA-BYP)	192552017930	12
PLL-11-8FA-BYP	T20107(PLL-11-8FA-BYP)	192552017947	12
PLL-16-8FA-BYP	T20108(PLL-16-8FA-BYP)	192552017954	12
PLL-17-8FA-BYP	T20109(PLL-17-8FA-BYP)	192552017961	12

ORDERING MATRIX

Family	Wattage	CRI/Color Temp	Installation Type	Base
PLL -		8FA -	BYP -	2G11

	Wattage	CRI/Color Temp	Installation Type	Base
	8 8W	**8FA** 80CRI, 3000/3500/4000/5000/6500K	**BYP** Ballast Bypass	**Blank** 2G11
	11 11W			
	16 16W			
	17 17W			

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DIMMER COMPATIBILITY LIST

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

Dimmers		Lamp Quantities			Dimming Level
Dimmer Brand	Dimmer Model	1	2	3	
RAB	XDIM	✓	✓	✓	10-100%