
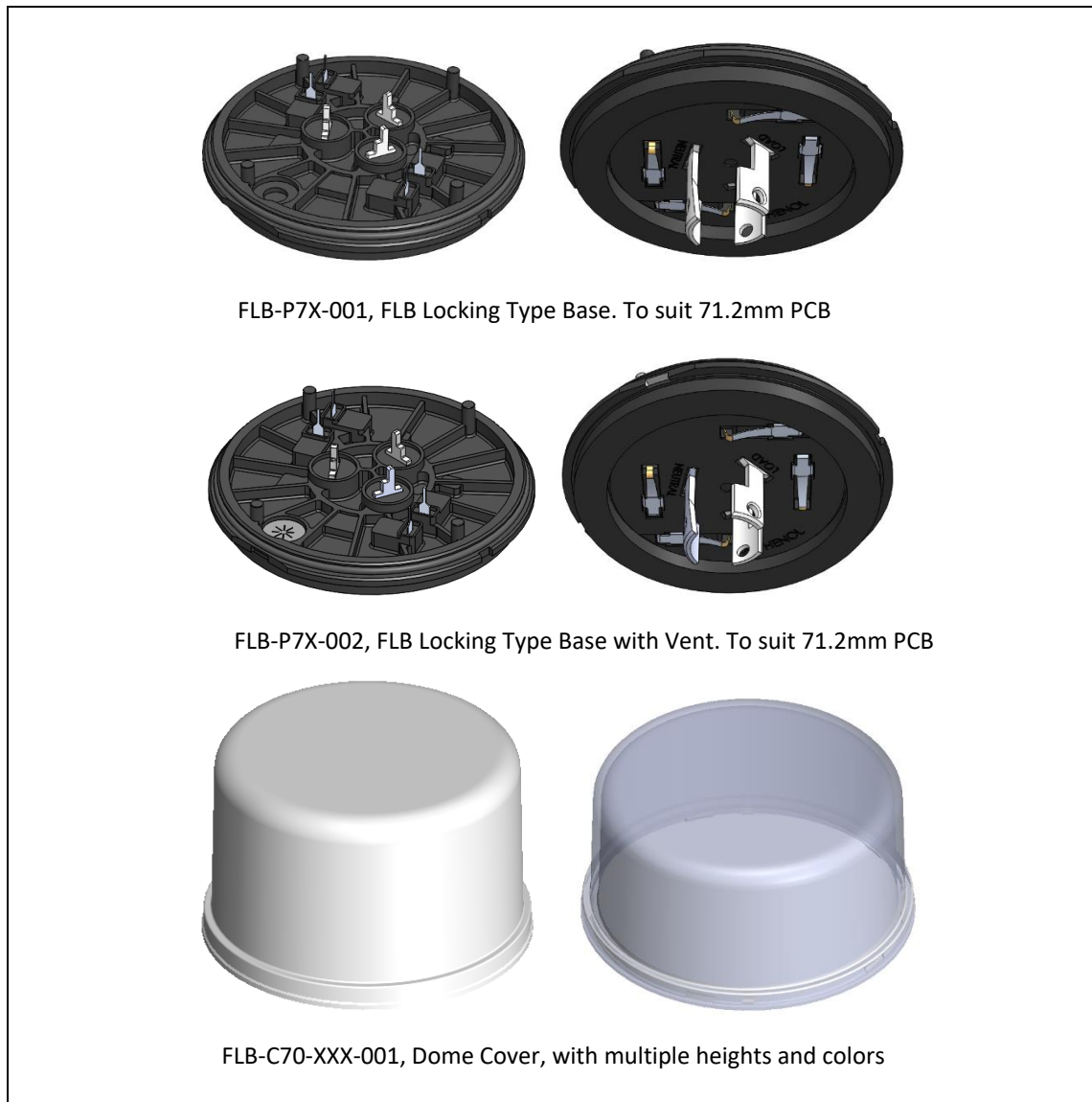


NUMBER S6193C	CATEGORY Application Specification	Amphenol ICC	
TITLE FLB Series NEMA / ANSI C136.41 Bases & Domes for NLC's		ISSUED BY Caroline Zhang	REVISION 1.0
		APPROVED BY Adrian Green	DATE January 12, 2021
		CLASSIFICATION Unrestricted	

1. Overview

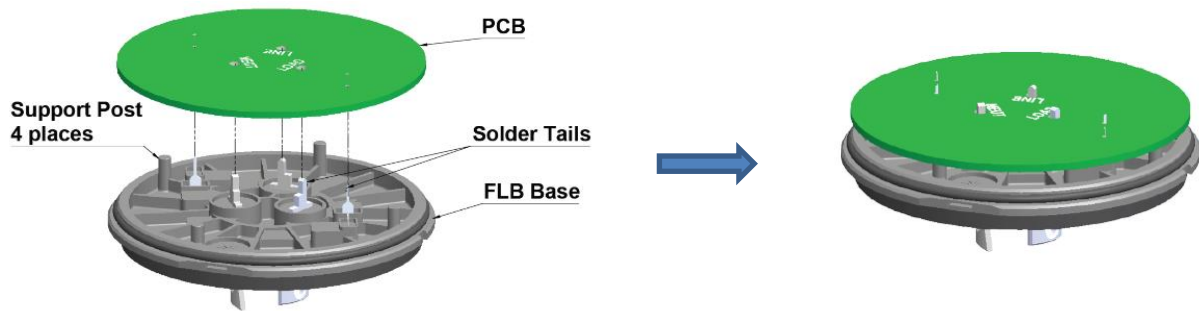
This Application Specification covers the application requirements for FLB series outdoor dimming controls. The interface consists of base assembly and cover. The FLB series base assembly mates with the FLA series receptacle and utilizes twist-lock technology to provide a secure, integrated power and signal interface solution for use in roadway and area lighting applications.



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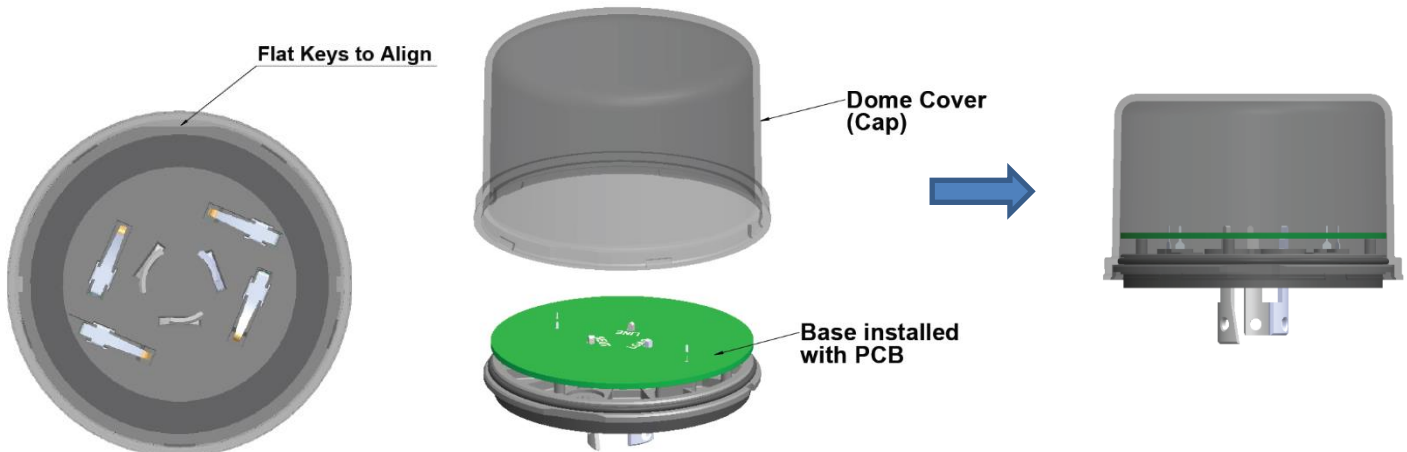
2. Assembly of Customer-Supplied PCB to FLB-P7X Series Bases


- PCB should have through holes that match the base solder tails. See respective drawings in Section 6 for PCB footprint.
- Place PCB over FLB base by positioning PCB onto the solder tails. The PCB board should be resting on the 4 posts on the base.
- Attach the PCB with the base by soldering technique, to standard IPC-A-610 Acceptability of Electronic Assemblies, and IPC J-STD-001 Requirements for Soldered Electrical and Electronic Assemblies.



3. Install Dome Cover to Base-PCB Assembly

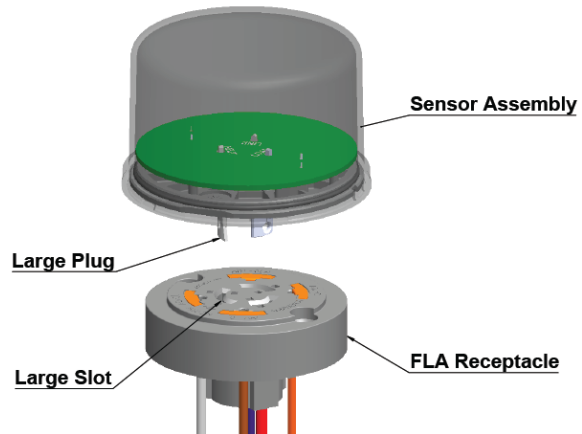
- Align the flat keys on dome cover and the base
- Push and snap fit the cover to the case.
- Ensure the dome cover is fully seated and securely attached to the base



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4. Install Sensor assembly (Base + PCB + Dome Cover) to FLA receptacle

- Align the power contacts on the base with the corresponding openings on the receptacle
- Fully push in the sensor assembly to the receptacle, and rotate clockwise until a positive stop to lock into a fully mated position



5. See specification S6192C - Section 2 for installation of the Receptacle to the Luminaire

6. Drawing Numbers

- P-FLB-P7X-001 FLB Locking Type Base. To suit 71.2mm PCB
- P-FLB-P7X-002 FLB Locking Type Base with Vent. To suit 71.2mm PCB
- P-FLB-C70-XXX-001 Dome Cover. To suit 71.2mm PCB

7. Reference Documents

- S6169C - FLB Series NEMA-ANSI C136.41 Bases & Domes for NLC's - Product Spec
- S6143C - FLA Series NEMA-ANSI C136.41 Dimming Receptacles - Product Spec
- S6192C - FLA Series NEMA-ANSI C136.41 Products – Application Spec