

Compliances:

- * Designed to meet FAA L-810 requirements per AC 70/7460-1, operational range -55°C to +55°C
- * Designed in reference with ICAO Annex 14, Low Intensity Type A photometric requirements
- * ISO 9001:2022 Registered Quality System
- * Photometric testing conducted in accredited Thailand laboratory (reports available)

Description:

BSE OB.Light is a red steady-burning obstruction light used to mark tall structures that present hazards to air navigation. During night operation, these lights provide visual warning to pilots when installed in accordance with FAA AC 70/7460-1 and ICAO Annex 14 Low Intensity Type A guidelines.

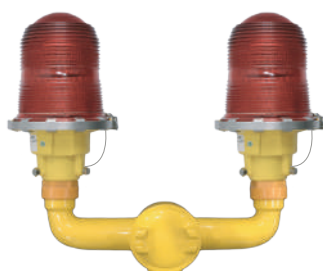
Together with the BSE FAA L-810(F) flashing red obstruction light, operating at 30 flashes per minute (FPM), and BSE controllers, the OB.Light forms part of an integrated obstruction lighting system.

When applied individually, single or double BSE OB.Lights can be mounted directly to conduit risers and may be combined with a BSE controller's universal transfer & alarm relay for lamp backup and remote lamp-failure indication. Typically, one photoelectric controller is sufficient to provide automatic dusk-to-dawn activation in accordance with FAA recommendations.

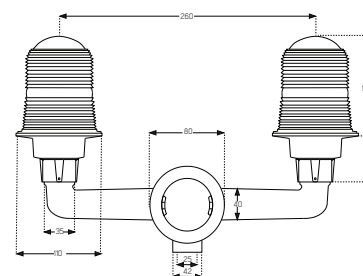
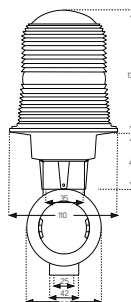
All BSE OB.Lights include lens tethers for safety, with power consumption not exceeding 5-7 Watts per head.



Single Types



Double Types



Dimension

Features:

- Red and Clear lens fresnel glass globes for 360° visibility
- Operates on 120 or 220-240 Volts and 60 or 50Hz frequency power supply when used with proper voltage lamp
- Threaded hub (1 Inch) for mounting
- Pre-wired leads
- Cast aluminum housing with yellow finish
- Globes with tether & clamp band
- Accepts traffic signal lamps with USA medium screw base and European E27 base
- IP 65, 66
- O-Ring globe seal
- Lamp Life 4,000 hours at 120 Volts or 8,000 hours for 220-240V and more than 100,000 hours for LED lamp application.
- Mounting 3/4-inch, Bottom

*** BODY CAT NO. : BS-RF-001, TIS.513-2553 (IP65)



MODEL: BF



B.S.E Type	Power	Specification	Lens Color	Style
BF1220R5E27	220V AC 5Watts	FAA L-810 & ICAO Types A	RED Clear	Single Types
BF2220R5E27				Double Types

5w

Lifespan of the red LED light bulb is 4,000 hours at 120 Volts or 8,000 hours at 220-240 Volts. For LED lamp usage, the lifespan exceeds 100,000 hours. Accepts traffic signal lamps with USA medium screw base and European **E27 base**.



B.S.E Type	Power	Specification	Lens Color	Style
BF1220F7	220V AC 7Watts	FAA L-810 & ICAO Types A	RED	Single Types
BF2220F7				Double Types

7w

Lifespan of the warm white LED light bulb is 4,000 hours at 120 Volts or 20,000 hours at 220-240 Volts. Accepts traffic signal lamps with USA medium screw base and European **E27 base**.

OB.LIGHT CONTROL

"B.S.E Electronic Co., Ltd. specializes in the manufacturing of aviation obstruction light controllers. Our controllers are available in a variety of models, each designed to accommodate different levels of obstruction light installations. We offer options for input voltages of either 220V AC or 48V DC, ensuring compatibility with diverse power systems. Our company is dedicated to providing reliable solutions tailored to meet the specific requirements of our customers."

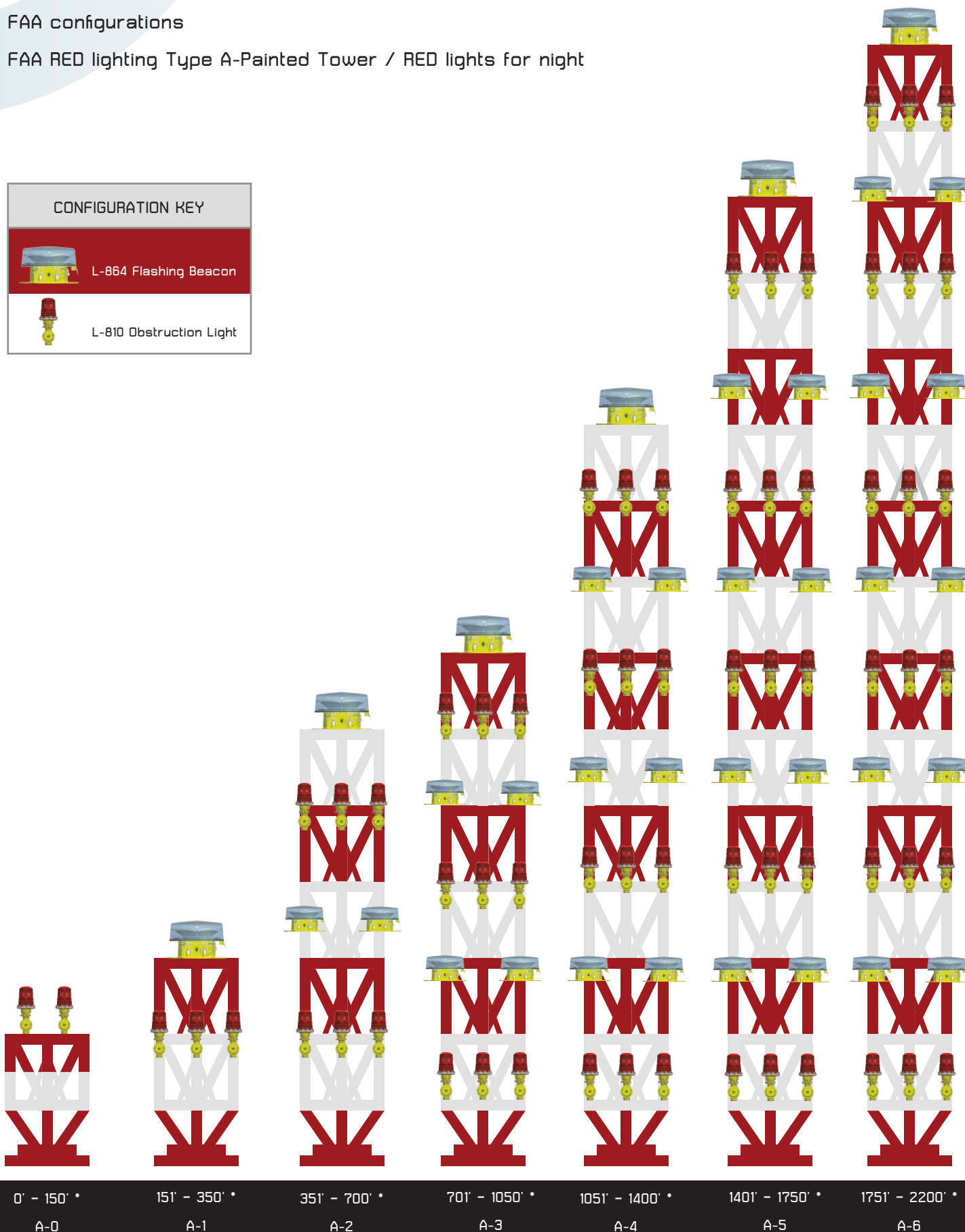


Example picture of control cabinet

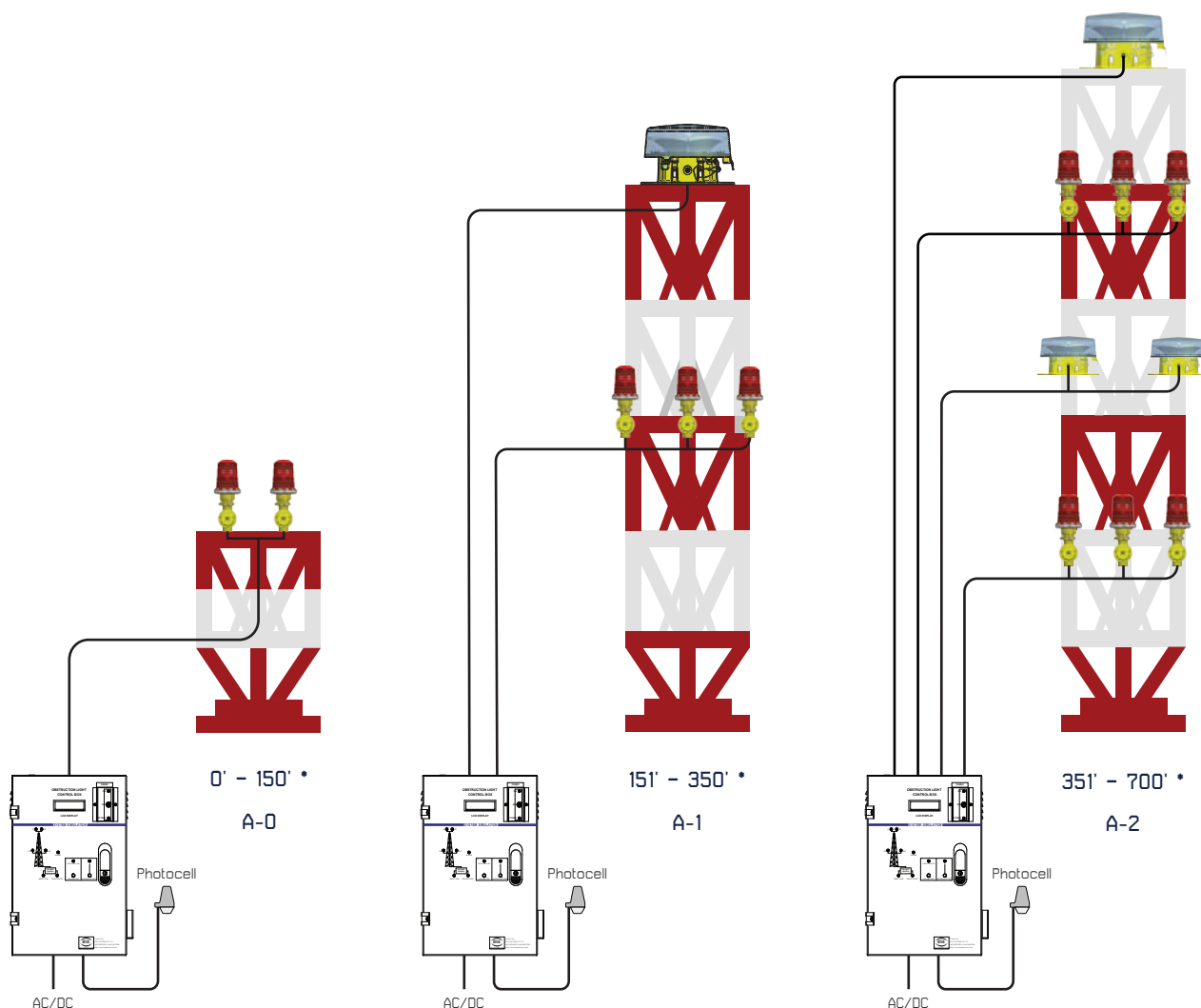


FAA configurations

FAA RED lighting Type A-Painted Tower / RED lights for night



Installation Guidelines for Obstruction Signal Lights by B.S.E Electronic Co., Ltd.



OBSTRUCTION LIGHT CONTROL



BSCB

Control cabinet for lights with 3 outputs

Operation modes:

Flashing / Steady / Single Light On with
One Light Backup



TS1

Control cabinet for lights with 3 outputs

Input 48v DC

Operation modes: Flashing / Steady



TS3

Control cabinet for lights with 1-16 outputs
(depending on the height of the building
installation)

Operation modes: Flashing / Steady / Single
Light On with One Light Backup