

### 3 – LIGHTING SYSTEM

- **INTERIOR LIGHTING**

- The interior lighting system consists of:
  - Cockpit Lights;
  - Cabin Lights, &
  - Baggage Compartment Lights.

**Cockpit Lighting (COCKPIT LIGHTS Control Panel (Aft end Overhead Console):**

- Back up (Standby Instruments / DC Ess.);
- Instrument panel (MFD bezel, AFCS, Clock / #2 DC Prim.);
- Console Side (#1 DC Prim.);
- Console Overhead (#2 DC Prim.);
- Console Lower (#2 DC Prim.);
- P/B Dimmer (Batt & #2 DC Prim.), &
- Flood light (Batt.)
- Utility Lights (red/white) with coiled cords (Left & Right overhead) (Batt.)

**Notes:**

- **P/B Dimmer rheostat:**
  1. Fire Ext Test;
  2. Flotation Panel;
  3. Life Raft Panel;
  4. **Master Warning / Caution Panels;**
  5. Fire Detection Panel;
  6. Back up ATT switches;
  7. #1 & #2 MSP;
  8. AFCS Control Panel;
  9. Landing Gear;
  10. ELB Panel;
  11. Customized items (i.e. WX radar, etc...)
- **P/B LAMP TEST switch**
  1. Fire Detector Test status lights;
  2. Flotation armed / test lights;
  3. Life rafts armed / test lights;
  4. Master Warning/Caution panels lights;
  5. Fire bottle arming pushbuttons;
  6. B/U ATT. Indicator test lights;
  7. MSP's lights;
  8. AFCS pushbuttons lights;
  9. L/G position lights;
  10. Associated ELB panel lights, &
  11. Other Customized items (i.e. Wx radar, etc.)

**Cabin Lighting (INT LIGHT Control Panel, Overhead Right):**

- **Overhead Lights (4), OVHD** switch with **OFF**, **BRT** or **DIM** position (#1 & #2 DC Prim.)
- **Passenger Advisory Lights, SEAT BELT & NO SMOKE** (#1 DC Prim.)
- **Passenger Reading Lights, PASS READ** (#1 DC Prim.)

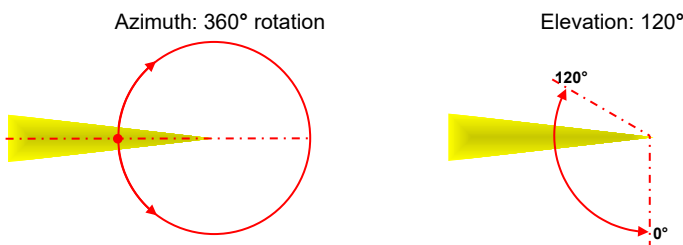
**Baggage Compartment Lights (INT LIGHT Control Panel, Overhead Right):**

- **BAG COMPT** switch with **OFF**, **ON** or **CREW** position (Batt.) (2<sup>nd</sup> switch on the Crew Ramp Control Panel)

- **EXTERIOR LIGHTING**

- The exterior lighting system consists of: (**EXT LIGHTS Control panel, Overhead Left**):
  - **Anti-Collision Lights (2)**, (rotating beacon or strobe) **UPPER & LOWER** (DC Ess.); (40-100 flashes/min.)

- *Position Lights* **POSN**, (DC Ess);
- *Landing Lights* **LANDING** (450 watt), **#1**(#1 DC Prim.) & **#2** (DC Ess.);
- *Cargo Loading Light* **CARGO LOAD**, illuminate the area under the tail cone, aft of the cargo ramp. (2<sup>nd</sup> switch on the *Crew Ramp Control Panel* (Batt.);
- *Rotor Head Inspection Light* (droop stops) (#2 DC Prim.);
- *Controllable Searchlight* (450 watt), 3 position switch located on the both collective stick grip. **ON**, **OFF** or **STOW** position. (#2 DC Prim.)  
The maximum elevation angle is **120°** (full forward) from the stowed position. The *search light* is located under the right side of the nose section.



## • **EMERGENCY LIGHTING**

- The emergency lighting system consists of 12 power supplies (PS) (standard aircraft version)

### **Interior Emergency Lights** (EMERG LTS Control Panel, Overhead Right)

- **OFF, ARM, ON** position.
  - **HEELS** Helicopter Emergency Egress Lighting System (4PS), (#2 DC Prim.);
  - **CABIN** Cabin Emergency Lights (1PS), (DC Ess.);
  - **FLOOR** Floor Emergency Lights (2PS), (#1 DC Prim.);
  - **EXIT** Exit Emergency Lights (3PS), (#1 DC Prim.);

**Note:** Cougar aircraft version: **HEELS & CABIN** switches only

- **OFF, ARM, ON** position
  - **HEELS** Helicopter Emergency Egress Lighting System (HEELS) (4PS), (#2 DC Prim.). Capable of operating under water for 10 min.
  - **CABIN** Cabin Emergency Lights (1PS), (DC Ess.).

**Note:** 2<sup>nd</sup> control switch for **CABIN & HEELS** (**ON & OFF** position) located *R/H avionics rack* (HUMS card) (*Cabin Emergency Lights Control Panel*). At any time, placing either switch to the **ON** position will activate the lights

### **Exterior Emergency Lights** (EXT LIGHTS Control panel, Overhead Left)

- **OFF, ARM, ON** position
  - 6 exterior lights (4 @ the main cabin emergency exits, & 2 cargo ramp area) (2PS) (DC Ess.)

**Note:** 2<sup>nd</sup> control switch **EXTERIOR** (**ON & OFF** position) located *R/H avionics rack* (HUMS card) (*Cabin Emergency Lights Control Panel*). At any time, placing either switch to the **ON** position will activate the lights

**Note:** When "*Battery power*" only, the following lights are available:

- Cockpit Flood light;
- 2 Cockpit Utility lights
- P/B lamp Test switch;
- P/B Dimmer rheostat;
- Baggage compartment light;
- Cargo Load light

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