02-33 ATA 33 – LIGHTS

02-33-00 TABLE OF CONTENTS

02-33-05 GENERAL
    Introduction
    Sources

02-33-10 DESCRIPTION
    General
    Cockpit lights
    Cabin lights
    Servicing
    Exterior lights
    Emergency lights

02-33-15 CONTROL AND INDICATION
    Control

02-33-20 SYSTEM PROTECTION
INTRODUCTION

The Falcon 900EX EASy lighting system consists of:
- the interior lighting system, comprising,
  - the flight deck,
  - the passenger cabin,
  - the baggage and servicing compartments,
- the exterior lighting system including,
  - the navigation lights,
  - the anti-collision lights,
  - the landing and taxi lights,
  - the wing ice detection lights,
  - the fin logo lights
- an emergency lighting system including:
  - the interior emergency lighting system,
  - the exterior emergency lighting system.
### SOURCES

<table>
<thead>
<tr>
<th>COCKPIT LIGHTS</th>
<th>POWERED BY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dome lights</td>
<td>Battery</td>
</tr>
<tr>
<td>Reading lights</td>
<td>Pilot : A1 / Copilot : B1</td>
</tr>
<tr>
<td>Pedestal equipment</td>
<td>B2</td>
</tr>
<tr>
<td>Overhead panel</td>
<td>B1</td>
</tr>
<tr>
<td>Annunciator and indicator lighting</td>
<td>A1 and B1</td>
</tr>
<tr>
<td>(HORN SILENT, EVENT, FMS MSG, master cautions and warnings, VHF1 EMERG)</td>
<td>A1</td>
</tr>
<tr>
<td>Circuit breaker panel lighting</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CABIN LIGHTS</th>
<th>POWERED BY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entrance lights</td>
<td>A2</td>
</tr>
<tr>
<td>Lavatory lights</td>
<td>B1</td>
</tr>
<tr>
<td>Passenger indirect lights</td>
<td>Forward : B1 / Aft : B2</td>
</tr>
<tr>
<td>Passenger reading and table lights</td>
<td>LH : B2 / RH : B1</td>
</tr>
<tr>
<td>Passenger ordinance signs</td>
<td>A2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SERVICING LIGHTS</th>
<th>POWERED BY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nose cone light</td>
<td>Battery</td>
</tr>
<tr>
<td>Baggage compartment lighting</td>
<td>Battery</td>
</tr>
<tr>
<td>Baggage compartment surrounding area lighting</td>
<td>Battery</td>
</tr>
<tr>
<td>Mechanic servicing compartment lighting</td>
<td>Battery</td>
</tr>
<tr>
<td>Refueling area lighting</td>
<td>Battery</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EXTERIOR LIGHTING</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Navigation lights</td>
<td>A1</td>
</tr>
<tr>
<td>Logo lights</td>
<td>A1</td>
</tr>
<tr>
<td>Anti-collision lights</td>
<td>Wings : A1 / Belly : B2</td>
</tr>
<tr>
<td>Strobe lights</td>
<td>A1</td>
</tr>
<tr>
<td>Taxi lights</td>
<td>B1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EMERGENCY LIGHTING</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency light batteries</td>
<td>B2</td>
</tr>
</tbody>
</table>
GENERAL

Flight deck lighting includes general illumination, specific lighting for instruments, and map lighting.
Cabin area lighting provides illumination for warning signs and area illumination for passenger safety and convenience.
Individual lights are provided for the rear compartment, baggage area, and nose cone.
Exterior lighting includes navigation, landing, taxi, anti-collision, wing tip strobes and wing ice detection lights.
All interior and exterior lights can be manually controlled through the overhead panel pushbuttons and toggle switches except for the baggage and rear compartment lighting that are controlled by micro-switches located on each door.

COCKPIT LIGHTS

Flight deck lighting consist of dome, reading, glare shield, circuit breakers panel, overhead panel, instrument and indicator lights. The lighting control panel is located in the copilot overhead area.

DOME LIGHTS

Two dome lights located on each side of the overhead panel are provided for general illumination of the flight deck area. The dome lights are controlled by a DOME rotary knob located in the INTERIOR LIGHTS zone of the overhead panel. This rheostat allows setting of the dome light from DIM to BRIGHT.
Each ceiling light contains three bulbs, one for normal operation (28 V_Dc) and two for emergency operation (5 V_Dc). The dome lights are supplied by the main batteries power.

READING LIGHTS

The two swivel-reading lights are located in the flight deck headliner above both the pilots. The associated rheostat rotary switches are also located in the headliner.

LCD DISPLAY BRIGHTNESS (PDU / MDU)

Brightness adjustment of four 14.1 inch LCD displays is controlled by the reversion panel located in the flight deck center pedestal. Each LCD display is controlled through its associated DIM / OFF – AUTO – REV inner rotary knob control (rheostat).

PEDESTAL, UPPER STRIP PANEL, SECONDARY FLIGHT DISPLAY AND SIDE LEDGE EQUIPMENT

The PANEL rotary knob, located in the flight deck lighting control panel, sets the level of lighting for all the equipment located in the flight deck and center pedestal. A variable 0 to 5 V_Dc power supply controls the equipment lighting.
The two checklist controllers, located at the end of the center pedestal, are permanently illuminated with a 5 V_Dc power source. The lighting is not adjustable and continuously lighted at a day level.
OVERHEAD PANEL

The overhead panel is divided into two distinct areas for the setting of the lighting:
- the pushbuttons with status indications, controlled by the DIM / BRIGHT switch of the lighting panel,
- the functionnal diagrams, systems boundary lines, marking on lighting panel and borders, controlled by the OVERHEAD rotary knob located on the lighting panel.

INSTRUMENT PANEL LIGHTING

The instrument lighting is provided by four strip electro-luminescent lights (LED), powered by 28 V DC.
The SHIELD rotary knob, located on the lighting control panel, controls the brightness adjustment of the instrument panel lighting.
The Emergency Locator Transmitter (ELT) panel, placards and manual pressurization rotary knob are lighted by the shield lighting.

ANNUNCIATOR AND INDICATOR LIGHTING

Annunciator and indicator comprises the following switches : SIL, EVENT, FMS MSG, MASTER CAUTION, MASTER WARNING and VHF1 EMERG (VHF1 emergency frequency guarded switch).
The SIL and EVENT switches are permanently illuminated in white on a dark background. A thin illuminated white border surrounds the text.
The guarded emergency VHF 1 switch carries the 121.5 MHz label, written in white on the switch (dark background) and VHF1 EMERG placard, applied below. The switch is illuminated amber when activated.
The DIM / BRIGHT switch located in the lighting control panel controls the level of lighting of these switches. In BRIGHT (daylight operation), the lighting intensity is not reduced. In DIM (night lighting), lighting intensity is reduced.

CIRCUIT BREAKER PANEL LIGHTING

The circuit-breaker panel is illuminated with two spotlights located on the bulkhead behind the pilot and the copilot. They are controlled with the CB PANEL pushbutton located on the right circuit breaker panel.

FIGURE 02-33-10-00 CIRCUIT BREAKER PANEL LIGHTING SWITCH
CABIN LIGHTS

The passenger cabin is equipped with lighting for the entrance, stairs, lavatory, galley area and cabin. Illuminated ordnance signs are also provided throughout the cabin area.

The entrance lighting control panel located on the left hand side of bulkhead of the main entrance door includes:

- the ENTRY LIGHTS pushbutton which controls the passenger cabin main entrance lighting system,
- the STAIR LIGHTS pushbutton which controls the passenger door stair lighting system,
- the AISLE LIGHTS pushbutton which controls the passenger cabin aisle lighting system,
- the PYLON LIGHTS pushbutton which controls the exterior lighting systems of the baggage compartment door and the refueling area,
- a BATT IN USE amber pushbutton which, when illuminated, indicates that a system is supplied by the battery circuit.

Pushbuttons are illuminated green when inactive and amber when active through a combination of green and red LED.

ENTRANCE AND GALLEY LIGHTING

The airplane entrance and galley are illuminated by spots and a fluorescent lighting system. The entrance fluorescent lighting system is supplied with power from inverters that use a 28 V_{dc} A2 bus input, the spots are supplied by A2 bus.

The galley lighting system is supplied by optional feeders (A4 bus, B4 bus).

An ENTRY LIGHTS pushbutton, located on the lighting control panel, controls the entrance lighting.

Pushbuttons located in the galley control the galley lighting.

A BATT IN USE light indicates when batteries supply an equipment.
STAIRS LIGHTING

The stairs are illuminated by an electro-luminescent lighting system. Each stair is illuminated by an individual spotlight.

The stairs lighting is directly supplied from the 28 V\textsubscript{DC} battery bus.

Two pushbuttons control the stairs lighting:
- one located on the lighting control panel (STAIR LIGHTS),
- the other by a pushbutton located on the middle step of the stairs left side, when the passenger door is open.

![Stairs lights](image)

FIGURE 02-33-10-02 STAIR LIGHTING

AISLE LIGHTING

Aisle lighting consists of lights distributed along the aisle on the bottom of galley, seats and sofa.

The aisle lighting system is directly supplied from the 28 V\textsubscript{DC} battery bus.

The AISLE LIGHTS pushbutton, located on the entrance lighting control panel, controls the aisle lighting.

LAVATORY LIGHTS

The toilet lighting system is powered from a 28 V\textsubscript{DC} and inverters for fluorescent tubes.

The toilet lighting is controlled by pushbuttons located on the bulkhead.

A fluorescent tube inverter receives power from the main batteries. Therefore, it is not affected by an electrical circuit power failure.
PASSENGER INDIRECT LIGHTS

The cabin indirect ceiling lighting system is powered from inverters supplied with 28 V\textsubscript{DC}. The lighting system consists of four rows of fluorescent tubes located within the upper and lower valance panels (typical).

The cabin indirect lights are controlled through the lighting panel located in the galley and the CABIN pushbutton located in the INTERIOR LIGHTS zone of the overhead panel.

The CABIN pushbutton of the overhead panel allows the pilots to cut off:
- the entrance and galley lighting or,
- the entire cabin lighting whatever the position of the related switches.

When the airplane electrical system is powered, the switch shows no illuminated annunciator or status light and all lights can be illuminated through the lighting panel of the galley.

Pushing once the button cuts off the entrance and galley lighting. The PAX status light then illuminates in steady blue above the CABIN pushbutton.

Pushing the button a second time cuts off cabin, galley and entrance lighting. The amber OFF annunciator light is then illuminated below the CABIN pushbutton.

The lighting panel located in the galley allows ceiling or valance lights to be illuminated in the forward or aft cabin, at passenger's request.

Individual switch control panels located throughout the cabin area at designated seat locations control the indirect lighting system.

VIP seat locations and other areas may be designated to allow for lighting control of the cabin areas.

FIGURE 02-33-10-03 PASSENGER LIGHTING CONTROL SWITCHES (TYPICAL)

PASSENGER READING AND TABLE LIGHTS

The passenger cabin is equipped with reading and table lights located in the passenger service unit. Both lighting systems are supplied with a 28 V\textsubscript{DC} power. Switch control panels are located within the side-ledges or armrests near each seat location or other designated areas.
PASSENGER ORDINANCE SIGNS

The illuminated FASTEN BELTS and RETURN TO SEAT signs are located throughout the cabin area and are visible from all seat locations. One RETURN TO SEAT sign is located in the toilets.

Control switches are located in the cockpit. The pushbutton are in the INTERIOR LIGHTS area of the overhead panel, with the FASTEN BELTS and symbols. The RETURN TO SEAT sign illuminates at the same time as the FASTEN BELTS sign.

The sign is automatically switched on if oxygen is detected in the passenger oxygen system.

SERVICING

NOSE CONE LIGHT

A hand light is provided for inspection of equipment items in the nose cone area. This inspection light is controlled with a built-in switch and directly supplied from the battery circuit.

BAGGAGE COMPARTMENT LIGHTING

The baggage compartment is equipped with dome light and shares the same power supply as the flight deck dome lights. Electrical power is supplied directly from the batteries off the main electrical box. Illumination of the dome light occurs simultaneously with baggage door opening.

BAGGAGE COMPARTMENT SURROUNDING AREA LIGHTING

The baggage compartment is equipped with ceiling light. Electrical power is supplied directly from the batteries of the left and right electrical boxes. Illumination of the ceiling light occurs simultaneously with interior or exterior baggage door opening.

MECHANIC SERVICING COMPARTMENT LIGHTING

The mechanic servicing compartment is equipped with two dome lights. They switch automatically on upon compartment door opening.

REFUELING AREA LIGHTING

The fueling coupling and the pressure refueling panel lighting are automatically lighted when their respective access door is open.

The refueling area light is controlled by the PYLON LIGHTS pushbutton located on the passenger lighting control panel.
NAVIGATION AND LOGO LIGHTS

There are three navigation lights:
- one red left wing tip light,
- one green right wing tip light,
- one white light located on the lower portion of the vertical stabilizer.

The logo lighting (option) is provided by two lights located on the left and right sides of the horizontal stabilizer upper surface.

Navigation lights and logo lights are both controlled by the NAV pushbutton located in the EXTERIOR LIGHTS zone of the overhead panel.

The NAV pushbutton has three positions:
- NAV position: switches on the navigation lights, no status light illuminates,
- NAV/LOGO position: controls illumination of the navigation and logo lights, the blue LOGO status light is on,
- OFF position: turns off navigation and logo lights and the amber OFF status light comes on.
Selection sequence is the following:

Logo lights are automatically switched off at landing gear retraction and automatically switched on when landing gear is extended regardless of switch position.

**ANTI COLLISION AND STROBE LIGHTS**

There are two types of anti-collision lights:
- the red anti-collision strobe lights, comprising:
  - one located on the vertical fin top fairing (except with SATCOM),
  - one located below the forward section of the fuselage,
- the white high intensity strobe light, comprising:
  - one white high intensity strobe light (400 candlepower) located on each wing tip collocated with the navigation lights within a common enclosure,
  - one white light located on the lower portion of the vertical stabilizer collocated with the navigation rear light.

Three power supply boxes that deliver high voltage current in triggered pulses supply the lights. The three power supply circuits are synchronized to create simultaneous flashes.

The pushbutton is located in the EXTERIOR LIGHTS zone of the overhead panel. It controls the anti-collision lights illumination:
- pushing it once allows illumination of the red anti-collision lights and the status light,
- pushing it a second time controls illumination of both red anti-collision lights and strobe lights. In this condition, no status light is illuminated,
- pushing the pushbutton a third time turns off both red anti-collision and white strobe lights. The status light below the pushbutton is then lighted in steady amber.

**LANDING LIGHTS**

The two 600 W landing lights are located in a flush enclosure in each side of the wing leading edge to fuselage fairings. The landing lights provide an in-flight forward illumination of the landing area. A ventilation inlet provides cooling for the lights.

**NOTE**

Ground operations are limited to a 15-minute cycle with a 45-minute cooling period between use.
The landing lights illumination is controlled by the two LANDING selector switches located in the EXTERIOR LIGHTS zone of the overhead panel. The switch features three positions: OFF, PULSE and ON.

In the PULSE position, the landing lights are flashing in phase opposition. In the ON position, the landing lights are both steady on. In both positions, the blue LDG status light is on.

**TAXI LIGHTS**

The 150 W taxi light is located on the nose gear strut and illuminates the area directly in front of the airplane. It provides visibility during taxi evolutions. If the nose gear is not down-locked, the taxi light remains off regardless of switch positions at the light control panel.

The [TAXI] pushbutton located in the EXTERIOR LIGHTS zone of the overhead panel controls the illumination of the taxi lights. When lights are on, the [ON] status light is on.

**WING ICE DETECTION LIGHTS**

One 85 W ice detection light is located on each side of the fuselage forward section near the fuselage-wing fairing. These lights enable the flight crew to detect wing leading-edge icing during night operation or during low ambient light conditions in flight.

The [WING] pushbutton located in the EXTERIOR LIGHTS zone of the overhead panel controls the illumination of the wing ice detection lights. When lights are on, the [ON] status light is on.
EMERGENCY LIGHTS

In case of a total electrical failure, the emergency lighting system ensures illumination of the cockpit, emergency exit, overwing escape route and passenger door. This lighting system is supplied by three nickel-cadmium batteries charged by the onboard electrical circuit, as long as the EMERG LIGHTS three-position switch is on the ARM position. The batteries can supply for electrical power approximately 10 minutes after an electrical failure.

The emergency batteries supply power to the following:
- pilot and copilot dome lights,
- passenger door:
  - two spotlights,
  - TO UNLOCK MOVE UPWARD THE YELLOW HANDLE sign,
  - EXIT signs,
- passenger ordinance signs (FASTEN BELTS, and RETURN TO SEAT),
- aisle spotlights,
- emergency exit:
  - EXIT sign,
  - PULL HERE TO OPEN sign,
  - exit handle,
- evacuation light on lower wing surface,
- outside emergency exit light.

The emergency lighting system is controlled with the OFF-ON-ARM toggle switch located in the INTERIOR LIGHTS zone of the overhead panel.

In the OFF position, no power is supplied to the emergency lighting system. If the airplane electrical circuit is energized with the switch in the OFF position, the status light above the switch illuminates.

In the ON position, the emergency lighting system is energized and the EMERG LIGHTS status light is illuminated for testing. Power is taken from the emergency batteries.

In the ARM position, the emergency lights remain off providing the airplane electrical system is energized. The lights will automatically illuminate in the event of a total electrical system failure. For normal in-flight conditions, the switch should be armed. The three batteries are charging as long as the airplane electrical system operates normally.
FIGURE 02-33-10-05 EXTERIOR EMERGENCY LIGHTS

FIGURE 02-33-10-06 INTERIOR EMERGENCY EXIT SIGNS
### ATA 33 – LIGHTS

#### DESCRIPTION

<table>
<thead>
<tr>
<th>INTENTIONALLY LEFT BLANK</th>
</tr>
</thead>
</table>

DASSAULT AVIATION Proprietary Data
CONTROL

**FIGURE 02-33-15-00** EXTERIOR / INTERIOR LIGHT CONTROL PANELS

**FIGURE 02-33-15-01** RIGHT OVERHEAD LIGHT CONTROL PANEL AND RIGHT REVERSION PANEL
## ATA 33 – LIGHTS
### CONTROL AND INDICATION

### SYNTHETIC TABLE

<table>
<thead>
<tr>
<th>CONTROL</th>
<th>FUNCTION</th>
<th>TO ACTIVATE</th>
<th>TO DEACTIVATE</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="ON" alt="WING" /> <img src="OFF" alt="WING" /></td>
<td>Activates left and right wing ice detection lights</td>
<td><img src="WING" alt="OFF" /></td>
<td><img src="WING" alt="ON" /></td>
</tr>
<tr>
<td></td>
<td>Pushbutton functions are: Off / ON</td>
<td></td>
<td></td>
</tr>
<tr>
<td><img src="LOGO" alt="NAV" /> <img src="OFF" alt="NAV" /></td>
<td>Activates navigation and logo lights</td>
<td><img src="NAV" alt="OFF" /></td>
<td><img src="LOGO" alt="NAV On" /></td>
</tr>
<tr>
<td></td>
<td>Pushbutton functions are:</td>
<td></td>
<td>NAV and LOGO On</td>
</tr>
<tr>
<td></td>
<td>OFF / NAV ON / NAV-LOGO ON</td>
<td></td>
<td></td>
</tr>
<tr>
<td><img src="ANTICAL" alt="RED" /> <img src="OFF" alt="RED" /></td>
<td>Activates strobes and red anti-collision lights</td>
<td><img src="RED" alt="OFF" /></td>
<td><img src="RED" alt="RED ANTICAL On" /></td>
</tr>
<tr>
<td></td>
<td>Pushbutton functions are:</td>
<td></td>
<td>RED and WHITE ANTICAL On</td>
</tr>
<tr>
<td></td>
<td>OFF / ANTICAL RED ON / ANTICAL RED and WHITE ON</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## ATA 33 – LIGHTS
### CONTROL AND INDICATION

<table>
<thead>
<tr>
<th>CONTROL</th>
<th>FUNCTION</th>
<th>TO ACTIVATE</th>
<th>TO DEACTIVATE</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="LANDING LDG LANDING" /></td>
<td>Activates two landing lights</td>
<td><img src="image2.png" alt="LANDING LDG LANDING" /></td>
<td><img src="image3.png" alt="LANDING LDG LANDING" /></td>
</tr>
<tr>
<td>Functions of toggle switches are:</td>
<td>OFF / PULSE / ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td><img src="image4.png" alt="ON TAXI" /></td>
<td>Activates taxi light</td>
<td><img src="image5.png" alt="ON TAXI" /></td>
<td><img src="image6.png" alt="ON TAXI" /></td>
</tr>
<tr>
<td>Pushbutton functions are: Off/ON</td>
<td>Off</td>
<td>ON</td>
<td></td>
</tr>
<tr>
<td><img src="image7.png" alt="EMERG LIGHTS ARM ON OFF" /></td>
<td>Turns on and then arms emergency lights</td>
<td><img src="image8.png" alt="EMERG LIGHTS ARM ON OFF" /></td>
<td><img src="image9.png" alt="EMERG LIGHTS ARM ON OFF" /></td>
</tr>
<tr>
<td>Toggle switch functions are:</td>
<td>OFF / ON / ARM</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>CONTROL</td>
<td>FUNCTION</td>
<td>TO ACTIVATE</td>
<td>TO DEACTIVATE</td>
</tr>
<tr>
<td>---------</td>
<td>----------</td>
<td>-------------</td>
<td>---------------</td>
</tr>
<tr>
<td>ON FASTEN BELTS</td>
<td>Illuminates FASTEN SEAT BELT ordinance signs in the cabin area</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pushbutton functions are: Off/ON</td>
<td>Off</td>
<td>ON</td>
</tr>
<tr>
<td>ON</td>
<td>Illuminates ordinance signs in the cabin area</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pushbutton functions are: Off/ON</td>
<td>Off</td>
<td>ON</td>
</tr>
<tr>
<td>DOME</td>
<td>Activates two flight deck dome lights</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rheostat functions are: Left-Off / Right-On with light level adjustment</td>
<td>Off</td>
<td>ON</td>
</tr>
<tr>
<td>PAX</td>
<td>Activates CABIN and PAX lights</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pushbutton functions are: OFF / All / PAX On</td>
<td>OFF</td>
<td>All cabin lights on PAX On and entry Off</td>
</tr>
<tr>
<td>CONTROL</td>
<td>FUNCTION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>----------</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>DIM / BRIGHT switch</strong> allows night and day light level adjustment for MASTER WARNING, MASTER CAUTION, SIL, FMS MSG, EVENT and VHF 1 EMERG switches and overhead panel status lights</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>DIM / BRIGHT rotary switch functions:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Counterclockwise DIM / Clockwise-BRIGHT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>OVERHEAD rotary knob</strong> adjusts lighting levels of the main overhead controls and cockpit lighting control panel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>OVERHEAD rotary knob functions:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Counterclockwise Low / Clockwise-High</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PANEL rotary knob</strong> adjusts lighting levels of all equipment within the flight deck and center pedestal</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PANEL rotary knob functions:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Counterclockwise Low / Clockwise-High</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SHIELD rotary knob</strong> adjusts LED power light level under glare shield</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SHIELD rotary knob functions:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Counterclockwise Low / Clockwise-High</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### CONTROL

- **AUTO**
- **REV**
- **DIM**
- **OFF**

### FONCTION

**The inner dimming knobs control:**

- Dimming of display units

**The outer knobs control the AGM (advance graphic module) reversion for the display units:**

**Dimming knob functions:**

- OFF / DIM / BRIGHT

**Activates the two spotlights illuminating the circuit breaker panel:**

**Positions of the pushbutton are:**

- Off / ON
Circuit protection is provided by conventional trip-free circuit breakers located above the overhead panel.

FIGURE 02-33-20-00 LIGHTING CIRCUIT BREAKERS