

## FUNCTION : INTERIOR LIGHTING

**N.B.** : (\*) According to version.

### 1. Role : Built-in systems interface

The commands and time delays of the interior lighting function are all managed by the built-in systems interface.

The BSI manages lighting of the following elements :

- 1 front central interior lamp with 2 map reading lamps
- 4 Lights of the door interior opening controls (\*)
- 2 vanity mirror lamps
- 1 Oddment storage lamp
- 2 Front footwell lamps (\*)
- 2 Rear map reading lamps
- 2 Boot lamps
- 1 Front central armrest lamp
- 1 Connector area lamp

### 2. Components managed by the BSI

#### 2.1. Front interior lamp

When the courtesy lamp is in "on" mode or "automatic" mode and the current generator is operating, no lighting timing is activated, the courtesy lamp remains on.

When the current generator is not operating and the consumption mode is nominal a timing of 10 minutes is begun, this timing goes to 30 seconds if the consumption is on economy : After these timings the vehicle's interior lighting goes off.

When the courtesy light is in "on" or "off" mode, the courtesy light comes on and goes off with no progressive light level.

In the "automatic" functioning mode, the lighting and the extinction of the interior lamp are progressive :

- The progressive lighting takes 1 second
- The progressive extinction takes 4 seconds

**N.B.** : The progressive switching on and switching off times are not included in the timed periods.

At each lighting event, the lighting timing is re-initialised except if the new timing is less than the preceding timing.

Manual lighting requests have priority over automatic lighting requests.

Duration of lighting of the courtesy light in "automatic" mode :

- 30 seconds after the ignition key is removed (\*)
- 15, 30 or 60 seconds after the vehicle doors are unlocked (Time can be set on the multifunction touch screen) (\*)
- 10 minutes from opening a door if the current generator is not operating and the consumption mode is nominal
- 30 seconds from opening a door if the current generator is not operating and the consumption mode is economy standby/triggered
- 30 seconds from the time a vehicle locating request is made

The switching off of the courtesy light in "automatic" mode takes place in the following conditions :

- On locking the vehicle
- Immediately after closing of the last door if the engine is running
- On starting the vehicle if all the doors are closed
- 30 seconds after closing of the last door if the engine is off

## 2.2. Map reading lamp

The map reading lamp lights up part of the passenger compartment to make it easier for the user of the light in question to read documents.

Switching the map reading lamp on and off is manually controlled by the user.

If the current generator is not operating, the map reading lamp will be switched off in the following situations :

- After 10 minutes if the consumption mode is nominal
- After 30 seconds if the consumption mode is economy

**N.B. :** The lighting and extinction of a spotlight is not progressive.

If the map reading lamp has been switched on, putting the engine starting switch into the "stop" position will switch off this map reading lamp (\*).

## 2.3. Ambience lighting (\*)

The ambience lighting consists of controlling the ambience lamps to create a light atmosphere in the vehicle.

The passenger compartment LED management ECU controls the following ECUs :

- Ambience lighting ECU 1 (\*)
- Ambience lighting ECU 2 (\*)

The ambience lighting ECUs 1 and 2 regulate :

- The brightness level of the ambience lighting
- The colour of the ambience lighting
- The type of transition of the ambience lighting
- The transition time of the ambience lighting

The driver adjusts the brightness of the ambience lighting using the lighting rheostat on the multifunction screen and saves the settings.

The ambience lighting comes on automatically the moment the side lamps are switched on.

The ambience lighting can be deactivated via the configuration menu on the multifunction touch screen.

**N.B. :** The ambience lighting does not come on and go off progressively.

## 2.4. Welcome lighting (\*)

When the light is poor, the welcome lighting helps you to get into the vehicle. This includes a front courtesy lamp, footwell lighting and front door interior opening control lamps.

The welcome lighting is activated when the light is poor and the user requests unlocking of the vehicle.

The activation/deactivation and the choice of duration of the welcome lighting are set via the multifunction switch block and via the multifunction touch screen (\*).

**N.B. :** The switching on/off of the welcome lighting is progressive.

## 2.5. Front and rear door interior opening control lighting (\*)

The front and rear door interior opening control lamps light the door handle to make it easier to open the door.

The front and rear door interior opening control lamps are switched on/off at the same time as the welcome lighting.

**N.B. :** The front and rear door interior opening control lamps switch on/off with a gradually increasing/decreasing level of brightness.

## 2.6. Vanity mirror lighting

The vanity mirror lamp comes on when the vanity mirror flap is opened.

If the current generator is not operating or is off, the vanity mirrors lighting switches off in the following conditions :

- After 10 minutes if the consumption mode is nominal
- After 30 seconds if the consumption mode is economy
- On closing the vanity mirror flap

**N.B.** : The lighting and extinction of the vanity mirror lamp is not progressive.

## 2.7. Glove box illumination

The storage compartment lighting comes on when the user opens the storage compartment lid .  
The storage compartment lighting switches off after the storage compartment lid has been open continuously for 10 minutes if the current generator is not operational (GNO switch) and the consumption mode is nominal.  
The change to economy consumption mode causes the storage compartment lighting to go off immediately.  
Closing the storage compartment lid causes the storage compartment lighting to go off immediately.

**N.B.** : The storage compartment lighting comes on and goes off without progressive brightness.

## 2.8. Connector area lighting

The connector area lighting comes on when the user opens the lid of the central storage compartment.  
The connector area lighting switches off after the lid has been open continuously for 10 minutes if the current generator is not operating and the consumption mode is nominal.  
The change to economy consumption mode causes the connector area lighting to go off immediately.  
Closing the lid causes the connector area lighting to go off immediately.

**N.B.** : The connector area lighting comes on and goes off without progressive brightness.

## 2.9. Front central armrest lighting

The front central armrest lighting comes on when the user opens the front central armrest.  
The front central armrest switches off after the lid has been open continuously for 10 minutes if the current generator is not operating and the consumption mode is nominal.  
The change to economy consumption mode causes the front central armrest lighting to go off immediately.  
Closing the armrest causes the front central armrest lighting to go off immediately.

**N.B.** : The front central armrest lighting comes on and goes off without progressive brightness.

## 2.10. Footwell lighting (\*)

The footwell lighting function improves visibility below the dashboard if the light is poor by providing subdued lighting.  
The footwell lighting comes on when the welcome lighting and the ambiance lighting are activated.  
The footwell lighting is managed by the built-in systems interface, a timed lighting period begins if the welcome lighting is active, the footwell lighting comes on for 30 seconds.

**N.B.** : The switching on/off of the footwell lighting is not progressive.

## 2.11. Boot lighting

The boot lighting is active when the tailgate is opened.  
The boot lighting switches off after the tailgate has been open continuously for 10 minutes if the current generator is not operating and the consumption mode is nominal.  
The timing is fixed at 30 seconds if the consumption mode is on economy.  
If the current generator is operating, there is no timing.

**N.B.** : The boot lamp(s) do(es) not come on and go off progressively.

## 2.12. Black panel function

The black panel function switches off some of the displays so as to rest the eyes during night driving.  
The "black panel" function can be activated, with the headlamps on, via the instrument panel or via the multifunction touch screen (\*).  
When the black panel function is activated, these displays on the instrument panel remain lit :

- Vehicle speed information

- Automatic gearbox selection position information (\*)
- Vehicle cruise control and speed limiter information (\*)
- Fuel level alerts

If there is any alert or function modification or adjustments, black panel is interrupted.

**N.B.** : The lighting rheostat remains operational in black panel mode . When the vehicle lamps are turned off, or in day mode for vehicles that have daytime-running lamps, any action on the rheostat is without effect.