

BMW F30 Electrical Equipment. Exterior Lighting.

The exterior lighting of the F30 is mainly based on the latest BMW models.

F30 is equipped with halogen headlights as standard.

Equipment can be ordered bi-xenon headlights (SA 522).

With bi-xenon headlights, constant dipped and parking lights are carried out on LEDs.

If halogen headlights are installed, the headlight range is manually adjusted.

The cornering light is available for the F30 as

optional equipment (SA 524), which can only be installed in conjunction with bi-xenon headlights (SA 522).

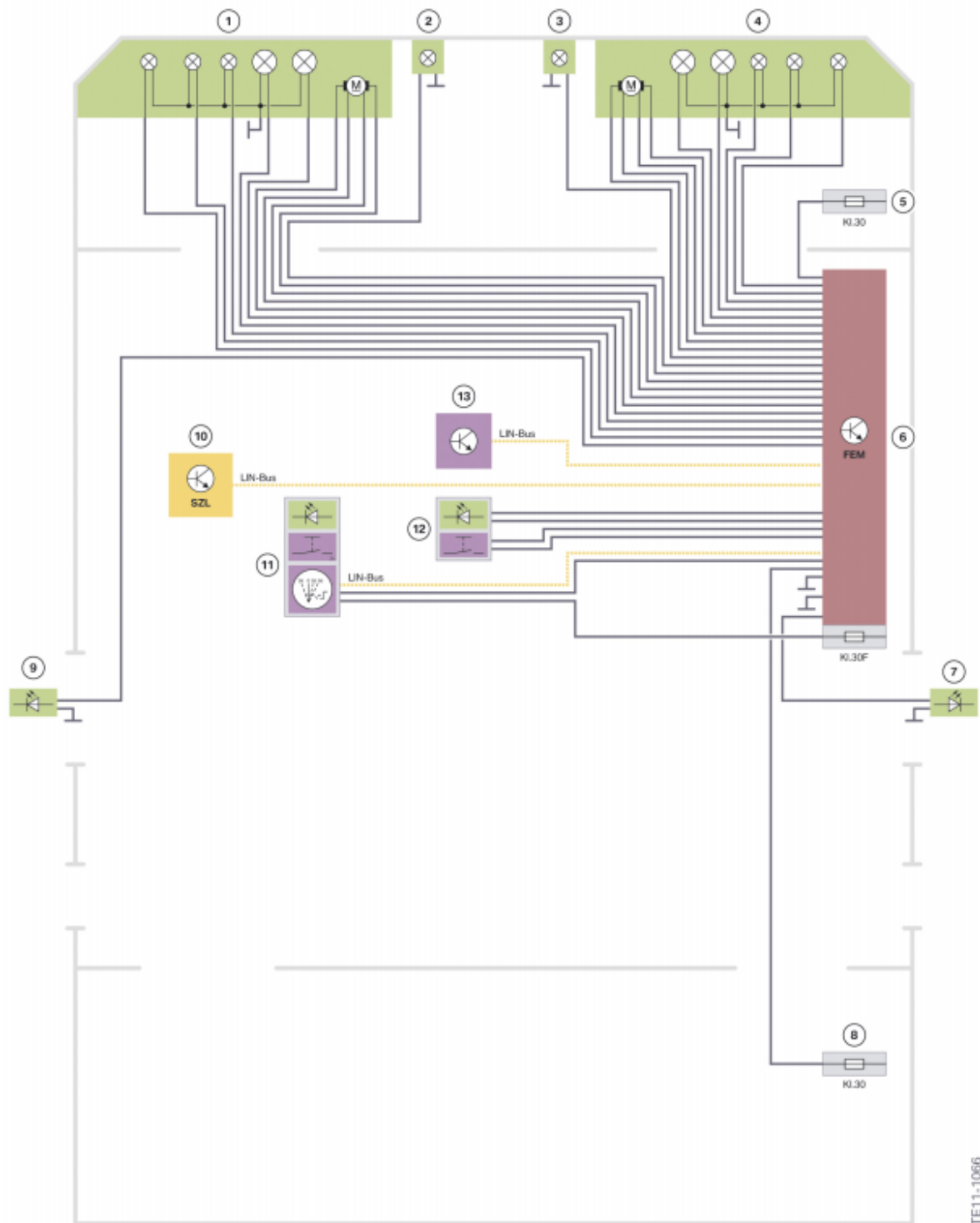
The FEM module, as the master, is responsible for the operation of the external lighting. what lighting functions need to be activated or deactivated, and reports this information REM module via K-CAN 2. The REM module, in turn, informs the FEM module of the status

activated function.

As already familiar from F20, LED indicators are installed in the exterior mirrors

This allowed to abandon the additional direction indicators in the wings.

Detailed information on external lighting fixtures is contained in the information on Product "Outdoor Lighting System F01 / F02".

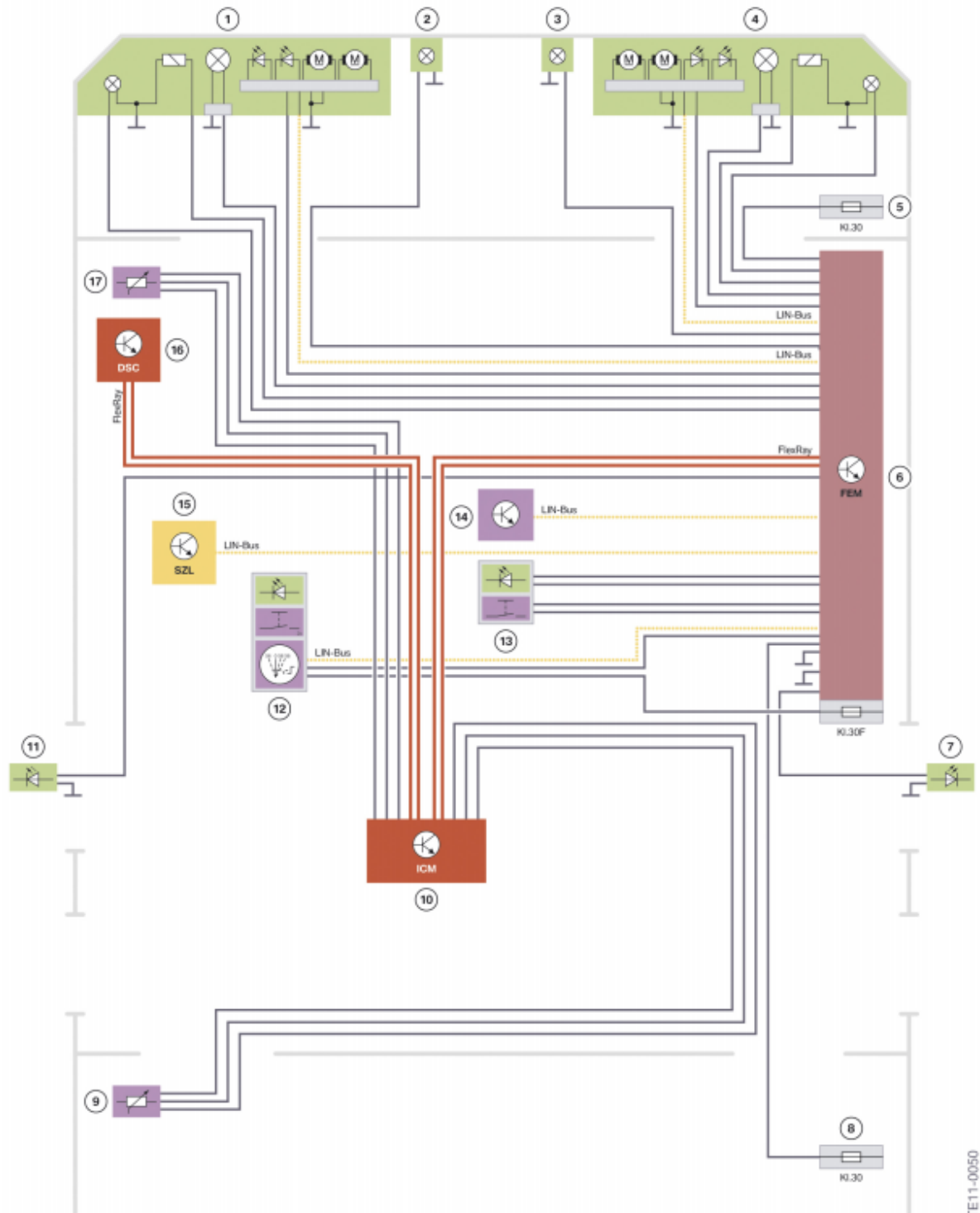


TE11-1066

Designation Explanation

- 1 Left headlight
- 2 Left fog lamp (SA 520)
- 3 Right fog lamp (SA 520)
- 4 Right headlight
- 5 Power distribution box in the engine compartment
- 6 Front Electronic Module (FEM)
- 7 Additional turn indicator in the right rear-view mirror
- 8 Battery distribution box
- 9 Additional direction indicator in the left rearview mirror
- 10 Steering column switch cluster (SZL)

- 11 Panel of light switches
- 12 Central locking button / emergency light switch alarm
- 13 Rain / light / fog / sun sensor
- Kl. 30 Standing Plus
- Kl. 30F Contact 30F

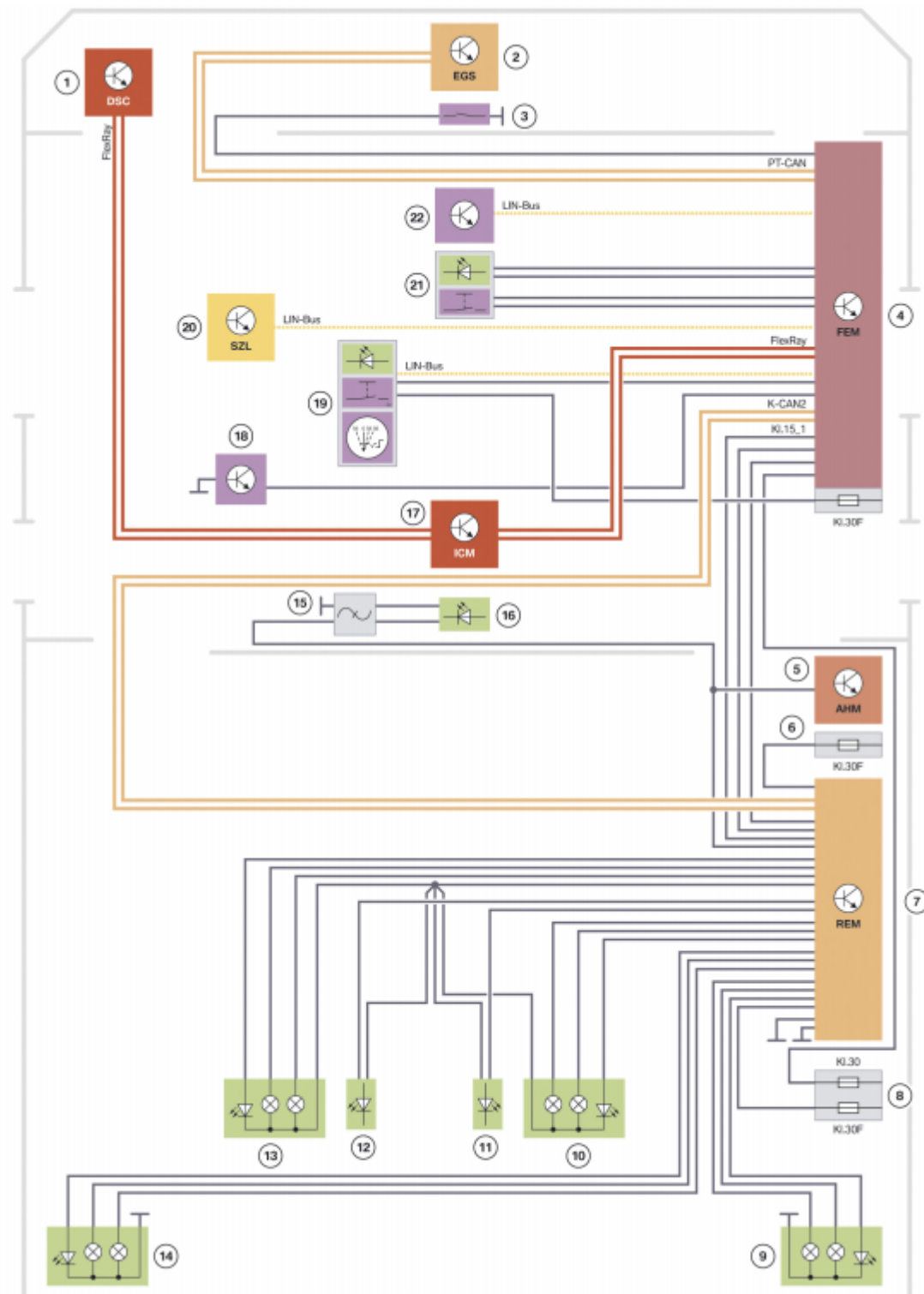


TE11-0050

Designation Explanation

- 1 Left headlight 1
- 2 Left fog lamp (SA 520)
- 3 Right fog lamp (SA 520)
- 4 Right headlight1

- 5 Power distribution box in the engine compartment
- 6 Front Electronic Module (FEM)
- 7 Additional turn indicator in the right rear-view mirror
- 8 Battery distribution box
- 9 Rear ride height sensor
- 10 Integrated Chassis Management (ICM)
- 11 Additional direction indicator in the left rearview mirror
- 12 Light switch panel
- 13 Central locking button / emergency light switch
alarm
- 14 Rain / light / fog / sun sensor
- 15 Steering column switch cluster (SZL)
- 16 Dynamic Stability Control (DSC)
- 17 Front ride height sensor



Designation Explanation

- 1 Dynamic Stability Control (DSC)
- 2 Electronic Transmission Control (EGS)
- 3 Contact switch for reversing lights
- 4 Front Electronic Module (FEM)
- 5 Trailer Electrical Connection Module (AHM)
- 6 Power distribution box in the luggage compartment
- 7 Rear Electronic Module (REM)
- 8 Battery distribution box
- 9 Right wing taillight block

- 10 Right rear light assembly on the boot lid
- 11 Right license plate light
- 12 Left license plate light
- 13 Left tail light assembly on the boot lid
- 14 Left wing taillight block
- 15 Anti-interference filter
- 16 Additional brake light
- 17 Integrated Chassis Management (ICM)
- 18 brake light switch
- 19 Panel light switch
- 20 Steering column switch cluster (SZL)
- 21 Central locking button / emergency light switch
- alarm
- 22 Rain / light / fog / sun sensor
- Kl. 30 Standing Plus
- Kl. 30F Contact 30F

Adaptive cornering light

On the F30, adaptive cornering light (SA 524) is only available when installing all the following additional equipment:

- Fog lights (SA 520)
- Rain Intensity Sensor (SA 521)
- Xenon light (SA 522)
- Main beam control system (SA 5AC).

Control

Adaptive cornering light is active in the “A” switch position with the light on ignition.

The cornering light automatically switches on depending on the angle of rotation steering wheels or turning on the direction indicator.

Cornering lights

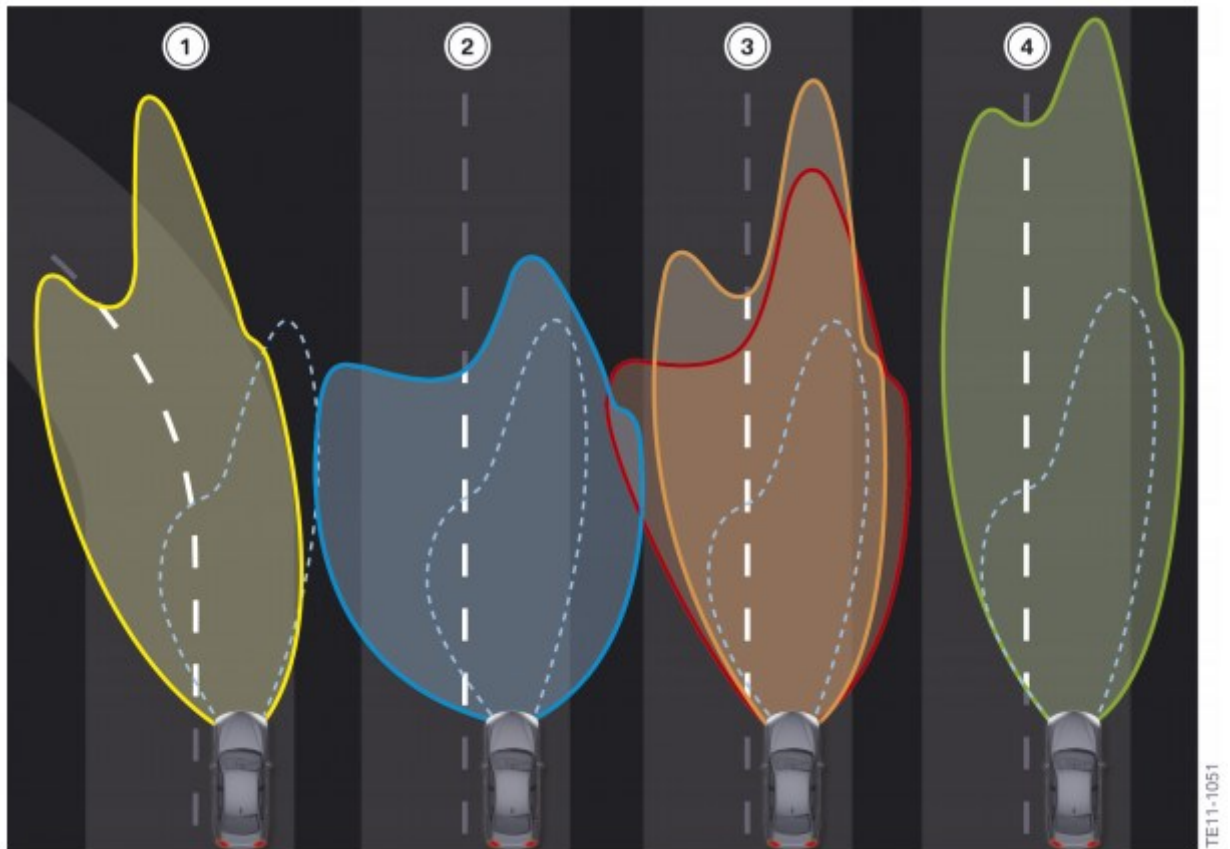
The cornering function is included in SA “Adaptive cornering”. when cornering and when folding to a speed of 65 km / h, one of the fog lights turns on As a corner light, the inner corner of the corner is better illuminated.

In order not to dazzle oncoming drivers, adaptive headlights on place facing the passenger side.



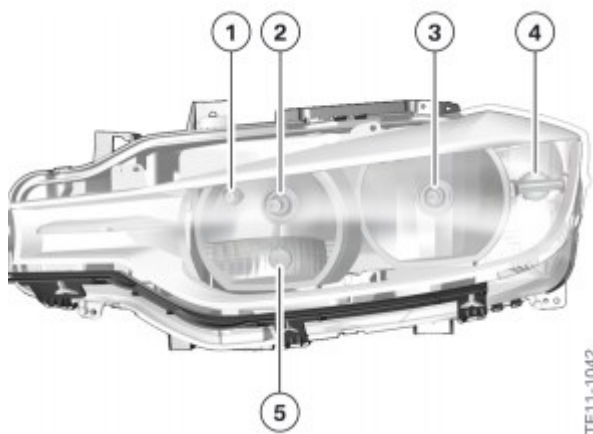
Adjustable light distribution

Adaptive cornering light provides a different distribution of light flow depending on the situation.



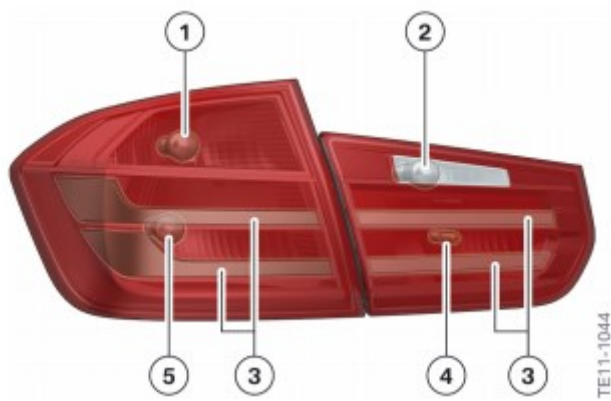
Designation Explanation

- 1 Adaptive cornering light
- 2 Light distribution for fog traffic
- 3 Distribution of luminous flux for movement outside the city (orange); light distribution for city traffic (red)
- 4 Light distribution for motorway traffic



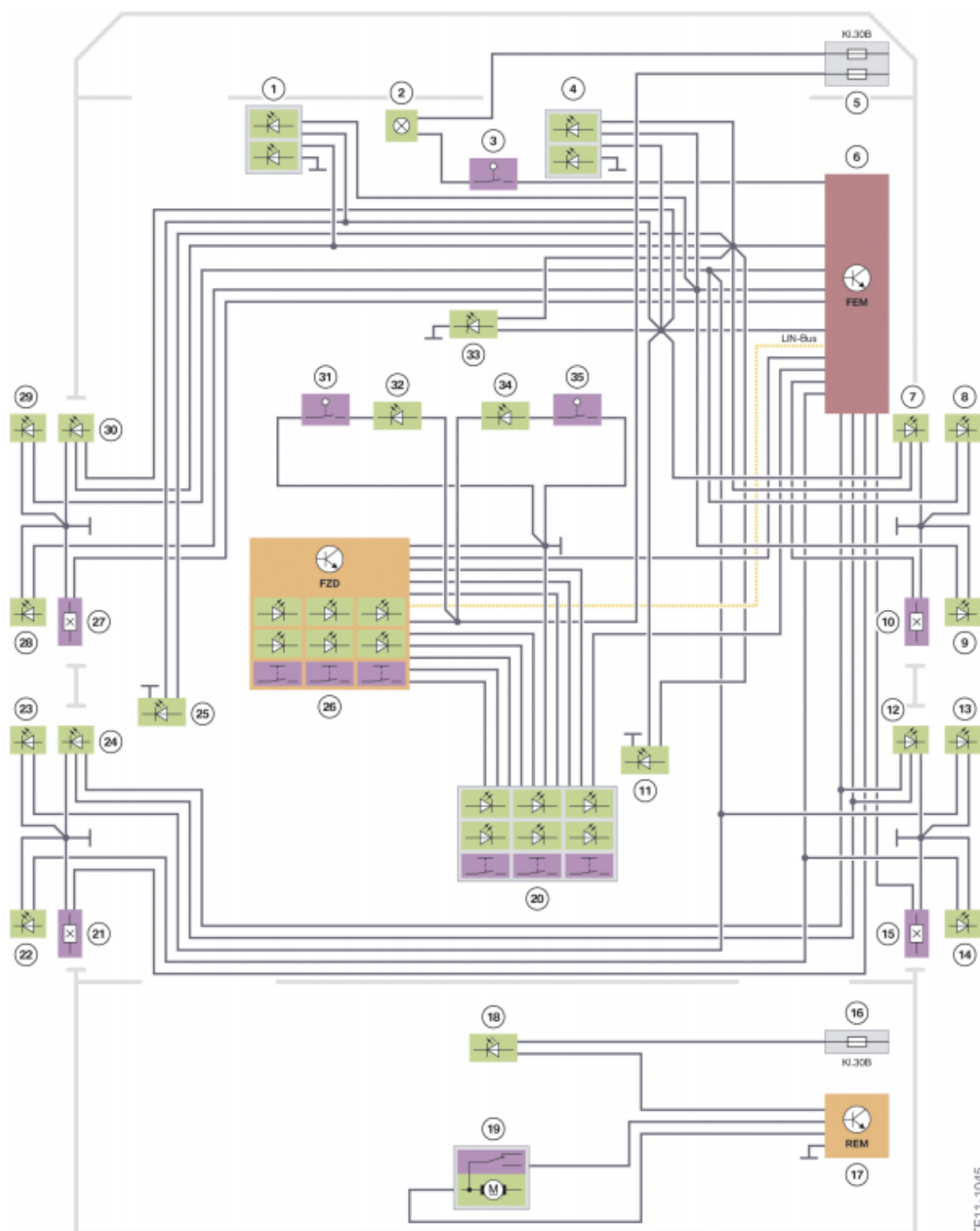
Designation Explanation

- 1 Parking light
- 2 Main beam
- 3 dipped beam
- 4 direction indicator
- 5 Constant low beam



- 1 direction indicator
- 2 Reversing light
- 3 Rear position lamp
- 4 Rear fog light
- 5 Stop light

Interior lighting



TE11-1045

Designation Explanation

- 1 Driver's footwell light
- 2 Glove box light
- 3 glove box contact
- 4 Front passenger footwell light
- 5 Power distribution box in the engine compartment
- 6 Front Electronic Module (FEM)
- 7 Illumination of the inside handle of the front passenger door
- 8 Illumination of the space in front of the door in the outer handle of the front door passenger

- 9 Front passenger door threshold lighting
- 10 Front passenger door contact
- 11 Passenger side center pillar lighting
- 12 Illumination of the internal handle of the right back door
- 13 Illumination of the space in front of the door in the outer rear right handle doors2
- 14 Illumination threshold right rear door
- 15 Rear right door contact
- 16 Power distribution box in the luggage compartment
- 17 Rear Electronic Module (REM)
- 18 Tail light
- 19 Contact switch for boot lid with boot lid lock
- 20 Rear light
- 21 Left rear door contact
- 22 Illumination threshold left rear door
- 23 Illumination of the space in front of the door in the outer rear left handle doors2
- 24 Illumination of the internal handle of the left rear door1
- 25 Central pillar lighting on driver's side
- 26 Roof function center FZD with front light salon5
- 27 Driver door contact
- 28 Lighting the threshold of the driver's door
- 29 Highlighting the space in front of the door in the outer handle of the driver's door
- 30 Illumination of the inside handle of the driver's door
- 31 Driver mirror makeup light switch
- 32 Driver's mirror light
- 33 Instrument panel lights
- 34 Passenger mirror cosmetic light
- 35 Passenger cosmetic mirror light switch