The Audi Q3 has distinctive daytime running lights – a typical Audi feature. They extend the full width of the headlight unit and form a frame around the bi-xenon module, which can be equipped with the dynamic cornering light as an optional extra. At the rear the lights in the wrap-around tailgate give the vehicle its unmistakable visual character. The rear lights are either of conventional pattern or feature LED technology. LED ambient lights not only add to the perceived sense of width inside the vehicle but also, with the high blue constituent in the light, are a positive safety factor.

HEADLIGHTS

The visual effect created by the daytime running lights is surely the most striking feature of the Audi Q3’s headlights: the most recent addition to the Audi SUV family has a premium LED lighting system. A single-piece light guide extends the entire width of the headlight unit and frames the bi-xenon module. This bold design gives the Q3 an unmistakable front-end appearance, which is easily identifiable and therefore makes a positive contribution to road safety. Although the light guide would be more than one metre long if straightened out, only two Ostar compact LEDs are needed as a light source. This was a major challenge when the light guide was designed, firstly because of the legal requirements to be satisfied and secondly because Audi’s high standards of visual quality had to be met. The main requirements were therefore for uniform light output and true “cold design”, that is to say the unit’s appearance when switched off.

The use of LED technology for the daytime running lights has reduced energy consumption by more than half compared with the basic version using bulbs. LEDs have a much higher light output than conventional bulbs, which means that more light is produced for each watt of electric power input. Due to electrical power loss a certain amount of heat is nevertheless developed, and is expelled to the rear. For optimal cooling, the pressure-