HALIOS® RAIN AND LIGHT SENSOR

**General Description**

The RL IC (Rain and Light Sensor) is intended for controlling an optical sensor unit in automotive wiping systems. It provides two embedded LED drivers with up to 40mA current for stimuli generation. A special, high-sensitive receiver allows processing of a diode input signal without total reflection of the send signal, allowing reliable detection of rain. Due to the used HALIOS®-SD measurement method a very high robustness against sun light is provided. The device has four additional input channels for ambient light measurements.

**Applications**

- Optical rain sensing to control wiping systems
- Ambient light measurements to control
- Headlights
- Head-up Displays
- Air Conditioning

**Ordering Information**

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<th>Ordering No.</th>
<th>Temp. Range</th>
<th>Package</th>
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<td>E520.35</td>
<td>-40°C to +105°C</td>
<td>QFN44L7</td>
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<td>E527.05</td>
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**Typical Application Circuit**

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This document contains information on a product under development. Elmos Semiconductor AG reserves the right to change or discontinue this product without notice.

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