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## Product Specifications of the R2A20135SP LED Driver IC

### Features of the R2A20135SP

Features	R2A20135SP
Product name	R2A20135SP
Maximum power supply voltage	24 V
Operating junction temperature	-40–150°C
Package	SOP-8
UVLO circuit	<ul style="list-style-type: none"> <li>• UVLO operating start voltage: 12.0V±0.8V</li> <li>• UVLO operating shutdown voltage: 9.0V±0.5V</li> <li>• Feedback voltage: 0.2V±0.01V</li> </ul>
Built-in functions	<ul style="list-style-type: none"> <li>• Dimming function</li> <li>• Current limiter</li> <li>• Zero current detection mode</li> <li>• PFC function</li> </ul>

### LED control circuit evaluation board with TRIAC dimming support

Board type name		R2A20135EVB-ND1
	Isolated/non-isolated	Non-isolated
	Operating mode topology	High side–Step down mode
	Control method	Error amp mode control
	Built-in LED driver IC	Triac dimmable R2A20135SP
Default setting	AC input voltage (V)	90–132
	Output voltage Vf (V)	40
	LED current (mA)	200
Cap size	E26	
Board size (mm)	33.5 × 36 max.	

Board type name		R2A20135EVB-ND1
Primary features	Efficiency	85%
	PF	0.96
	THD	16%
	Output current ripple	27%
	Trailing edge dimmable	4%–100%