ILLUMINATION UNIT V3.0

24.07.2023 Version 1.41

Description

The contactless measurement probe for wheel alignment can not only be used to measure toe and camber of a wheel, but also to determine the height of the wheel house edge. For the illumination of the wheel house edge, an additional illumination unit is necessary, which is connected directly to the probe. No further construction measures are required. The design of the illumination unit allows the measurement of all types of vehicles.

Illumination unit

Illumination unit mounted on *dPP* probe

The illumination unit consists of a ledge with 24 LEDs, which illuminate the wheel arc of the vehicle. The cameras of the probe take the reflections. Subsequently, a line for the wheel arc is approached in the three-dimensional coordinate system. From the highest point of this line, the height of the vehicle can be determined.

Benefits for our customers

- Easy mounting and setup.
- Simultaneous determination of the height of the wheel house edge while measuring the chassis geometry.
- High measurement accuracy.

Order numbers

	Order number
Illumination unit V3.0	B274908

VisiCon Automatisierungstechnik GmbH
Gartestraße 2b
37130 Gleichen-Rittmarshausen, Germany
Tel.: +49 (0)5508/9862-0
E-Mail: info@visicon.eu
Web: www.visicon.eu

Technical Data

	Characteristics
Dimensions (H x W x D)	70 mm x 300 mm x 28 mm
Weight	1,1 kg
Dimensions including packaging (H x W x D)	120 mm x 360 mm x 240 mm
Weight including packaging	1,4 kg (2,4 kg for two units)
Power consumption	12 W (max. 36 W)
Light source	24 high performance LEDs, dimmable with software, PWM
Emission area	650 nm-670 nm
Risk type according to DIN EN 62471	RG0
Protection type according to DIN EN 60529	IP 54
Connection	500 mm connection cable with angle plug, direct connection to *dPP* probe
Temperature range	5 °C–45 °C (operation) -10 °C–60 °C (storage)
Humidity	Up to 90 %, not condensing

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