



PRODUCT DATA SHEET

VILUM

RELIABLE IR ILLUMINATION FOR ANPR AND TRAFFIC SYSTEMS

VILUM is an industrial-grade IR illuminator designed to provide powerful and uniform infrared lighting for ANPR, traffic enforcement, and tolling applications.

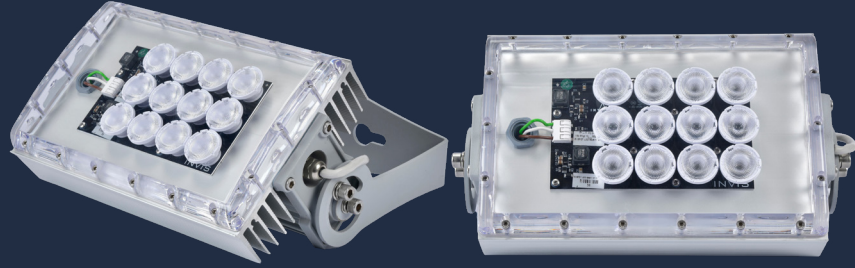
Operating at 850 nm, VILUM ensures clear, high-contrast license plate capture and scene visibility, even in complete darkness.

Built according to INVIS industrial design standards, it delivers stable performance and consistent illumination for continuous night operation in harsh outdoor environments.

Available in both DC (24–28 V) and AC (220 V) versions, VILUM adapts easily to different field and cabinet configurations. Its optimized LED array, provides selectable continuous output levels of 48 W, 75 W, or 100 W, supporting short- and long-range illumination requirements.

The rugged enclosure and precision thermal design ensure efficient heat dissipation, long service life, and reliable operation under demanding weather conditions.

VILUM also supports adaptive brightness control synchronized with cameras or system logic.



VILUM — stable, uniform infrared illumination engineered for reliable night-time ANPR and enforcement operations.

INVIS

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OUR OFFICE

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VILUM SPECIFICATION

RELIABLE IR ILLUMINATION FOR ANPR AND TRAFFIC SYSTEMS



Power Input	24 to 28 VDC (220V AC Model available)
Power Consumption	50W (75W or 100W optional)
Number of High PWR LED	12 (can be upgraded to 18 for more power)
Dimension	27x18x9.5 cm (without Bracket)
Bracket	Include Bracket (It has a connection mechanism to the base)
Power control	Ability to control power: through PWM input or Analog voltage(optional)
Protection grade	Environmental protection grade: IP65
Operational temperature	-25 to 55
Wavelength	850nm
LED Brand	OSRAM Oslon Black
Les and FOV	Lens angle: 40 degrees (can be changed by replacing different lenses based on customer order from 14 to 80 degree)
Driving Method	fixed current and PWM current control chipset



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