



# Obsidian™ L

## Limited signature IR light



The Telva Obsidian™ L is a military grade IR light for covert operations. Unlike conventional IR lights, however, the Obsidian L has a controlled and limited signature.

Used together with night vision devices, Obsidian L emits enough light to safely operate vehicles under night-time conditions, but is undetectable from afar.

Telva Obsidian L is suitable for mounting on vehicles, both as a retrofit application and design-stage integration. The light is controlled via cable remote control.

### Obsidian L Limited Signature IR Light

#### Product highlights:

- Limited signature IR light
- Separate remote control unit (via cable)
- External power supply (not included)
- Extended input voltage range
- Serial bus compatible

#### Technical specifications:

Dimensions (light unit)	200 × 96 × 62 (mm, L × W × H)
Dimensions (control unit)	132 × 73 × 54 (mm, L × W × H)
Weight (light unit)	1.380 g
Weight (control unit)	480 g
Power supply	5..36 VDC
Power consumption	2,3 W (nom.), 10 W (momentary/max.)
Beam power settings	Full, Medium and Low
Beam width settings	Wide, Normal and Spot
Wavelength	NIR
Remote unit controls (rocker switches)	Power, Shutter, Beam power and Beam width
Ingress protection rating	IP69
Temperature range	-32...43 °C (operation)
Humidity	MIL-STD-810H
Air-pressure/altitude	MIL-STD-810H
Shock	MIL-STD-810H
Vibration	MIL-STD-810H
EMC	MIL-STD-461G
Interface	CAN serial bus
Construction	aluminium casing
Mounting bracket holes	AMPS hole pattern + MIL-STD-1013
Cable specifications	Power cable: 4,0 m Control cable: 4,0 m
Options	Non-standard cable lengths

#### General features:

- Rugged, robust and reliable
- Easy to handle – in any conditions
- Weather-sealed (IP69)
- Wide operating temperature range
- Robust bracket for mounting on vehicles
- Subject to export control (Finland)

#### Ordering information:

Product	Part number	Features
Telva Obsidian L, LU	OB-L-B4-33200	
Telva Obsidian L, RCU	OB-L-B4-42130	
Telva Obsidian L, CTRL cable	OB-L-B4-50840	4,0 m
Telva Obsidian L, PWR cable	OB-L-B4-60840	4,0 m
Complete OB-L-B4 system	Telva part number: OB-L-B4 4-4 NSN: 5855-58-002-0791	

#### Document information:

Technical data sheet	Date of issue	Lang., size
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