VIRELux
Inspection systems

Opti Light

Reference: OptiLight Single Panel

Document :

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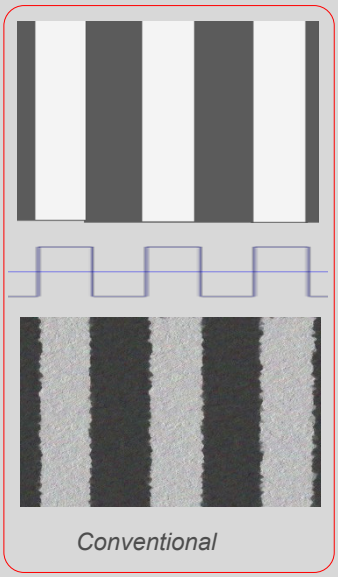
TECHNICAL SPECIFICATIONS

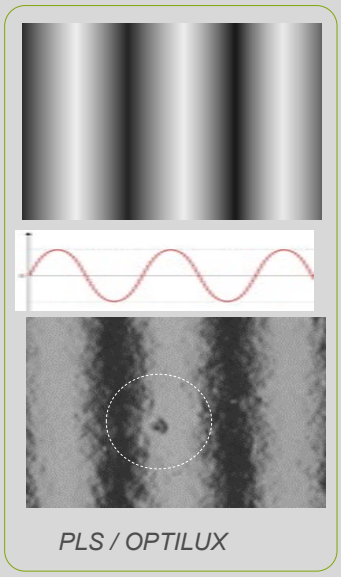
PLS lighting systems

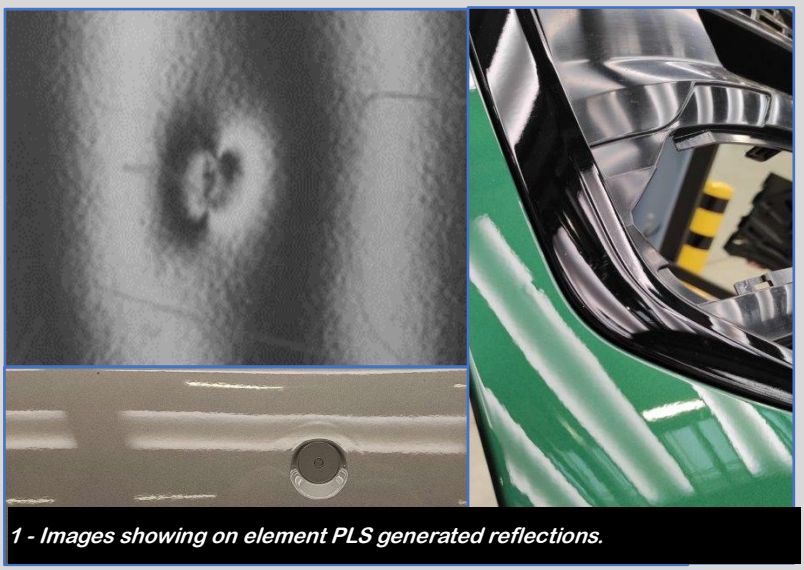
The here described system is equipped with the VIRELUX proprietary PLS light box design. It features a dedicated, sinusoidal profile light emission, improving operator ergonomy and visual accuracy.

Explanation: small defects are more visible in grey level transition zones, than in stepped profile lighting, whilst additionally reducing the needed operator movements.

This generally translates to higher detection rates, and lower operator fatigue effects.





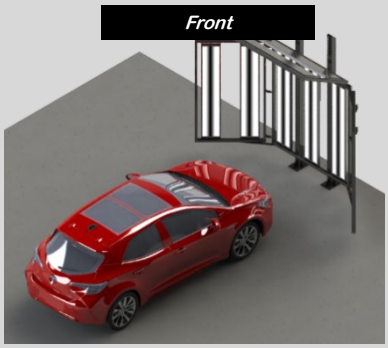


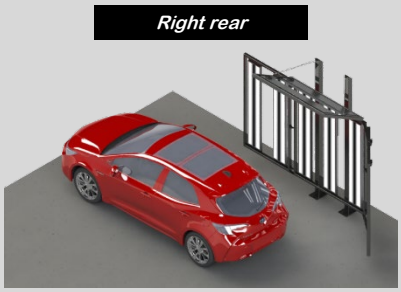
1 - Images showing on element PLS generated reflections.

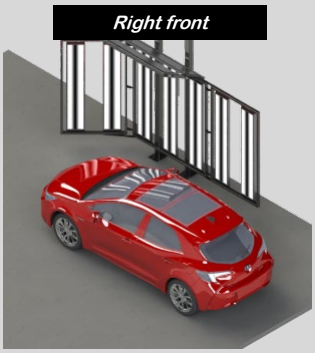
Single panel overview

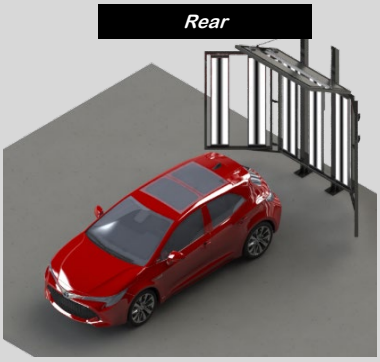
The single panel system is sepecially designed for the inspection of one bodywork element such as a door, the hood or a fender. It comes as a basic center module, extensible with angle adjustable flaps on either side, and/or at the top.

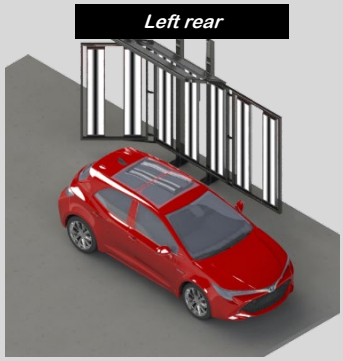
The equipment is adjustable to virtually any possible working configuration:

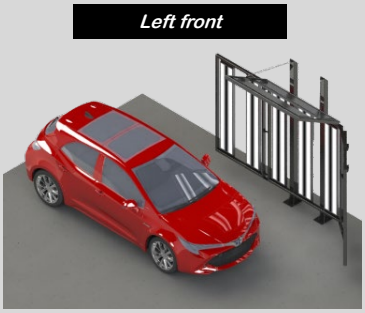












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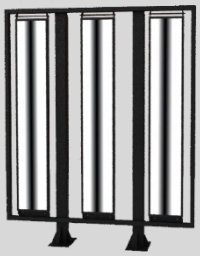
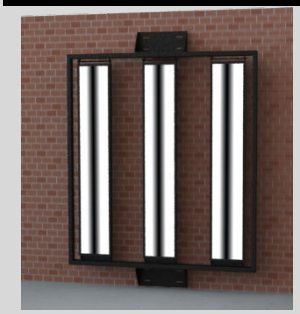
Possible equipment configurations:

Basic equipment on footings



Wall fixation

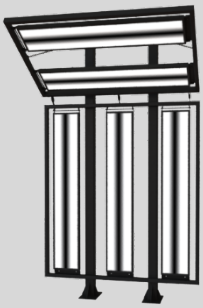


With one side flap

With two sides flaps

Beam fixation

With one top flap



With one side flap & top flap

With two sides flap & top flap

Technical Data:

Sinusoïde light colour:	4.000 K
Double sinusoïde composite pattern:	4.000 K - 3.000 K – 4.000 K
LED Type:	SMD 2835
Led Lifetime:	>40.000 h
Luminosity:	Adjustable from 1.000-3.000 Lux at 1m
Dimmable:	PWM , stepless
Power supply:	220V – 16A

In LBM 15

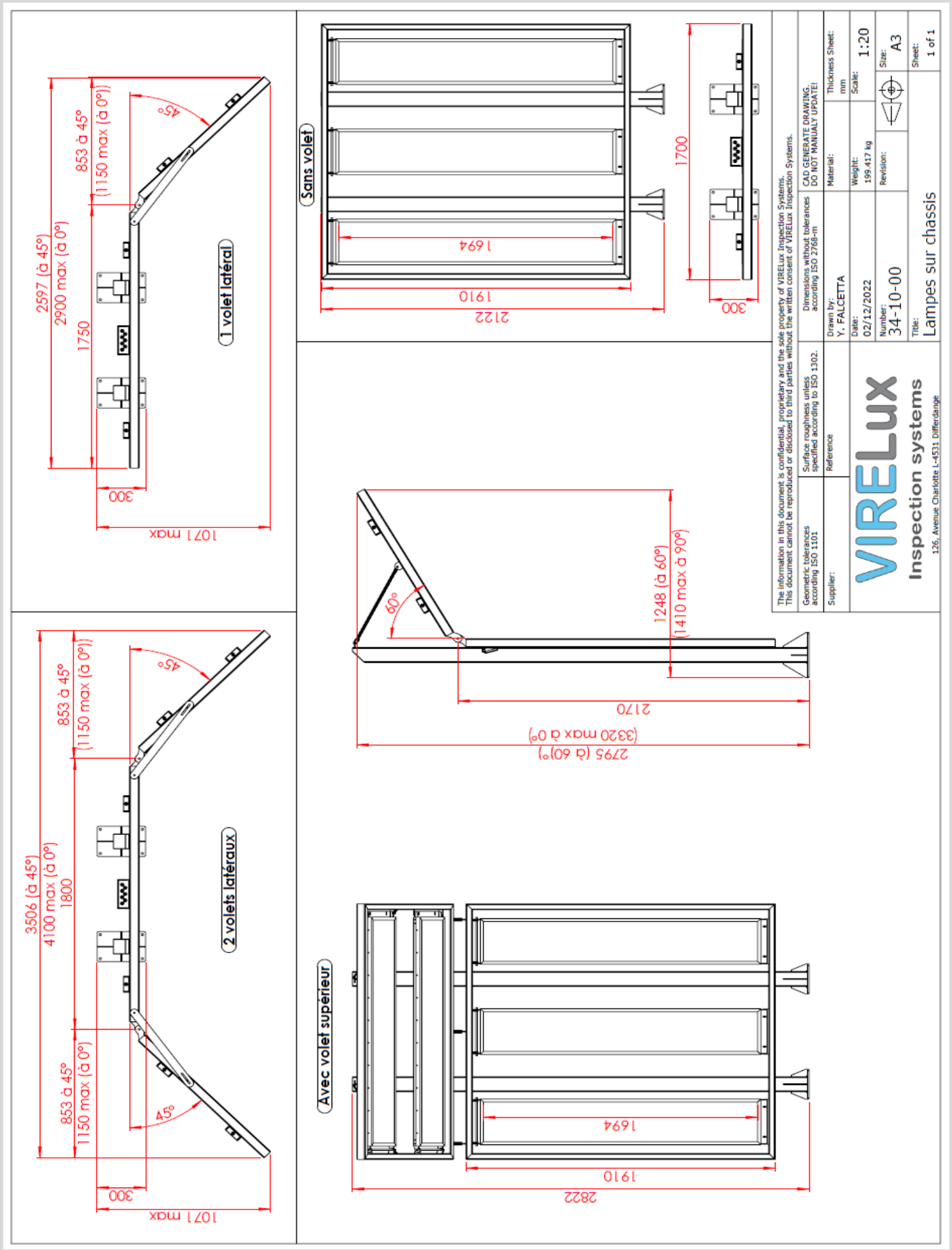
Active surface:	1.500 x 250 mm active	Overall weight:	65 kg
Overall dimensions (HxWxT):	1.684 x 1.800 x 121 mm	Rated power:	320 W
Additional Flap Weight :	90kg / each	Rated power:	200 W

In LBM 21

Active surface:	2.100 x 250 mm active	Overall weight:	75 kg
Overall dimensions (HxWxT):	2.244 x 1.800 x 121 mm	Rated power:	480 W
Additional Flap Weight :	110kg / each	Rated power:	240 W

Optional Features:

Composite pattern
Composite pattern including an additional sinusoidal center line in yellow color.
Additional flap
Equipment completed by one additional flap (with 2 LB's) to be mounted on either one side or at the top.
Flap adjustment
Manual winch unit for angle adjustment of the top flap
Flap motorization
Motorization unit for easy angle adjustment of the top flap
Centralized power Cabinet
Installation of an electrical cabinet regrouping all functions
Fixing sets
Set of fixing components for wall mount
Set of fixing components for beam mount
Set of fixing components with floor footings


1 volet latéral
2597 (à 45°)
2900 max (à 0°)
1750
853 à 45°
(1150 max (à 0°))
45°
300
1071 max
2 volets latéraux
3506 (à 45°)
4100 max (à 0°)
1800
853 à 45°
(1150 max (à 0°))
853 à 45°
1150 max (à 0°)
45°
45°
300
1071 max
Sans volet
1694
1910
2122
1700
300
60°
1248 (à 60°)
(1410 max à 90°)
2170
2795 (à 60°)
(3320 max à 0°)
Avec volet supérieur
1694
1910
2822
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Geometric tolerances according ISO 1101
Surface roughness unless specified according to ISO 1302.
Dimensions without tolerances according ISO 2768-m
CAD GENERATE DRAWING. DO NOT MANUALY UPDATE!
Supplier:
Reference
Drawn by: Y. FALCETTA
Material:
Thickness Sheet: mm
Date: 02/12/2022
Weight: 199.417 kg
Scale: 1:20
Number: 34-10-00
Revision:
Size: A3
Title: Lampes sur chassis
Sheet: 1 of 1
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