

# Vandal-resistance

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## VANDAL-RESISTANCE IS OUR SPECIALITY

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Sécurlite has always conceived its luminaires bearing in mind the aggressions they might suffer. This thought process has led us to design our products in such a way that they can effectively withstand impacts, ripping-out, or outdoor aggressions.

For this, we use materials like steel, aluminium, stainless-steel, polycarbonate, and Duroflam® (option): materials that meet the criteria for high strength.

Concerning graffiti resistance, we offer the application of a special varnish on our luminaires in order to be able to clean them much more easily. This varnish is also subject to a UV treatment that slows down yellowing of the luminaire casing. Hence this process proves particularly effective for outdoor installations and for areas subjected to strong sun exposure.

We also work carefully on the design of our products so they will fit as attractively into their surroundings as they will withstand external aggressions.

Hence special fixings have been produced to make our luminaires even more vandal resistant. What's more, our screws can only be extracted using special tools, like Bition tools or spanners/keys.

The VK® rating allows better characterization of anti-vandal luminaires: it includes mechanical strength beyond IK10, as well as the other characteristics involved in vandal resistance.

The EN 62262 standard provides for a maximum resistance of IK11 = 50 joules. Our VK® index, together with the resistances mentioned alongside, adds 4 further resistance levels (IK 11\* = 80 joules, IK 11\*\* = 100 joules, IK 11\*\* = 120 joules, IK 11\*\* = 150 joules).



Impact resistant  
Anti-vibration



Rip-out resistant  
Anti-hanging



Vandal-resistant screws  
with 2-hole Snake-Eye or  
Pin Torx patterns



Flame resistant



Graffiti resistant

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## SPECIAL TOOLS

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The special tools, in the form of driver bits or special spanners, must be ordered separately. Bit-holder drivers and additional tools can also be ordered at current prices. Special fastenings can be designed on request.

# Technical Guide

## INDICES VK®

VK® vandal resistance rating

Indice VK®	1 <sup>st</sup> position	2 <sup>nd</sup> position	(3 <sup>rd</sup> position)
0	< 10 joules	no protection	no protection
1	10 joules (*)	standard fastenings	flame resistance
2	20 joules (*)	vandal-resistant fastenings (or secure closure)	graffiti resistance
3	50 joules (*)	rip-out resistant	increased UV resistance (tropicalization)
4	80 joules	rip-out-resistant + standard fastenings	resistance to marine environment
5	100 joules	rip-out-resistant + vandal-resistant fastenings	-
6	120 joules	anti-ligature + vandal-resistant fastenings	-
7	150 joules	-	-

By virtue of their characteristics, anti-ligature luminaires are also rip-out-resistant.

The figure in the 3<sup>rd</sup> position is optional.

\* Standardized values as per EN 62262: see IK rating

## INDICES IK

NF EN 62262 standard IK rating for resistance to mechanical impacts

Impact resistance	Mass / Drop height
IK 1 / 0,140 joule	0,25 kg : 56 mm
IK 2 / 0,20 joule	0,25 kg : 80 mm
IK 3 / 0,35 joule	0,25 kg : 140 mm
IK 4 / 0,50 joule	0,25 kg : 200 mm
IK 5 / 0,70 joule	0,25 kg : 280 mm
IK 6 / 1 joule	0,25 kg : 400 mm
IK 7 / 2 joules	0,50 kg : 400 mm
IK 8 / 5 joules	1,70 kg : 300 mm
IK 9 / 10 joules	5 kg : 200 mm
IK 10 / 20 joules	5 kg : 400 mm
IK 11 / 50 joules	10 kg : 500 mm
IK 11+ / 80 joules	10 kg : 800 mm
IK 11++ / 100 joules	15 kg : 800 mm
IK 11++ / 120 joules	20 kg : 800 mm
IK 11++ / 150 joules	25 kg : 800 mm

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PRODUCTS CLASSIFIED BY VK® RATING

Indice VK®							
21	Fila <sup>2</sup> Osmo Fila <sup>2</sup> Signage	Fila <sup>2</sup> Osmo Fila <sup>2</sup> Signage			Senspot	Fila <sup>2</sup> Fila <sup>2</sup> Signage	
22	Fila <sup>2</sup> (VRS)	Fila <sup>2</sup> (VRS)	Soffite			Fila <sup>2</sup> (VRS) Systeo Unit / S / Slim	Decade
25	Captain Effice (general lighting) Systeo Unit/ S / Slim Osmo vandal-resistant	Captain Effice (general lighting) Effice Corridor Effice Stairway Systeo Unit / S / Slim Osmo vandal-resistant					
26	Voila Voila Access Voila Start Voila Asymmetrical Voila Access Asymmetrical	Voila Voila Access Voila Start					
32					Vandal-resistant Senspot		
35	Bang Round / Square / Rectangle Bang Round / Square / Rectangle Access						
36	P600 A	Bang Round Bang Square Bang Rectangle		P600 E			
41	Fila	Fila				Fila	
42	Fila (-VRS)	Fila (-VRS)				Fila (-VRS)	
44	Casemate						
45	Titan Compact Aleane Aleane Asymmetrical Vauban A ASL Systeo S / Slim	Aleane Aleane Asymmetrical Systeo S / Slim	Systeo A45 Titan Compact Angle	Systeo E	Systeo E		
46	Borgo Borgo Prison Mini-Borgo Prison	Titan Compact Vauban A ASL		Titan Compact E Vauban E ESL Brikette	Titan Compact E		
65	Rondo / Rondino Rueda Aki / Akita Titan C95 Titan S3						
66		Rondo / Rondino Titan C95 Titan S3	Titan A45 / A30 Titan S2 Titan video CCTV	Rondo / Rondino* Rueda* Aki / Akita* Titan E Titan S4	Rondo / Rondino*		
75	Urbaline						
76		Urbaline	Urbaline				

\* flush-mounting version (option 9802)