Tools

Tools can be ordered separately at current prices.

Bit-holder (9800 0005)

Bit (code : 9800 0001, 9800 0002, 9800 0003, 9800 0004, 9800 0007, 9800 009, 9800 0012)

Screwing tool (9811 0010)
Screwing tool kit + 3 screws (9811 0001)
Screwing tool kit + 25 screws (9811 0002)

Special tool for Soffite (9800 0009)

FITTINGS	TOOL CODE	BIT
Aleane	9800 0004	Bit M6
ASL	9800 0004	Bit M6
Bang (round) / Bang (round) Access	9800 0003	Bit M5
Bang (square) / Bang (square) Access	9800 0003	Bit M5
Bang (rectangle) / Bang (rectangle) Access	9800 0003	Bit M5
Borgo	9800 0004	Bit M6
Brikette	9800 0004	Bit M6
Captain	9800 0003	Bit M5
Casemate	9800 0003	Bit M5
Effice	9800 0003	Bit M5
ESL	9800 0004	Bit M6
Enclume	9800 0002	Bit M4
Fila + accessories	9800 0007	Standard CHC screws
Mini-Borgo	9800 0004	Bit M6
Osmo	9811 0010 9811 0001 9811 0002	-
P600 (E / A)	9800 0004 for P600 A 9800 0002 for P600 E	Bit M4 (P600 E) Bit M6 (P600 A)
Rondino / Rondo	9800 0003	Bit M5
Vandal-resistant senspot	9800 0012	Bit M4
Soffite	9800 0009	Pince
Systeo	9800 0012 9800 0036	Bit M5 Bit M4
Titan (C95 / E / A30 / A45)	9800 0004	Bit M6
Titan Compact	9800 0003	Bit M5
Titan (S2 / S3 / S4)	9800 0004	Bit M6
Titan video CCTV	9800 0004	Bit M6
Urbaline	9800 0003	Bit M5
Vauban	9800 0004	Bit M6
Voila / Voila Access / Voila Asymetrical / Voila Access Asymetrical	9800 0003	Bit M5
Voila Start	9800 0003	Bit M5


SECURLITE
SENSPOT
4030043
13W LED
220-240 VAC 50-60HZ
IP65 IK10 CD

Standards

LUMINAIRE STANDARDS

Our products meet the CE marking according to the associated European directives, referring to the general lighting standard NF EN 60598-1 and its derivatives.
Testing is performed in our own laboratory and confirmed by independent European bodies like SGS.
The same applies to testing for impact resistance (IK) and for fire regulation compliance (650 °C to 850 C°).

INSTALLATION STANDARDS

In terms of product development, we face a double challenge: we must consider both luminaire standards and the standards relating to installations.
Taking both these aspects into account enables us to come up with reasonable, well-thought-out solutions.

↘ A - NF EN 12464-1 standard “Lighting of workplaces - indoor workplaces”

The European standard NF EN 12464-1 “Lighting of workplaces – indoor workplaces” defines the requirements relating to lighting in order that people’s visual tasks can be carried out under the proper conditions of performance, comfort, and safety.
The standard indicates average illuminance levels “to be maintained”. Discomfort glare (produced by shiny surfaces within the visual field) may arise directly or by reflection from luminaires or windows. It is determined by the unified glare rating, UGR.
The overall illuminance uniformity factor is the ratio of minimum illuminance (or minimum luminance) to average illuminance (or average luminance) within a zone under consideration. This factor is important in determining a level of visual comfort. It is necessary to balance the illuminance levels within a zone in order to obtain a uniformity of the luminances within the visual field.

INSTALLATION STANDARDS

↘ B - NF C 15-100 standard “Low-voltage electrical installation”

This standard, application of which is mandatory, defines the implementation of luminaires in fixed installations, together with the electrical supply to them.
The key aims of NF C 15-100: increase user safety, allow proper functioning of the electrical installations, and adapt to current needs (more domestic appliances and multimedia equipment: TVs, computers, etc.).
Installations concerned: the new NF C 15-100 standard applies to new buildings.
The new Amendment 5 to the NF C15-100 groups together the new standards provisions applicable to electrical installations in private residential premises.
These prescriptions apply to structures for which the planning application was filed after 27 November 2015.

Provisions relating to lighting in COMMUNAL AREAS:

The lighting installation in **COMMUNAL AREAS** of residential buildings is subject to the prescriptions of the accessibility regulations (Order dated 24 December 2015 relating to accessibility for new residential buildings), in particular concerning minimum illuminance values and the characteristics of the lighting control facilities.
The illuminance levels required for **COMMUNAL AREAS** are laid down in the accessibility regulations, in particular for outdoor circulation areas, horizontal indoor circulation areas, internal stairways in accessible **COMMUNAL AREAS**, and car parks.

Manual control facilities for COMMUNAL AREAS:

Manual lighting control devices located in outdoor circulation areas and in **COMMUNAL AREAS** must be:
- indicated by an illuminated indicator,
- positioned in accordance with the prescriptions of the accessibility regulations.

Automatic devices:
In the case of operation by presence detection, the provisions of the accessibility regulations must be applied.
Additional provisions for building entrances, stairways, access balconies, and corridors: lighting circuits for building entrances, stairways, access balconies, and corridors shall be controlled by a timer with a device allowing continuous operation or by an automatic device.

Where lighting is on a timer, it must be extinguished gradually. This requirement can be met, in particular, by a gradual reduction or by steps of illumination level, or by any other extinction warning system. One timer must not control a group of more than five floors.
In addition to the controls installed within each group, provision must be made for an additional control on the floors above and below each group, in order to allow them to be lit prior to accessing them.
The lighting for an access balcony or internal corridor may be controlled by the same timing device as for a stairway leading to it. However, if more than three luminaires are necessary for lighting an access balcony or internal corridor, a separate timing device is necessary.

INSTALLATION STANDARDS

↘ C - Order dated 20 April 2017 relating to accessibility for disabled persons in public-access buildings at time of building and facilities open to the public when being renovated.

Construction accessibility

Article 14
Provisions relating to lighting.
I. – Expected usage: the quality of the lighting, artificial or natural, for indoor and outdoor circulation areas shall be such that the whole of the route is covered without creating any visual discomfort. The parts of the route that may cause loss of balance for disabled persons, access facilities, and information provided by signs shall be subject to increased lighting quality.
II. - Minimum characteristics: in order to meet the requirements under I., the artificial lighting device shall satisfy the following characteristics:
It shall make it possible to ensure average horizontal illuminance values measured at floor level along the normal circulation route, allowing for transition zones between the sections of a route, of at least:

- **20 lux for accessible outdoor routes, together with outdoor car-parks and their accessible pedestrian circulation areas**
- **20 lux for indoor car-parks and their accessible pedestrian circulation areas**
- **200 lux at reception points or elements employed as such**
- **100 lux for indoor horizontal circulation areas**
- **150 lux for each staircase and mobile facility**

Where the operating time for a lighting system is on a timer, it shall extinguish gradually. In the case of operation by presence detection, the detection shall cover the whole of the space concerned, and two successive detection zones shall obligatorily overlap. The implementation of the lighting points shall avoid any effect of direct glare for both “standing” and “seated” users or reflections on signs.

INSTALLATION STANDARDS

↘ D - Order dated 8 December 2014 laying down the measures taken for the application of Articles R. 111-19-7 to R. 111-19-11 of the Building and Housing Code and Article 14 of Decree no. 2006-555 relating to accessibility for disabled persons in public-access buildings located within an existing structure and existing facilities open to the public.

Rehabilitation accessibility

Article 14
It shall make it possible to ensure average horizontal illuminance values measured at floor level along the normal circulation route, allowing for transition zones between the sections of a route, of at least:

- **20 lux for accessible outdoor routes, together with outdoor car-parks and their accessible pedestrian circulation areas**
- **20 lux for indoor car-parks and their accessible pedestrian circulation areas**
- **200 lux at reception points or elements employed as such**
- **100 lux for indoor horizontal circulation areas**
- **150 lux for each staircase and mobile facility**

Where the operating time for a lighting system is on a timer, it shall extinguish gradually. In the case of operation by presence detection, the detection shall cover the whole of the space concerned, and two successive detection zones shall obligatorily overlap. The implementation of the lighting points shall avoid any effect of direct glare for both “standing” and “seated” users or reflections on signs.

TO SUM UP, THE LIGHTING MUST BE CAREFULLY DESIGNED AND SUITABLE FOR YOUR NEEDS.

Securlite helps you build your projects. The notions of lighting design go well beyond simple lighting calculation, and your investments should be accompanied by overall consultancy: our sales advisors and technical support team are only too happy to help you arrive at the customized solution that will meet your needs.

Technical Guide

INDICES VK®

VK® vandal resistance rating

Indice VK®	1st position	2nd position	(3rd 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 3rd 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

The EN 62262 standard provides for a maximum resistance of IK11 = 50 joules.

Indice VK®							
21	Fila[2] Osmo Fila[2] Signage	Fila[2] Osmo Fila[2] Signage			Senspot	Fila[2] Fila[2] Signage	
22	Fila[2] (VRS)	Fila[2] (VRS)	Soffite			Fila[2] (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 Asymetrical Voila Access Asymetrical	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 Asymetrical Vauban A ASL Systeo S / Slim	Aleane Aleane Asymetrical 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)