



GENERAL CATALOG 2018

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| Un courant de confiance

GENERAL CATALOG 2018



Since 1975 INGELEC is the Arabic-African regional leader of electrical appliances. it gets over 70% market share in Morocco and above 40% in the French speaking countries in west Africa. INGELEC is now present in Europe, mainly in France, Benelux, Portugal and Greece. Its product portfolio covers 3 different market segment including : Residential, Industrial and tertiary sector.

INGELEC has wide range of products across of market, the catalogue contains more than 4000 references produced in millions of units every year. It had perfected making sockets and switches, lightening solutions, metal boxes, polyester boxes, data boxes and network cabinet. INGELEC's products are certified NF (French norm),VDE (German norm) and NM (Moroccan norm) ; it is also certified ISO 9001 version 2008. Regarding the factories it has 4 plants representing more than 70 000m², with 1100 employees entirely dedicated to quality and customer satisfaction.

INGELEC is a family company owned and managed by the SEKKAT GROUP which is also very active in electrical cable (IMACAB), laminated steel (MAGHREBSTEEL), plastic tubes (PLASTIMA) and HDMF doors (10 RAJEEB)



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LIGHTING

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EQUIPMENT



ALYANS

KENZI

ZENITH

TICHKA

TROPIC

10

30

40

48

58

■ ALYANS



ALYANS

ALYANS is an innovative collection of materials and colours, that blend in perfectly with any type of architecture. Available in 3 ranges :

MUST



PRIMA



CUBIC



These diverse ranges mean that you can install ALYANS everywhere. And no matter what colour your walls are, there's a shade to suit them.

ALYANS offers more than just simple switches and outlets. Discover all these new solutions to operate, control, regulate and programme all the electricity and multimedia in your home.

ALYANS MUST: High-quality materials to enhance interiors



Bois



Verre



Métal

ALYANS PRIMA : Vibrant, trendy colors



Rouge



Bleu



Gris



Gris métallisé



Gris foncé



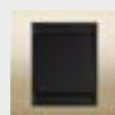
Blanc



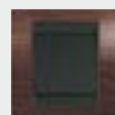
Marfil



Noir



Champagne



Marron boisé

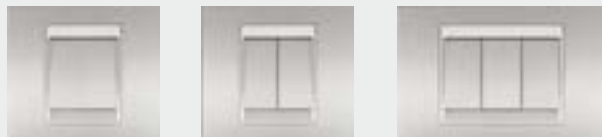
ALYANS CUBIC : A range suited to workspaces



ALYANS is available in :

- Italian standard, with 3, 4 and 6 modules.
- French standard, with 2, 3 and 4 gang horizontal cover frames, as well as 2 and 3 gang vertical cover frames (for ALYANS Prima).

Italian standard modular cover frames



1 module

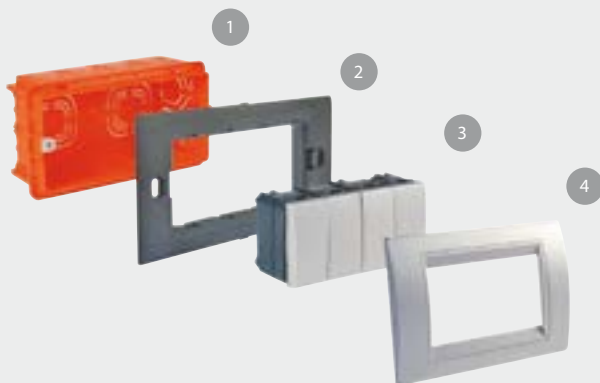
2 modules

3 modules



4 modules

6 modules



- 1- Installation box
- 2- Fixing frame
- 3- Module
- 4- Cover frame + decorative frame

French standard modular cover frames



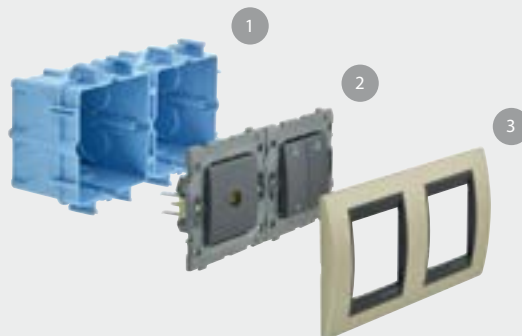
Horizontal 4 gang cover frame



Horizontal 2 gang cover frame



Vertical 3 gang cover frame

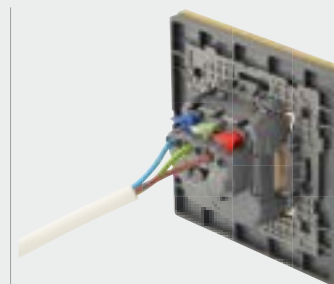


- 1- Installation box
- 2- Fixing frame + Module
- 3- Cover frame + decorative frame

Technical specifications :

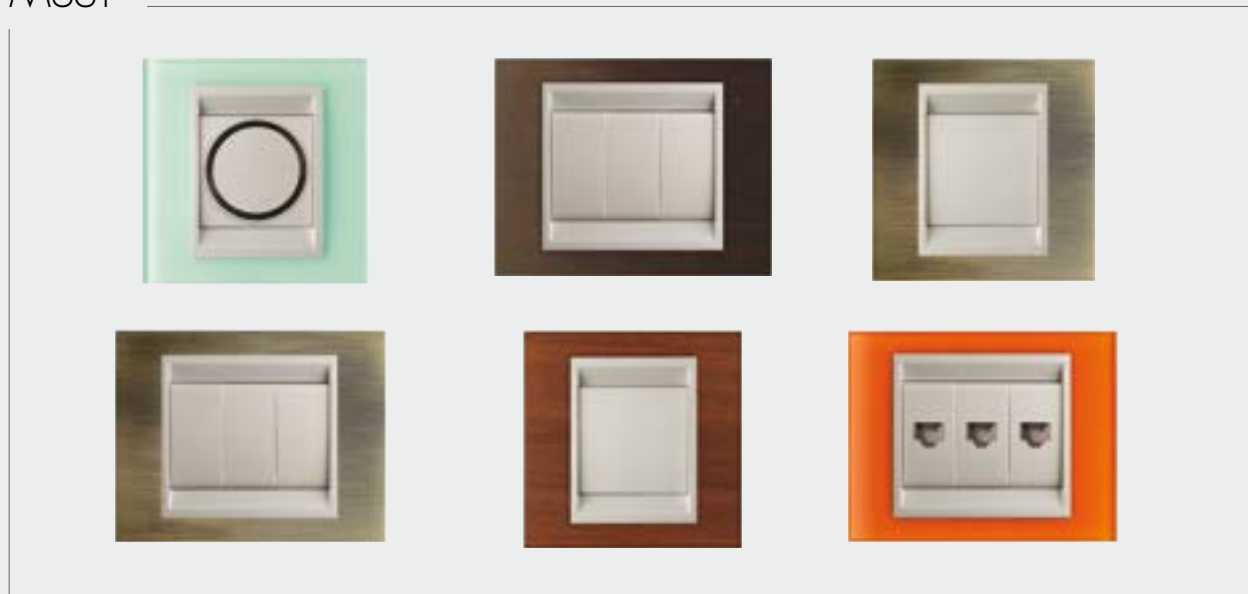
- Switches and push-buttons : Comply with standard : NF EN. 60669-1 / NM 06.6.001
- Screw terminal connection electrical sockets: comply with standard : NF C 61-314 / NM 06.6.012 / NF EN 60529
- Mechanisms comply with fire testing : 850°
- Plates : comply with fire testing at 650° and ball pressure test at 70°
- Screw or push-in terminal connection
- Fitting on installation boxes for 2, 3, 4 and 6 modules
- UV resistant

Push-in connection

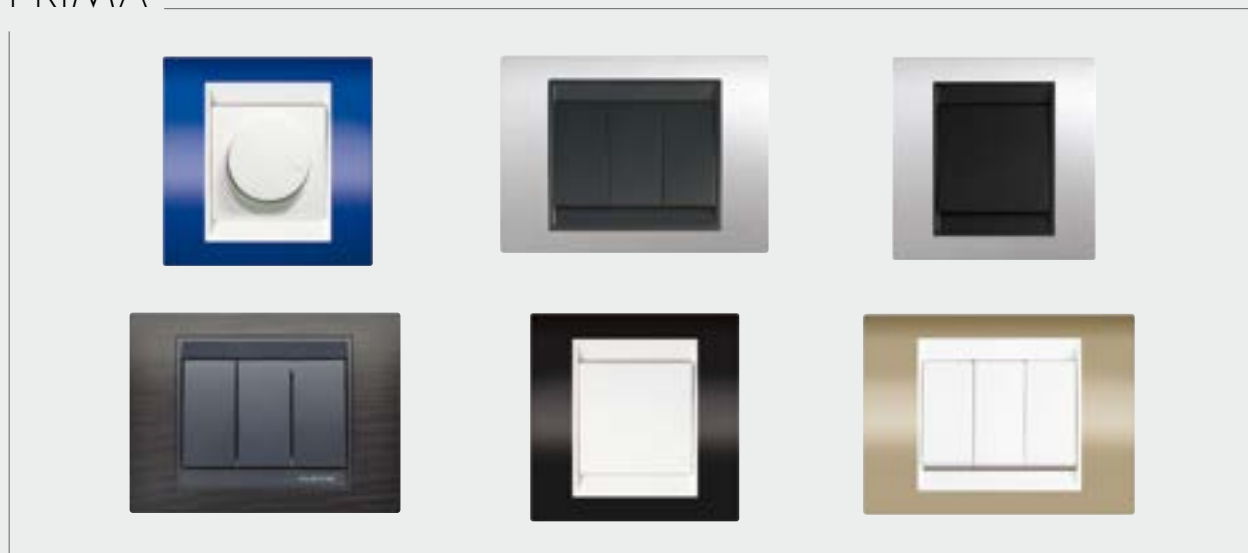


ALYANS Italian standard

MUST



PRIMA



CUBIC





M4909B



M5902/03G



M5914/51G



M5912/20A

PACK.	DESIGNATION	VISUAL	WHITE	MARFIL	GREY	ANTHRACITE
Switches & push buttons						
10/100	One way switch		M5912/10B	M5912/10M	M5912/10G	M5912/10A
10/100	Two-way switch		M5912/20B	M5912/20M	M5912/20G	M5912/20A
10/100	Illuminated one-way switch		M5912/23B	M5912/23M	M5912/23G	M5912/23A
10/100	One-way switch labelholder		M5912/25B	M5912/25M	M5912/25G	M5912/25A
10/100	Permutator		M5912/21B	M5912/21M	M5912/21G	M5912/21A
10/100	Roller shutter switch		M5912/66B	M5912/66M	M5912/66G	M5912/66A
10/100	Push-button switch for rolling shutter		M5912/56B	M5912/56M	M5912/56G	M5912/56A
10/100	VMC switch		M5912/24B	M5912/24M	M5912/24G	M5912/24A
10/100	Doorbell		M5912/50B	M5912/50M	M5912/50G	M5912/50A
10/100	Push button		M5912/51B	M5912/51M	M5912/51G	M5912/51A
10/100	Illuminated Push button		M5912/53B	M5912/53M	M5912/53G	M5912/53A
10/100	2 gang one-way switch		M5914/10B	M5914/10M	M5914/10G	M5914/10A
10/100	Dual push button		M5914/51B	M5914/51M	M5914/51G	M5914/51A
10/100	2 gang two-way switch		M5914/20B	M5914/20M	M5914/20G	M5914/20A
10/100	2 way switch + Push button		M5914/02B	M5914/02M	M5914/02G	M5914/02A
10/100	Round push button		M5902/00B	M5902/00M	M5902/00G	M5902/00A
10/100	Round illuminated push button		M5902/03B	M5902/03M	M5902/03G	M5902/03A
Computer sockets & Telephone						
10/100	French telephone socket		M4909B	M4909M	M4909G	M4909A
10/100	Single numeric socket RJ11 cat3		M4929/6B	M4929/6M	M4929/6G	M4929/6A
10/100	Single Data socket RJ45 cat5 UTP		M4929/7B	M4929/7M	M4929/7G	M4929/7A
10/100	Single Data socket RJ45 cat6 UTP		M4929/8B	M4929/8M	M4929/8G	M4929/8A
10/100	Single Data socket RJ45 cat6 FTP		M4929/9B	M4929/9M	M4929/9G	M4929/9A



M4906B



M4907/1B



M4907/2B

PACK.	DESIGNATION	VISUAL	WHITE	MARFIL	GREY	ANTHRACITE
Socket outlets						
10/100	French Type 2P socket with child protection		M4903B	M4903M	M4903G	M4903A
10/100	French Type 2P+E socket with child protection		M4906B	M4906M	M4906G	M4906A
10/100	Universal socket		M4904B	M4904M	M4904G	M4904A
10/100	Schuko type 2P+E		M4904/20B	M4904/20M	M4904/20G	M4904/20A
10/100	Cable outlet cover		M4903/22B	M4903/22M	M4903/22G	M4903/22A
Socket MEDIA						
10/100	TV socket		M4907B	M4907M	M4907G	M4907A
10/100	Shielded TV socket		M4907/1B	M4907/1M	M4907/1G	M4907/1A
10/100	F-type TV socket		M4907/4B	M4907/4M	M4907/4G	M4907/4A
10/100	SAT - TV -RD socket		M4907/3B	M4907/3M	M4907/3G	M4907/3A
10/100	TV-RD socket		M4907/2B	M4907/2M	M4907/2G	M4907/2A
10/100	SAT- TV socket		M4907/6B	M4907/6M	M4907/6G	M4907/6A
10/100	Loudspeaker socket		M4909/40B	M4909/40M	M4909/40G	M4909/40A
Comfort functions						
1/20	Rotary dimmer		M5902/30B	M5902/30M	M5902/30G	M5902/30A
1/20	One way switch delay		M5902/12B	M5902/12M	M5902/12G	M5902/12A
1/20	Motion detector		M5902/80B	M5902/80M	M5902/80G	M5902/80A



M4909/8B



M5901/70G



M5911/23M



M4903/10A

PACK.	DESIGNATION	VISUAL	WHITE	MARFIL	GREY	ANTHRACITE
Switches & push buttons						
10/100	One-way push button		M5911/10B	M5911/10M	M5911/10G	M5911/10A
10/100	Two-way switch		M5911/20B	M5911/20M	M5911/20G	M5911/20A
10/100	1 way push butto with locator		M5911/23B	M5911/23M	M5911/23G	M5911/23A
10/100	1 way switch with label holder		M5911/25B	M5911/25M	M5911/25G	M5911/25A
10/100	VMC speed switch screwless		M5911/24B	M5911/24M	M5911/24G	M5911/24A
10/100	Push rocker		M5911/50B	M5911/50M	M5911/50G	M5911/50A
10/100	1way push button with no bell symbol		M5911/51B	M5911/51M	M5911/51G	M5911/51A
10/100	1way push button with locator		M5911/53B	M5911/53M	M5911/53G	M5911/53A
Electrical socket						
10/100	Italian socket		M4903/10B	M4903/10M	M4903/10G	M4903/10A
10/100	Shutter		M4903/20B	M4903/20M	M4903/20G	M4903/20A
10/100	Cable outlet with knockouts		M4903/21B	M4903/21M	M4903/21G	M4903/21A
Computer sockets & Telephone						
10/100	Phone socket tel RJ12 cat3		M4909/6B	M4909/6M	M4909/6G	M4909/6A
10/100	Data socket cat5 UTP		M4909/7B	M4909/7M	M4909/7G	M4909/7A
10/100	Data socket cat6 UTP		M4909/8B	M4909/8M	M4909/8G	M4909/8A
10/100	Data socket cat6 FTP		M4909/9B	M4909/9M	M4909/9G	M4909/9A
1/20	Fibre optic socket		M4909/10B	M4909/10M	M4909/10G	M4909/10A
Comfort functions						
1/20	Touch switch		M5901/70B	M5901/70M	M5901/70G	M5901/70A
1/20	Touch dimmer		M5901/80B	M5901/80M	M5901/80G	M5901/80A
1/20	Step relay		M5901/22B	M5901/22M	M5901/22G	M5901/22A
1/20	Triple RCA socket		M5901/50B	M5901/50M	M5901/50G	M5901/20A



P1222G



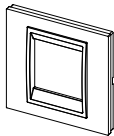
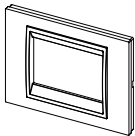
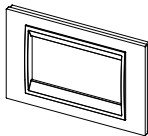
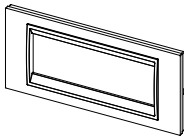
P1311A



P1433A



P1612A

DESIGNATION		SIMPLE	3 MODULES	4 MODULES	6 MODULES
Plates with grey cornices *					
Must Aluminium					
Aluminium		P1230G	P1330G	P1430G	P1630G
Must wood					
Wengue wood		P1210G	P1310G	P1410G	P1610G
Walnut wood		P1211G	P1311G	P1411G	P1611G
Cherry wood		P1212G	P1312G	P1412G	P1612G
Must glass					
Green glass		P1221G	P1321G	P1421G	P1621G
Orange glass		P1222G	P1322G	P1422G	P1622G
Black glass		P1223G	P1323G	P1423G	P1623G
Must brass					
Bronze		P1233G	P1333G	P1433G	P1633G

(*) For references plates with cornice GREY replace G by A.



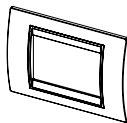
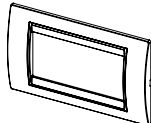
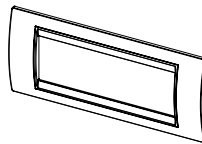
P3331A



P2420A



P2623G

DESIGNATION		3 MODULES	4 MODULES	6 MODULES
				
Prima Classical				
White		P2341B	P2441B	P2641B
Marfil		P2340M	P2440M	P2640M
Prima Color - White cornice				
Blue		P2310B	P2410B	P2610B
Red		P2312B	P2412B	P2612B
Black		P2314B	P2414B	P2614B
Prima Design - Anthracite cornice				
Light grey		P2320A	P2420A	P2620A
Metallic grey		P2321A	P2421A	P2621A
Champagne		P2323A	P2423A	P2623A
Heather grey		P2330A	P2430A	P2630A
Wooded Brown		P2331A	P2431A	P2631A

* To obtain the reference of the desired color of the cornice, please modify the last letter of the reference as following :

B : for white cornice

G : for grey cornice

A : for Anthracite cornice

ALYANS French standard

PRIMA





M5912/56BS



M4929/6AS



M5912/10MS



M5902/03BS

PACK.	DESIGNATION	VISUAL	WHITE	MARFIL	GREY	ANTHRACITE
Switches & push buttons						
10/100	One way switch + support frame support frame		M5912/10BS	M5912/10MS	M5912/10GS	M5912/10AS
10/100	Two-way switch + support frame support frame		M5912/20BS	M5912/20MS	M5912/20GS	M5912/20AS
10/100	Illuminated one-way switch + support frame		M5912/23BS	M5912/23MS	M5912/23GS	M5912/23AS
10/100	One-way switch labelholder + support frame		M5912/25BS	M5912/25MS	M5912/25GS	M5912/25AS
10/100	Permutator + support frame		M5912/21BS	M5912/21MS	M5912/21GS	M5912/21AS
10/100	Roller shutter switch + support frame		M5912/66BS	M5912/66MS	M5912/66GS	M5912/66AS
10/100	Push-button switch for rolling shutter + support frame		M5912/56BS	M5912/56MS	M5912/56GS	M5912/56AS
10/100	VMC switch + support frame		M5912/24BS	M5912/24MS	M5912/24GS	M5912/24AS
10/100	Doorbell + support frame		M5912/50BS	M5912/50MS	M5912/50GS	M5912/50AS
10/100	Push button + support frame		M5912/51BS	M5912/51MS	M5912/51GS	M5912/51AS
10/100	Illuminated Push button + support frame		M5912/53BS	M5912/53MS	M5912/53GS	M5912/53AS
10/100	2 gang one-way switch + support frame		M5914/10BS	M5914/10MS	M5914/10GS	M5914/10AS
10/100	Dual push button + support frame		M5914/51BS	M5914/51MS	M5914/51GS	M5914/51AS
10/100	2 gang two-way switch + support frame		M5914/20BS	M5914/20MS	M5914/20GS	M5914/20AS
10/100	2 way switch + support frame Push button + support frame		M5914/02BS	M5914/02MS	M5914/02GS	M5914/02AS
10/100	Round push button + support frame		M5902/00BS	M5902/00MS	M5902/00GS	M5902/00AS
10/100	Round illuminated push button + support frame		M5902/03BS	M5902/03MS	M5902/03GS	M5902/03AS
Computer sockets & Telephone						
10/100	French telephone socket + support frame		M4909BS	M4909MS	M4909GS	M4909AS
10/100	Single numeric socket RJ11 cat3 + support frame		M4929/6BS	M4929/6MS	M4929/6GS	M4929/6AS
10/100	Single Data socket RJ45 cat5 UTP + support frame		M4929/7BS	M4929/7MS	M4929/7GS	M4929/7AS
10/100	Single Data socket RJ45 cat6 UTP + support frame		M4929/8BS	M4929/8MS	M4929/8GS	M4929/8AS
10/100	Single Data socket RJ45 cat6 FTP + support frame		M4929/9BS	M4929/9MS	M4929/9GS	M4929/9AS



M4906BS



M5902/30AS



M5902/80BS

PACK.	DESIGNATION	VISUAL	WHITE	MARFIL	GREY	ANTHRACITE
Socket outlets						
10/100	French Type 2P socket with child protection + support frame		M4903BS	M4903MS	M4903GS	M4903AS
10/100	French Type 2P+E socket with child protection + support frame		M4906BS	M4906MS	M4906GS	M4906AS
10/100	Universal socket + support frame		M4903/22BS	M4903/22MS	M4903/22GS	M4903/22AS
10/100	Shucko Type 2p+E socket + support frame		M4904/20BS	M4904/20MS	M4904/20GS	M4904/20AS
10/100	Cable outlet cover + support frame		M4903/22BS	M4903/22MS	M4903/22GS	M4903/22AS
Socket MEDIA						
10/100	TV socket + support frame support frame		M4907BS	M4907MS	M4907GS	M4907AS
10/100	Shielded TV socket + support frame		M4907/1BS	M4907/1MS	M4907/1GS	M4907/1AS
10/100	F-type TV socket + support frame		M4907/4BS	M4907/4MS	M4907/4GS	M4907/4AS
10/100	SAT - TV -RD socket + support frame		M4907/3BS	M4907/3MS	M4907/3GS	M4907/3AS
10/100	TV-RD socket + support frame		M4907/2BS	M4907/2MS	M4907/2GS	M4907/2AS
10/100	SAT- TV socket + support frame		M4907/6BS	M4907/6MS	M4907/6GS	M4907/6AS
10/100	Loudspeaker socket + support frame		M4909/40BS	M4909/40MS	M4909/40GS	M4909/40AS
Comfort functions						
1/20	Rotary dimmer + support frame		M5902/30BS	M5902/30MS	M5902/30GS	M5902/30AS
1/20	One way switch delay + support frame		M5902/12BS	M5902/12MS	M5902/12GS	M5902/12AS
1/20	Motion detector + support frame		M5902/80BS	M5902/80MS	M5902/80GS	M5902/80AS



M4909/8B



M5901/70G



M4903/10A

PACK.	DESIGNATION	VISUAL	WHITE	MARFIL	GREY	ANTHRACITE
Electrical socket & computer sockets						
10/100	Italian socket + support frame		M4903/10B	M4903/10M	M4903/10G	M4903/10A
10/100	Shutter + support frame		M4903/20B	M4903/20M	M4903/20G	M4903/20A
10/100	Cable outlet with knockouts + support frame		M4903/21B	M4903/21M	M4903/21G	M4903/21A
1/20	Fibre optic socket + support frame		M4909/10B	M4909/10M	M4909/10G	M4909/10A
Comfort functions						
1/20	Touch switch + support frame		M5901/70B	M5901/70M	M5901/70G	M5901/70A
1/20	Touch dimmer + support frame		M5901/80B	M5901/80M	M5901/80G	M5901/80A
1/20	Step relay + support frame		M5901/22B	M5901/22M	M5901/22G	M5901/22A
1/20	Triple RCA socket + support frame		M5901/50B	M5901/50M	M5901/50G	M5901/50A



P2213B



P2120B



P2524G

DESIGNATION		ONE GANG FRAME	HORIZONTAL PLATE 2X2 MODULES	VERTICAL PLATE 2X2 MODULES	HORIZONTAL PLATE 3X3 MODULES	VERTICAL PLATE 3X3 MODULES	HORIZONTAL PLATE 4X4 MODULES
Prima Classical							
White		P2241B	P2141B	P2841B	P2541B	P2941B	P2741B
Marfil		P2240M	P2140M	P2840M	P2540M	P2940M	P2740M
Prima Color - White cornice							
Blue		P2210B	P2110B	P2810B	P2510B	P2910B	P2713B
Black		P2212B	P2112B	P2812B	P2512B	P2912B	P2712B
Red		P2214B	P2114B	P2814B	P2514B	P2914B	P2714B
Prima Design - Anthracite cornice							
Light grey		P2220G	P2120G	P2820G	P2520G	P2920G	P2720G
Metallic grey		P2221G	P2121G	P2821G	P2521G	P2922G	P2721G
Champagne		P2223G	P2123G	P2823G	P2523G	P2923G	P2723G
Heather grey		P2230G	P2130G	P2830G	P2530G	P2930G	P2730G
Wooded Brown		P2231G	P2131G	P2831G	P2531G	P2931G	P2731G

* To obtain the reference of the desired color of the cornice, please modify the last letter of the reference as following :

B : for white cornice

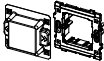
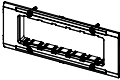
G : for grey cornice

A : for Anthracite cornice

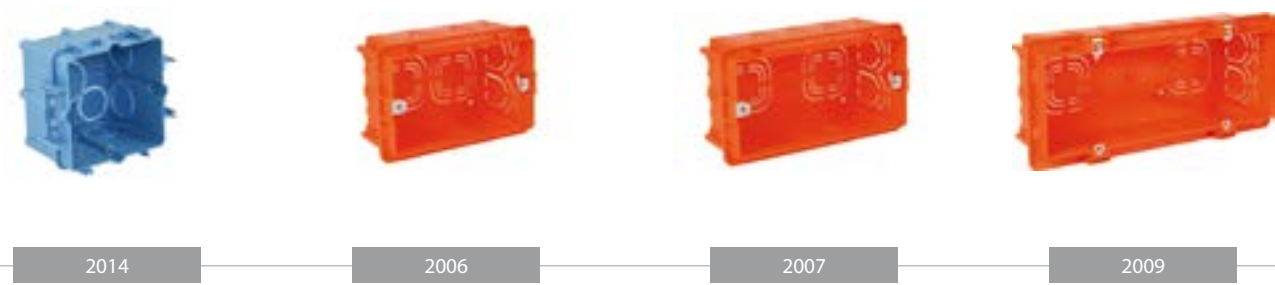


Technical specifications

- Can be mounted by claw or screw fixing on square or round flush – mounting boxes for ref S1M22S or S2M22S and standard Italian flush – mounting boxes for S3M22S, S4M22S and S6M22S
- Supplied with a protective cover for the ref.S2M22S

PACK.	DESIGNATION		REFERENCE
100	Support frame 1 module		S1M225
100	Support frame 2 modules 22,5/ 1M 45		S2M225
50	Support frame 3 modules		S3M225
50	Support frame 4 modules		S4M225
20	Support frame 6 modules		S6M225





Technical specifications

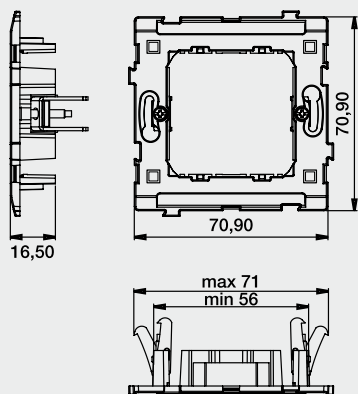
For mounting equipment using screws for 1 gang or 2, 3, 4 and 6 modules

PACK.	DESIGNATION	REFERENCE
60	Flush-mounting square box for 1 gang or 2 modules 60x60x40	2014
50	Flush-mounting Box for 3 modules 96x59x48	2006
50	Flush-mounting Box for 4 modules 121x59x48	2007
50	Flush-mounting Box for 6 modules 174x59x48	2009

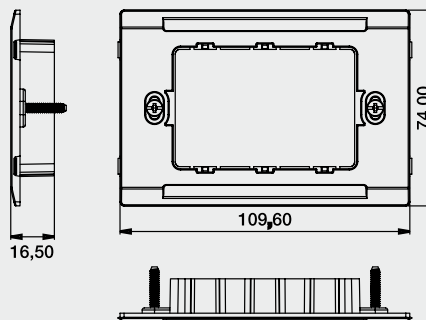


Technical drawings

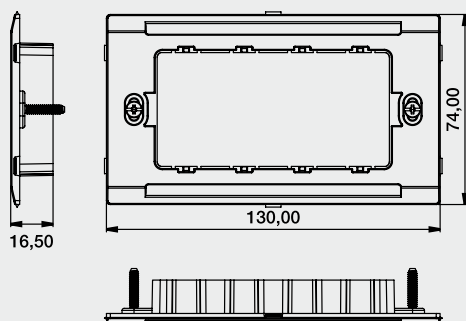
Supports Alyans



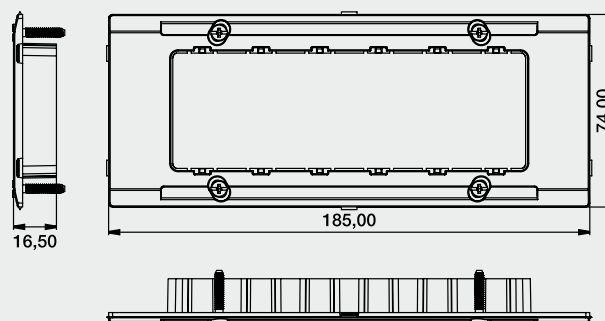
S2M225
Support frame 2 modules 22.5



S3M225
Support frame 3 modules 22.5

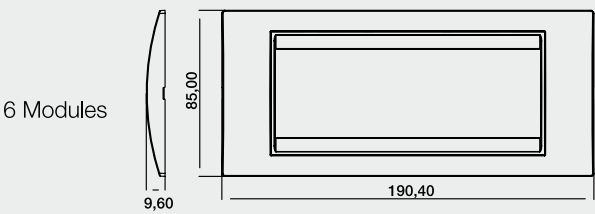
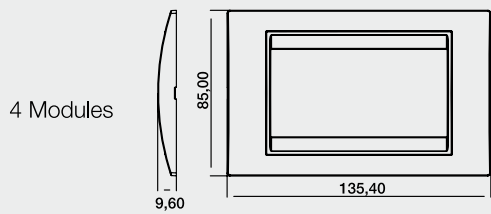
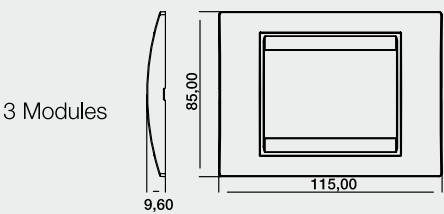
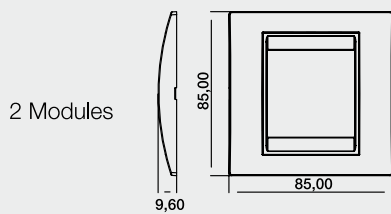
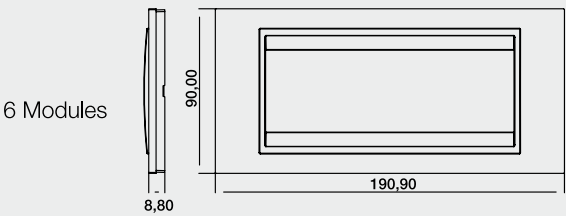
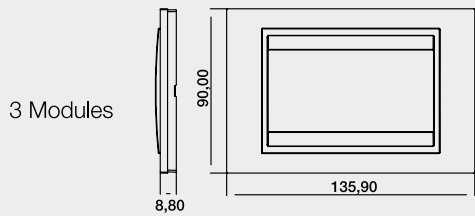
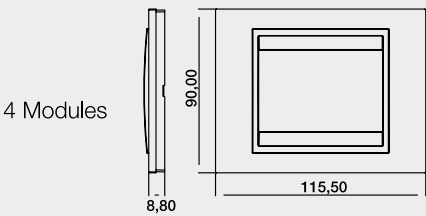
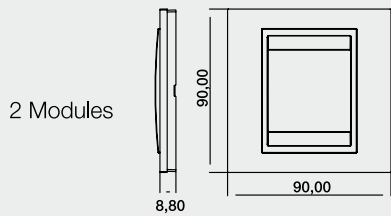


S4M225
Support frame 4 modules 22.5

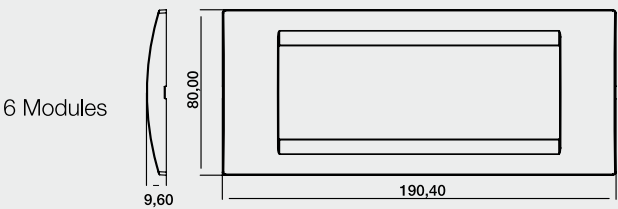
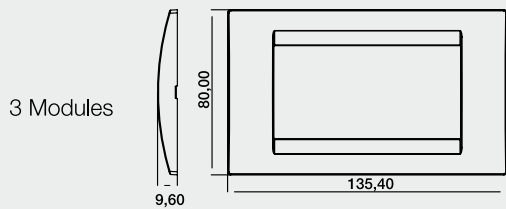
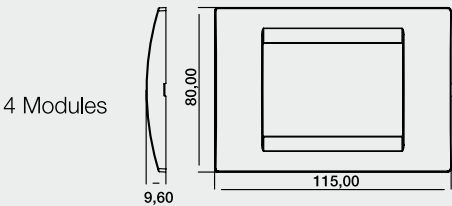
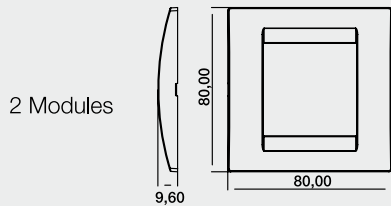


S6M225
Support frame 6 modules 22.5

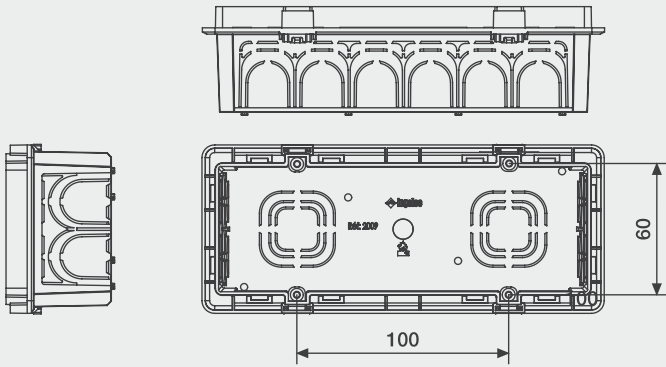
Alyans MUST - Italian standard plates



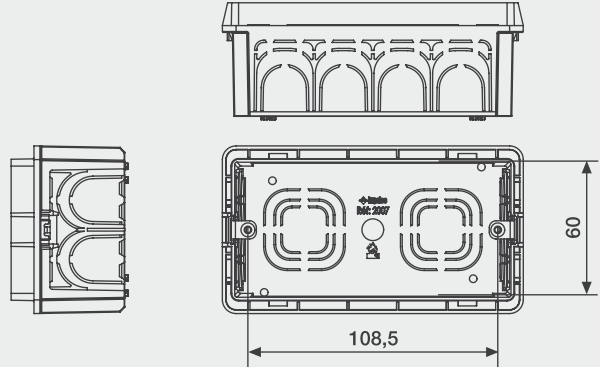
Alyans CUBIC - Italian standard plates



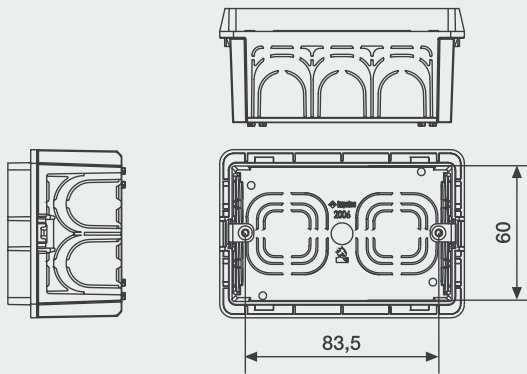
Alyans - Flush-mounting Boxes



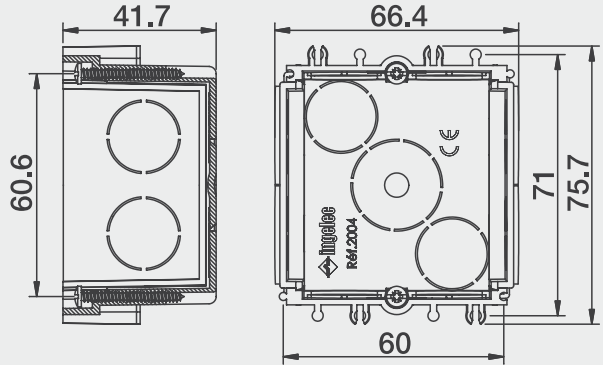
Ref. 2009
Box 6 modules 190x97x50



Ref. 2007
Box 4 modules 190x97x50

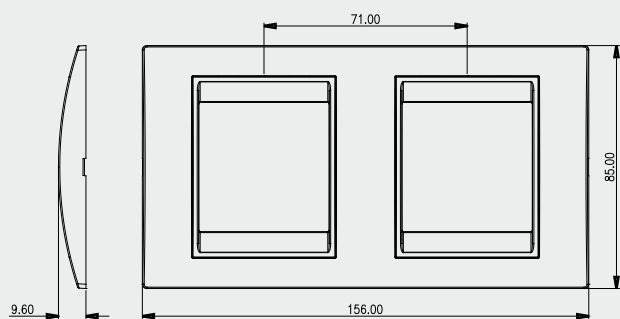


Ref. 2006
Box 3 modules 190x97x50

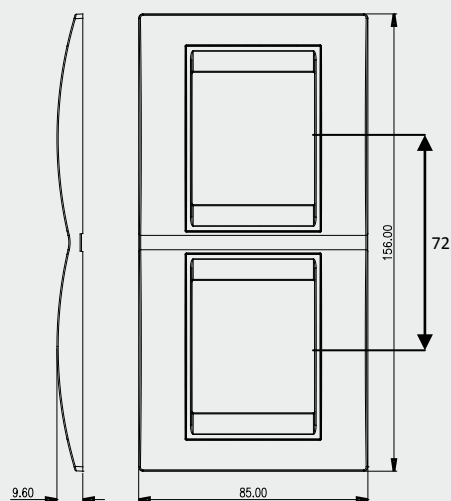


Ref. 2007
Box 2 modules 190x97x50

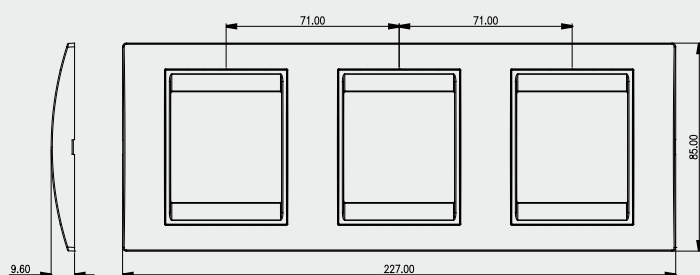
Alyans PRIMA – French standard plates



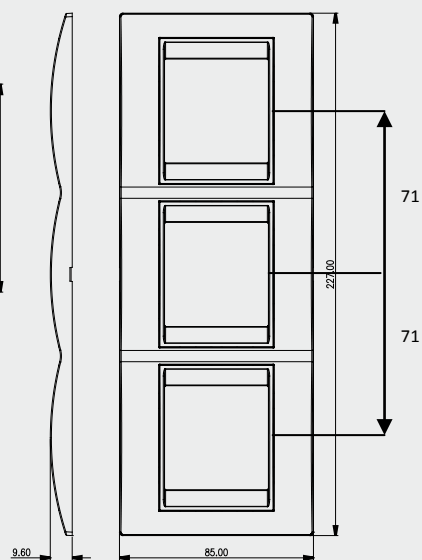
Horizontal plate 2x2 modules



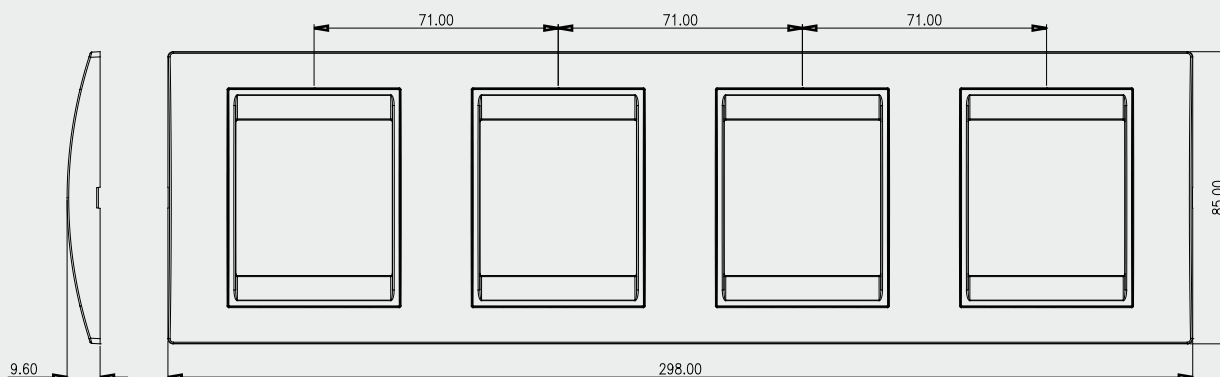
Vertical plate 2x2 modules



Horizontal plate 3x3 modules



Vertical plate 3x3 modules



Horizontal plate 4x4 modules

KENZI



4 Reasons to choose Kenzi

1. The modern and distinguished design



Its shapely profile is the result of the delicate balance between the refined cover frame and the ample switches. The decorative frame provides more choice for customisation.

Its curves ensure that it is flush against the wall, giving it a perfect finish and plenty of character.

Modular frames are available in 1, 2, 3 and 4 gang for multiple, elegant fittings.

2. The choice of colours

- Available in 4 trendy colours, White, Brown, Grey and Ivory, to match different styles of decoration, ranging from modern to classic.



BROWN



WHITE



GREY



IVORY

- The decorative frames come in 10 colours so let your imagination run wild



3. Easy installation

Designed to be easy and practical to fit thanks to :

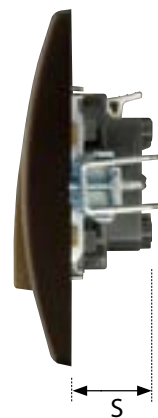
- 1/ A screw terminal connection
- 2/ A robust multi-purpose metal fixing frame that can be fitted to the wall or drywall with claws or screws, and that has joining units for elegant, multiple fittings
- 3/ A reduced and improved size of the mechanism to ensure compatibility with all types of installation boxes



1 Screw terminal connection



2 Metal fixing frame



3 Reduced size

4. Simple order management

Available in 2 different formats to facilitate management of orders and stock.

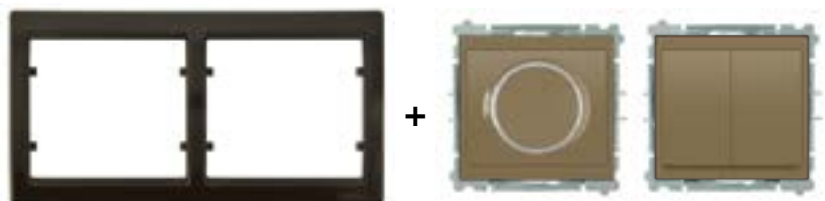
1/ Assembled offer : One reference for the complete product

2/ Modular offer :

- One reference for the "Fixing frame + Mechanism + Switch or rocker + Decorative frame"
- One reference for the cover frame



1 Assembled offer



2 Modular offer



5501/10M



5501/00M



4509/4M



4503/22M

PACK.	REF. BROWN	VISUAL	DESIGNATION
Switch & Push buttons			
10/100	5511/10M		One-way switch
10/100	5512/10M		2 gang - one way switch
10/100	5511/20M		Two-way switch
10/100	5512/20M		2 gang - two-way switch
10/100	5511/21M		Permutator switch
10/100	5511/23M		Two-way switch
10/100	5511/50M		Push- button
10/100	5511/51M		Push- button with no bell symbol
10/100	5511/53M		Push- button with locator
10/100	5512/56M		Changeover switch
10/100	5512/66M		Switch with mechanical interlock
10/100	5501/00M		Round push button
10/100	5501/03M		Round push button with locator
Electrical outlets			
10/100	4503M		2P Socket outlet with child protection
10/100	4506M		2P+E French standard socket outlet
10/100	4503/20M		Release wire
10/100	4523/20M		Two release wire
10/100	4503/22M		Lateral release wire
Media socket			
10/100	4507M		Tv socket
1/8	4507/6M		TV-SAT socket
10/100	4507/8M		TV socket "F" type with screws
Computer sockets & Telephone			
10/100	4509M		French standard phone
10/100	4509/7M		PHONE/INFO RJ45 socket Cat5 UTP
10/100	4529/7M		Double data socket. RJ45 Cat.5 UTP
10/100	4509/6M		Telephone socket 3 lines
10/100	4509/8M		Info RJ45 socket Cat.6 UTP
10/100	4529/8M		Double data socket. RJ45 Cat.5 UTP
Comfort function			
1/8	5501/30M		Rotary dimmer (500w)
1/8	5502/40M		Key cards switch



4507A



4506A



5502/56A



4503A

PACK.	REF. WHITE	VISUAL	DESIGNATION
Switch & Push buttons			
10/100	5511/10A		One-way switch
10/100	5512/10A		2 gang - one way switch
10/100	5511/20A		Two-way switch
10/100	5512/20A		2 gang - two-way switch
10/100	5511/21A		Permutator switch
10/100	5511/23A		Two-way switch
10/100	5511/50A		Push- button
10/100	5511/51A		Push- button with no bell symbol
10/100	5511/53A		Push- button with locator
10/100	5512/56A		Changeover switch
10/100	5512/66A		Switch with mechanical interlock
10/100	5501/00A		Round push button
10/100	5501/03A		Round push button with locator
Electrical outlets			
10/100	4503A		2P Socket outlet with child protection
10/100	4506A		2P+E French standard socket outlet
10/100	4503/20A		Release wire
10/100	4523/20A		Two release wire
10/100	4503/22A		Lateral release wire
Media socket			
10/100	4507A		Tv socket
1/8	4507/6A		TV-SAT socket
10/100	4507/8A		TV socket "F" type with screws
Computer sockets & Telephone			
10/100	4509A		French standard phone
10/100	4509/7A		PHONE/INFO RJ45 socket Cat5 UTP
10/100	4529/7A		Double data socket. RJ45 Cat.5 UTP
10/100	4509/4A		Telephone socket 3 lines
10/100	4509/8A		Info RJ45 socket Cat.6 UTP
10/100	4529/8A		Double data socket. RJ45 Cat.5 UTP
Comfort function			
1/8	5501/30A		Rotary dimmer (500w)
1/8	5502/40A		Key cards switch



4523/20G



5502/66G



5501/10G



5501/50G

PACK.	REF. GREY	VISUAL	DESIGNATION
Switch & Push buttons			
10/100	5511/10G		One-way switch
10/100	5512/10G		2 gang - one way switch
10/100	5511/20G		Two-way switch
10/100	5512/20G		2 gang - two-way switch
10/100	5511/21G		Permutator switch
10/100	5511/23G		Two-way switch
10/100	5511/50G		Push- button
10/100	5511/51G		Push- button with no bell symbol
10/100	5511/53G		Push- button with locator
10/100	5512/56G		Changeover switch
10/100	5512/66G		Switch with mechanical interlock
10/100	5501/00G		Round push button
10/100	5501/03G		Round push button with locator
Electrical outlets			
10/100	4503G		2P Socket outlet with child protection
10/100	4506G		2P+E French standard socket outlet
10/100	4503/20G		Release wire
10/100	4523/20G		Two release wire
10/100	4503/22G		Lateral release wire
Media socket			
10/100	4507G		Tv socket
1/8	4507/6G		TV-SAT socket
10/100	4507/8G		TV socket "F" type with screws
Computer sockets & Telephone			
10/100	4509G		French standard phone
10/100	4509/7G		PHONE/INFO RJ45 socket Cat5 UTP
10/100	4529/7G		Double data socket. RJ45 Cat.5 UTP
10/100	4509/4G		Telephone socket 3 lines
10/100	4509/8G		Info RJ45 socket Cat.6 UTP
10/100	4529/8G		Double data socket. RJ45 Cat.5 UTP
Comfort function			
1/8	5501/30G		Rotary dimmer (500w)
1/8	5502/40G		Key cards switch



4507/8R



4506R



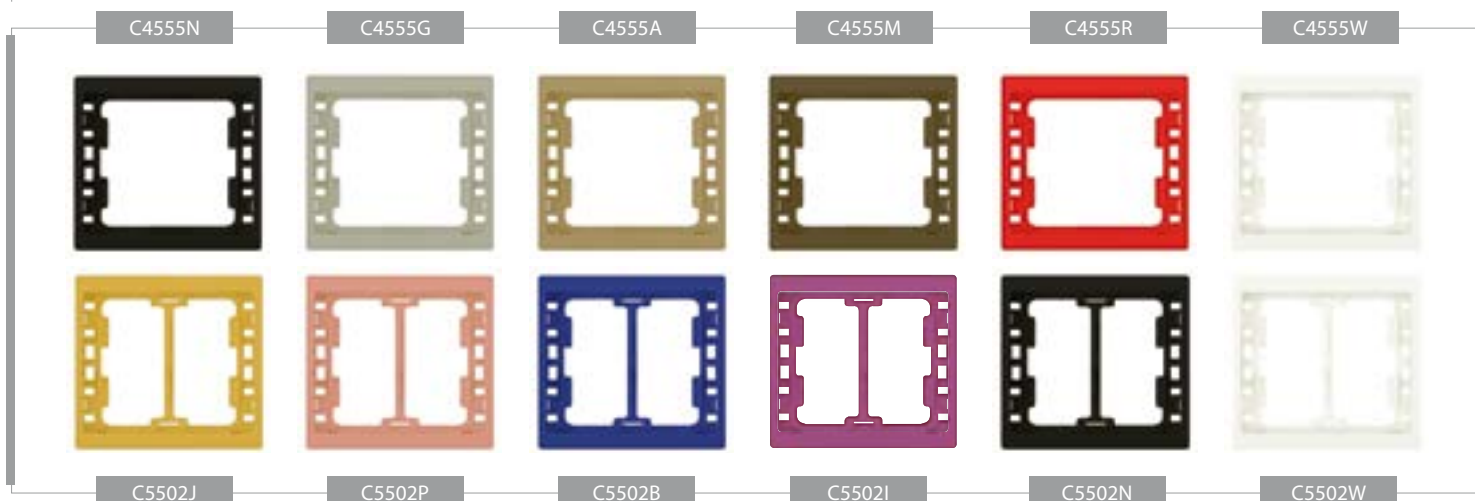
5511/10R



4503R

PACK.	REF. MARFIL	VISUAL	DESIGNATION
Switch & Push buttons			
10/100	5511/10R		One-way switch
10/100	5512/10R		2 gang - one way switch
10/100	5511/20R		Two-way switch
10/100	5512/20R		2 gang - two-way switch
10/100	5511/21R		Permutator switch
10/100	5511/23R		Two-way switch
10/100	5511/50R		Push- button
10/100	5511/51R		Push- button with no bell symbol
10/100	5511/53R		Push- button with locator
10/100	5512/56R		Changeover switch
10/100	5512/66R		Switch with mechanical interlock
10/100	5501/00R		Round push button
10/100	5501/03R		Round push button with locator
Electrical outlets			
10/100	4503R		2P Socket outlet with child protection
10/100	4506R		2P+E French standard socket outlet
10/100	4503/20R		Release wire
10/100	4523/20R		Two release wire
10/100	4503/22R		Lateral release wire
Media socket			
10/100	4507R		Tv socket
1/8	4507/6R		TV-SAT socket
10/100	4507/8R		TV socket "F" type with screws
Computer sockets & Telephone			
10/100	4509R		French standard phone
10/100	4509/7R		PHONE/INFO RJ45 socket Cat5 UTP
10/100	4529/7R		Double data socket. RJ45 Cat.5 UTP
10/100	4509/6R		Telephone socket 3 lines
10/100	4509/8R		Info RJ45 socket Cat.6 UTP
10/100	4529/8R		Double data socket. RJ45 Cat.5 UTP
Comfort function			
1/8	5501/30R		Rotary dimmer (500w)
1/8	5512/40R		Key cards switch

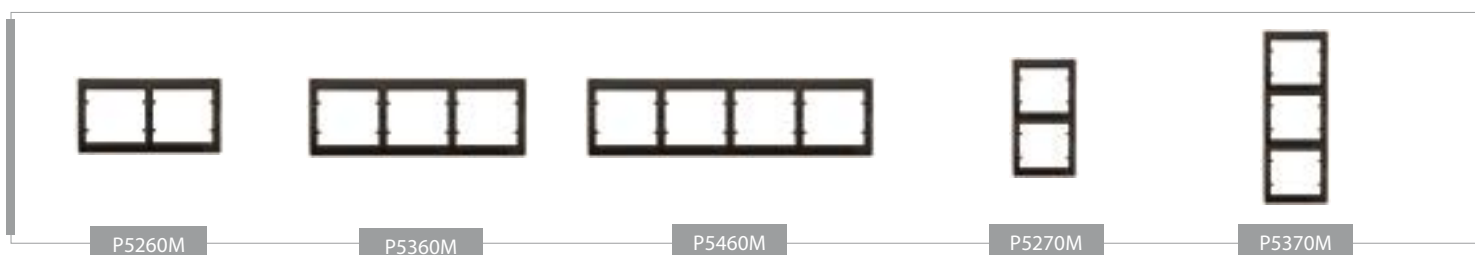
Cornices



PACK.	REF. SIMPLE	VISUAL	REF. DOUBLE*	VISUAL	DESIGNATION
Cornices					
20/80	C4555R		C5502R		Red cornice
20/80	C4555B		C5502B		blue cornice
20/80	C4555J		C5502J		Yellow cornice
20/80	C4555N		C5502N		Black cornice
20/80	C4555I		C5502I		Purple cornice
20/80	C4555P		C5502P		Pink cornice
20/80	C4555A		C5502A		Marfil cornice
20/80	C4555G		C5502G		Grey cornice
20/80	C4555M		C5502M		Brown cornice
20/80	C4555W		C5502W		White cornice

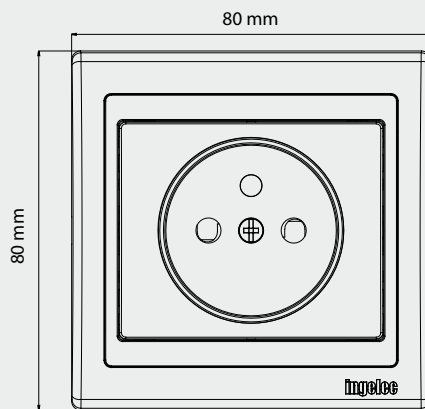
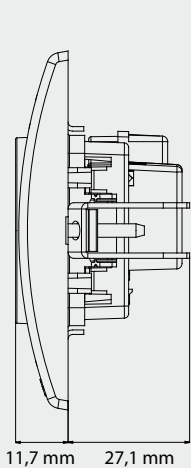
* Cornices dedicated to double switches and pushers

Modular Plates

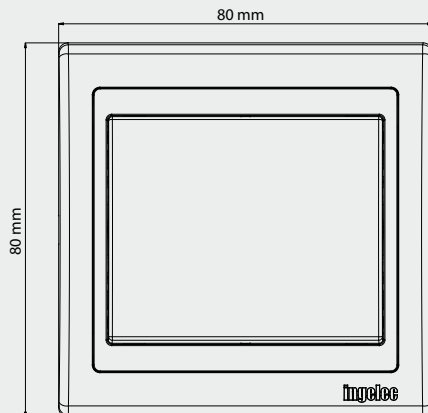
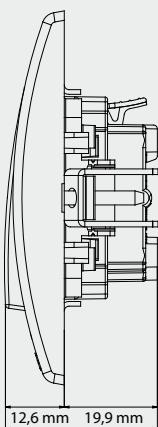


PACK.	DESIGNATION	REF. BROWN	REF. WHITE	REF. GREY	REF. MARFIL
Plates					
40/200	Plate 1 Hole	P5160M	P5160A	P5160G	P5160R
20/100	Horizontal plate 2x2 modules	P5260M	P5260A	P5260G	P5260R
20/100	Horizontal plate 3x3 modules	P5360M	P5360A	P5360G	P5360R
10/100	Horizontal plate 4x4 modules	P5460M	P5460A	P5460G	P5460R
20/100	Vertical plate 2x2 modules	P5270M	P5270A	P5270G	P5270R
20/100	Vertical plate 3x3 modules	P5370M	P5370A	P5370G	P5370R

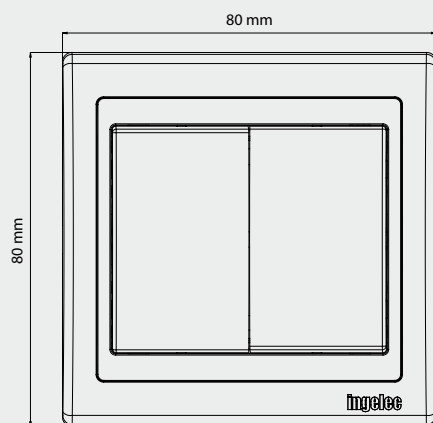
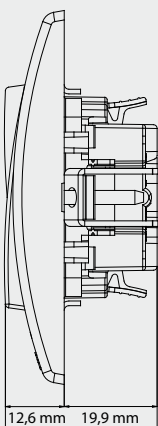
Technical drawings



2P+E French standard
socket outlet

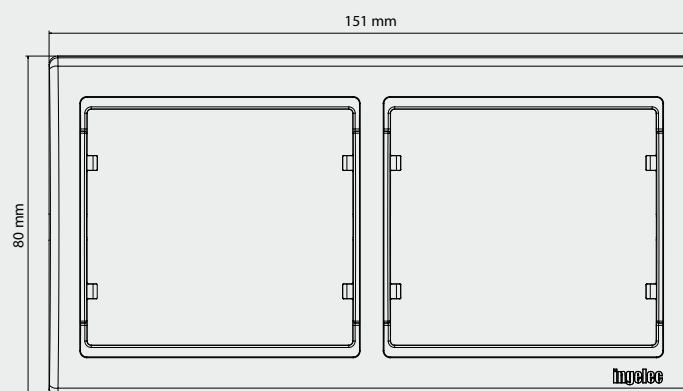


One-way switch

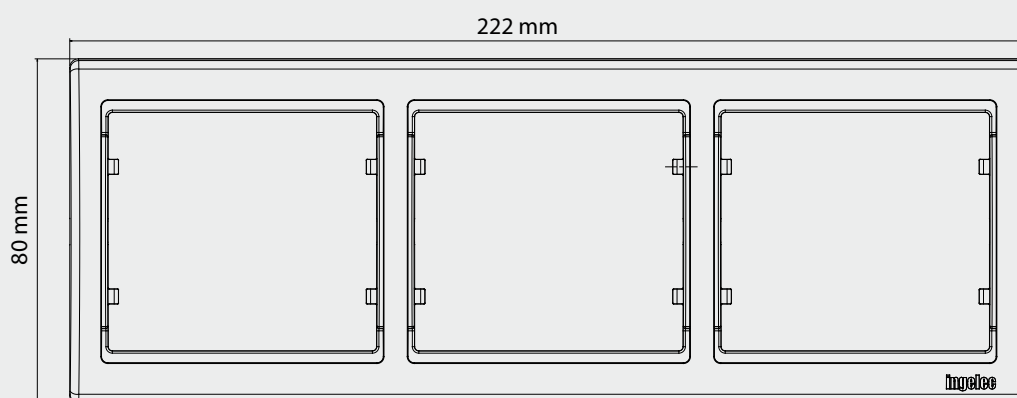


2 gang - one way switch

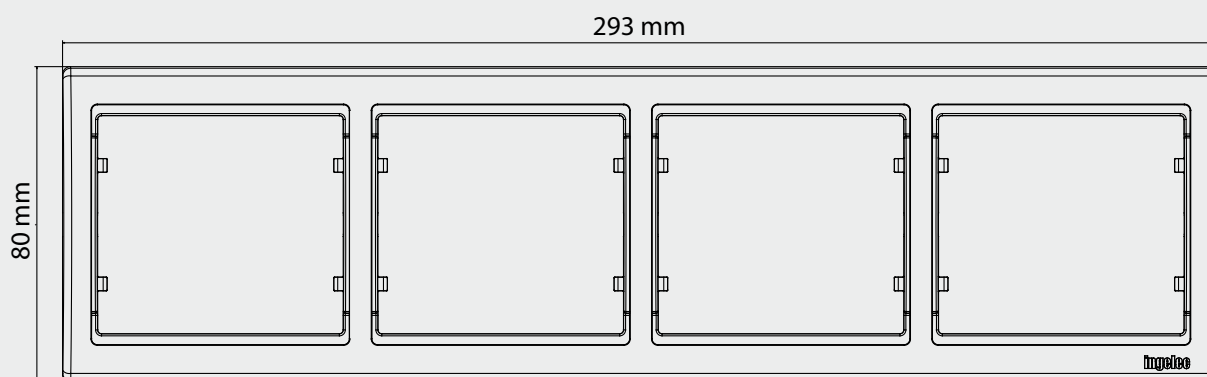
KENZI horizontal plates



Horizontal plate 2x2 modules



Horizontal plate 3x3 modules



Horizontal plate 4x4 modules

ZENITH



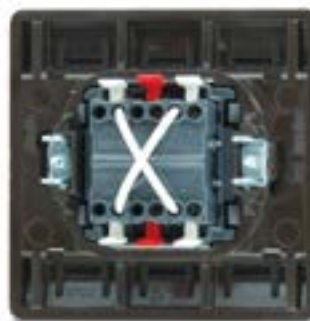
Zenith 3 features more functions and modules

Zenith 3 is available with screw connections for sockets and 2-way switches, as well as push-in connections for 1-way switches.

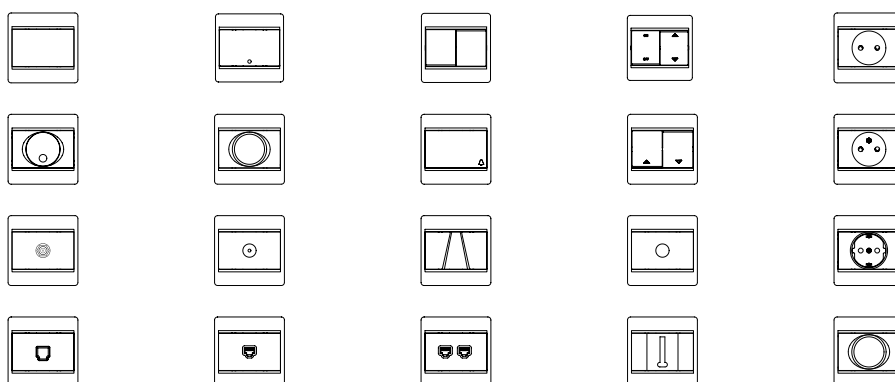
Screw terminal connection



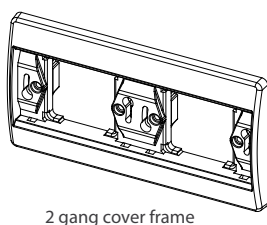
Push-in wire connection



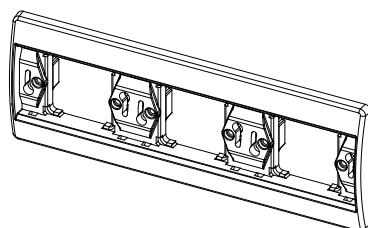
To ensure your comfort at home, Zenith 3 provides 27 different functions to meet all your needs.



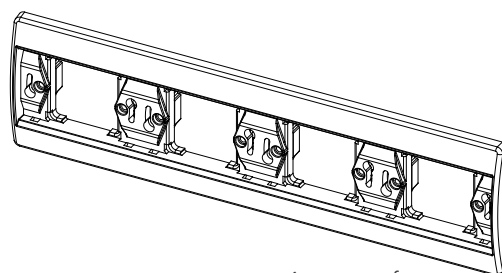
Zenith 3 is available in French standard 2, 3 and 4 gang for a more aesthetically-pleasing design.



2 gang cover frame



3 gang cover frame



4 gang cover frame



4706M



5702/20M



5701/20M



5701/03M

PACK.	REF. BROWN	VISUAL	DESIGNATION
SWITCHES			
10/100	5701/10M		One-way switch
10/100	5701/20M		Two-way switch
10/100	5701/23M		One way switch with locator light
10/100	5702/20M		2 gang two-way switch
10/100	5701/21M		Permutator
10/100	5702/66M		Switch for roller blind
1/8	5701/30M		Rotary dimmer (500w)
PUSH BUTTONS			
10/100	5701/00M		Push- button
10/100	5701/03M		Push- button with locator light
10/100	5701/50M		Push- button
10/100	5701/51M		Push- button breaker with no bell symbol
10/100	5702/56M		Push button roller blind control
ELECTRICAL OUTLETS			
10/100	4703M		2P Socket outlet with child protection
10/100	4706M		2P+E Franch standard socket outlet
8/80	4716M		2P+E German standard socket outlet
10/100	4703/20M		Obturator
10/100	4703/22M		Lateral release wire
COMPUTER SOCKETS & TELEPHONE			
10/100	4707M		Tv socket
10/100	4707/8M		SAT socket "F" type
10/100	4709M		French telephone socket
10/100	4719/6M		Telephone socket 3 lines
10/100	4710/45M		PHONE/INFO RJ45 socket Cat5 UTP
10/100	4711/45M		PHONE / INFO RJ45 socket Cat5E UTP
10/100	4730/45M		Info RJ45 socket Cat.6E UTP
10/100	4731/45M		Double data socket RJ45 Cat.6E UTP
10/100	4720/45M		Data socket RJ45 Cat.5E FTP
10/100	4721/45M		Double data socket. RJ45 Cat.5E FTP



P4250M



P4350M



P4450M

PACK.	REF. BROWN	VISUAL	DESIGNATION
FRENCH STANDARD PLATES			
60	P4250M		Horizontal plate 2x2 modules
30	P4350M		Horizontal plate 3x3 modules
30	P4450M		Horizontal plate 4x4 modules



PACK.	REF. WHITE	VISUAL	DESIGNATION
SWITCHES			
10/100	5701/10A		One-way switch
10/100	5701/20A		Two-way switch
10/100	5701/23A		One way switch with locator light
10/100	5702/20A		2 gang two-way switch
10/100	5701/21A		Permutator
10/100	5702/66A		Switch for roller blind
1/8	5701/30A		Rotary dimmer (500w)
PUSH BUTTONS			
10/100	5701/00A		Push- button
10/100	5701/03A		Push- button with locator light
10/100	5701/50A		Push- button
10/100	5701/51A		Push- button with no bell symbol
10/100	5702/56A		Push button roller blind control
ELECTRICAL OUTLETS			
10/100	4703A		2P Socket outlet with child protection
10/100	4706A		2P+E Franch standard socket outlet
8/80	4716A		2P+E German standard socket outlet
10/100	4703/20A		Obturator
10/100	4703/22A		Lateral release wire
COMPUTER SOCKETS & TELEPHONE			
10/100	4707A		Tv socket
10/100	4707/8A		SAT socket "F" type
10/100	4709A		French telephone socket
10/100	4719/6A		Telephone socket 3 lines
10/100	4710/45A		PHONE/INFO RJ45 socket Cat5 UTP
10/100	4711/45A		PHONE / INFO RJ45 socket Cat5E UTP
10/100	4730/45A		Info RJ45 socket Cat.6E UTP
10/100	4731/45A		Double data socket RJ45 Cat.6E UTP
10/100	4720/45A		Data socket RJ45 Cat.5E FTP
10/100	4721/45A		Double data socket. RJ45 Cat.5E FTP



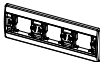
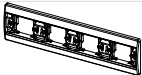
P4250A



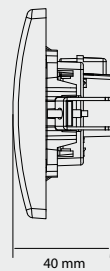
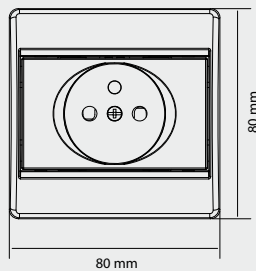
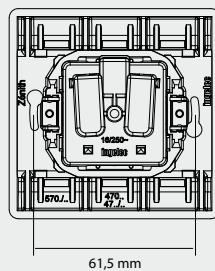
P4350A



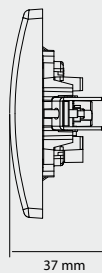
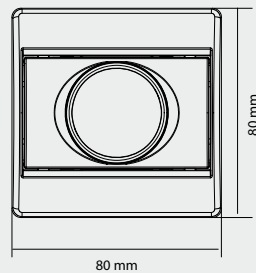
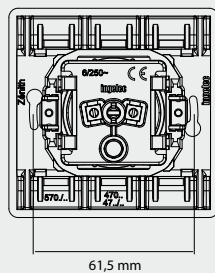
P4450A

PACK.	REF. BLANC	VISUEL	DÉSIGNATION
FRENCH STANDARD PLATES			
60	P4250A		Horizontal plate 2x2 modules
30	P4350A		Horizontal plate 3x3 modules
30	P4450A		Horizontal plate 4x4 modules

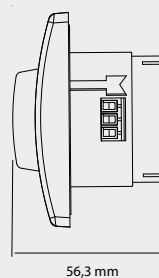
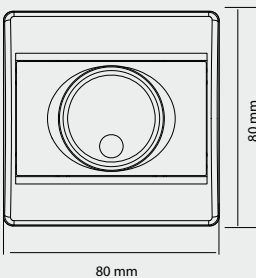
Technical drawing



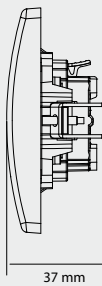
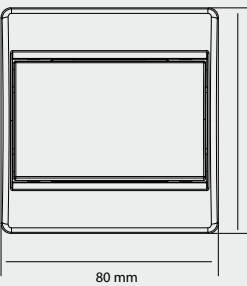
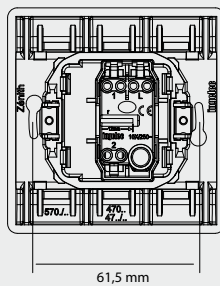
2P+E French standard
socket outlet



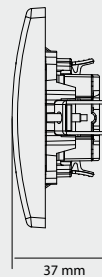
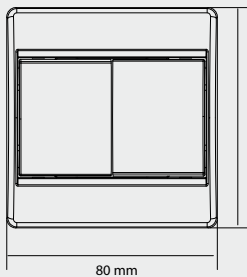
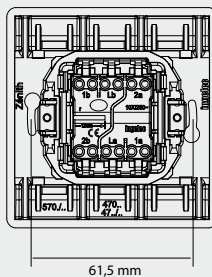
Push- button with
locator light



Rotary dimmer

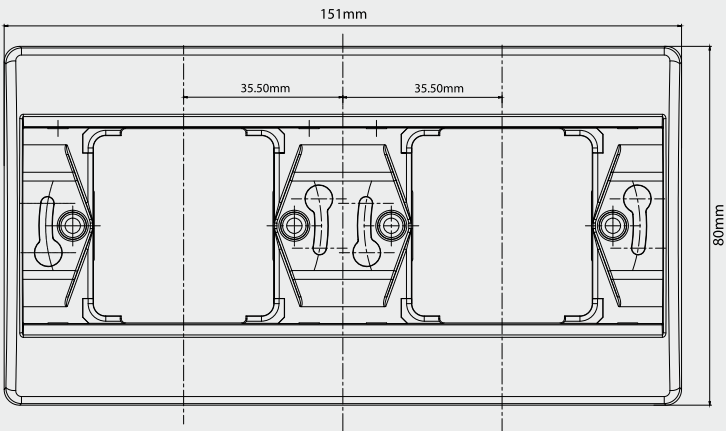


One-way switch

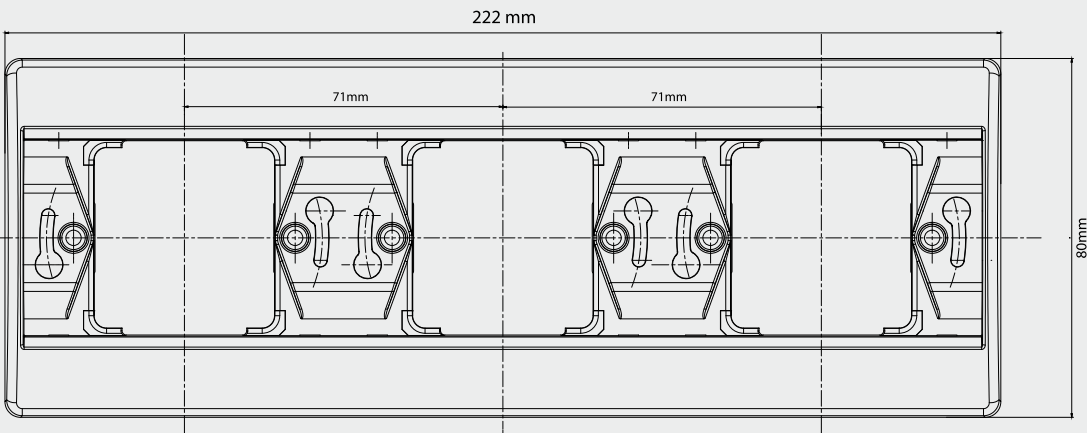


Two-way switch

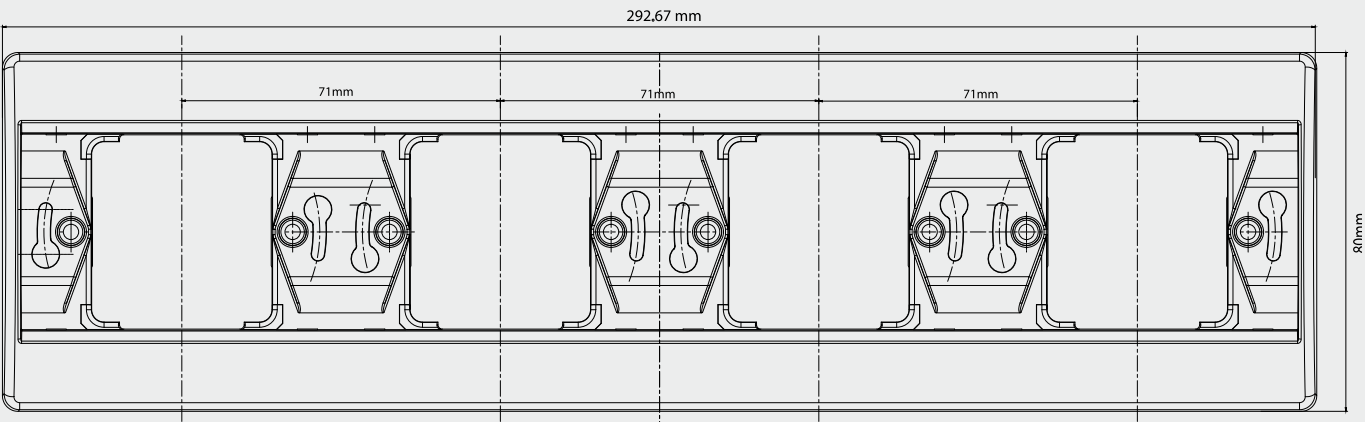
Zenith modular plates



Horizontal plate 2x2 modules



Horizontal plate 3x3 modules



Horizontal plate 4x4 modules

TICHKA



TICHKA FUN

Entry-level products with a splash of fun

Tichka has reinvented itself and is offering a new range called "TICHKA FUN", available in 5 colors : ivory, pink, blue, brown and grey. These entry-level sockets and switches are wonderfully trendy thanks to their coloured frames and screw covers.



=



Tichka with white screw covers

+



Interchangeable screw covers in 5 colors

+



Stylish frame available in 5 colors

Available in 5 colors



Blue



Grey



Pink



Ivory



Brown



5231/03A



4236SA



5231/50A



4237/8A

PACK.	REF.	VISUAL	DESIGNATION
SWITCHES			
20/200	5231/10A		One-way switch
20/200	5231/20A		Two-way switch
20/200	5232/10A		Dual switch
20/200	5232/20A		Double two way switch
20/200	5231/21A		Permutator
PUSH BUTTONS			
20/200	5231/00A		Rotary dimmer
20/200	5231/03A		Round push button locator
20/200	5231/05A		Round push button label holder
20/200	5231/50A		Push- button
20/200	5231/51A		Push- button with no bell symbol
20/200	5232/02A		Two way push button
20/200	5232/04A		Dual push button
20/200	5232/56A		Push button inverter
ELECTRICAL OUTLETS			
20/200	4233SA		2P Socket outlet with child protection
20/200	4236SA		2P+E French standard socket outlet
20/200	4236A		2P+E German standard socket outlet
TAKEN MULTIMEDIA			
20/200	4237A		Tv socket
20/200	4237/8A		SAT socket F type
20/200	4239A		French telephone socket
20/200	4239/4A		Telephone socket 2 lines
20/200	4239/6A		Telephone socket 3 lines
1/72	5236/20A		Breaker thermal circuit 20A
DUO & ACCESSORIES			
20/200	5234/20SA		Two-way switch and 2P socket outlet
20/200	4233/20A		Obturator
20/200	4233/21A		Lateral cable outlet
20/200	4233/22A		Wire outlet lateral



5003M



5003B



5003R



5003

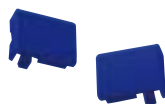


5003G

PACK.	REF.	VISUAL	DESIGNATION
Cadre décor			
20/200	5003M		Brown cornice and screw cover
20/200	5003		Ivory cornice and screw cover
20/200	5003R		Pink cornice and screw cover
20/200	5003B		blue cornice and screw cover
20/200	5003G		Grey cornice and screw cover



5004M



5004B



5004R



5004



5004G

PACK.	REF.	DESIGNATION
Cornice		
20/200	5004M	Screw cover brown
20/200	5004	Screw cover ivory
20/200	5004R	Screw cover pink
20/200	5004B	Screw cover blue
20/200	5004G	Screw cover grey



5221/00



4223/21



4226S



5221/50

PACK.	REF.	VISUAL	DESIGNATION
SWITCHES			
20/200	5221/10		One-way switch
20/200	5221/20		Two-way switch
20/200	5222/10		Dual switch
20/200	5222/20		Double two way switch
20/200	5221/21		Permutator
PUSH BUTTONS			
20/200	5221/00		Rotary dimmer
20/200	5221/03		Round push-button locator
20/200	5221/05		Round push-button label holder
20/200	5221/50		Push-button
20/200	5222/02		Two way push button
20/200	5222/04		Dual push button
20/200	5222/56		Push button inverser
ELECTRICAL OUTLETS			
20/200	4223S		Socket outlet 2P with child protection
20/200	4226S		French type 2P+E socket with child protection
20/200	4236		Earthed socket
SOCKET MEDIA			
20/200	4227		Tv socket
20/200	4227/8		SAT socket F type
20/200	4229		French telephone socket
20/200	4229/4		Telephone socket 2 lines
20/200	4229/6		Telephone socket 3 lines
1/72	5226/20		Breaker thermal circuit 20A
DUO & ACCESSORIES			
20/200	5224/20S		Two-way switch and 2P socket outlet
20/200	4223/20		Obturator
20/200	4223/21		Lateral cable outlet
20/200	4223/22		Wire outlet lateral



4223SB



5222/10B



5221/10B



4229B

PACK.	REF.	VISUAL	DESIGNATION
SWITCHES			
20/200	5221/10B		One-way switch
20/200	5221/20B		Two-way switch
20/200	5222/10B		Dual switch
20/200	5222/20B		Double two way switch
20/200	5221/21B		Permutator
PUSH BUTTONS			
20/200	5221/00B		Rotary dimmer
20/200	5221/03B		Round push-button locator
20/200	5221/05B		Round push-button label holder
20/200	5221/50B		Push-button
20/200	5222/02B		Two way push-button
20/200	5222/04B		Dual push-button
20/200	5222/56B		Push-button inverter
ELECTRICAL OUTLETS			
20/200	4223SB		Socket outlet 2P with child protection
20/200	4226SB		French type 2P+E socket with child protection
20/200	4236B		Earthed socket
SOCKET MEDIA			
20/200	4227B		Tv socket
20/200	4227/8B		SAT socket F type
20/200	4229B		French telephone socket
20/200	4229/4B		Telephone socket 2 lines
20/200	4229/6B		Telephone socket 3 lines
1/72	5226/20B		Breaker thermal circuit 20A
DUO & ACCESSORIES			
20/200	5224/20SB		Two-way switch and 2P socket outlet
20/200	4223/20B		Obturator
20/200	4223/21B		Lateral cable outlet
20/200	4223/22B		Wire outlet lateral



4236A



5226/20A



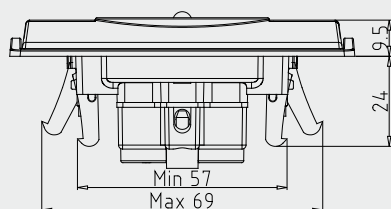
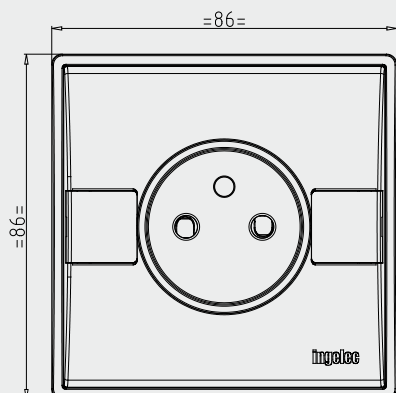
4229/4A



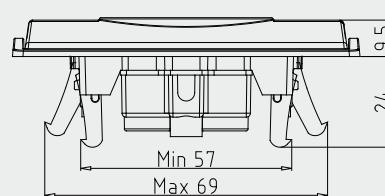
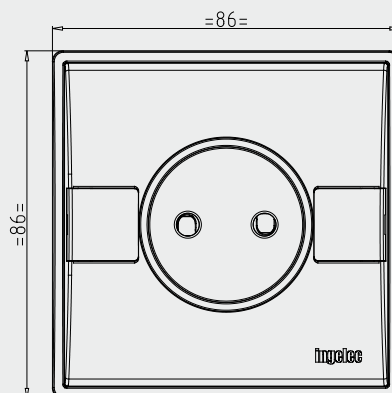
4227/8A

PACK.	REF.	VISUAL	DESIGNATION
SWITCHES			
20/200	5221/10A		One-way switch
20/200	5221/20A		Two-way switch
20/200	5222/10A		Dual switch
20/200	5222/20A		Double two way switch
20/200	5221/21A		Permutator
PUSH BUTTONS			
20/200	5221/00A		Rotary dimmer
20/200	5221/03A		Round push-button locator
20/200	5221/05A		Round push-button label holder
20/200	5221/50A		Push-button
20/200	5222/02A		Two way push-button
20/200	5222/04A		Dual push-button
20/200	5222/56A		Push-button inverter
ELECTRICAL OUTLETS			
20/200	4223SA		Socket outlet 2P with child protection
20/200	4226SA		French type 2P+E socket with child protection
20/200	4236A		Earthed socket
SOCKET MEDIA			
20/200	4227A		Tv socket
20/200	4227/8A		SAT socket F type
20/200	4229A		French telephone socket
20/200	4229/4A		Telephone socket 2 lines
20/200	4229/6A		Telephone socket 3 lines
1/72	5226/20A		Breaker thermal circuit 20A
DUO & ACCESSORIES			
20/200	5224/20SA		Two-way switch and 2P socket outlet
20/200	4223/20A		Obturator
20/200	4223/21A		Lateral cable outlet
20/200	4223/22A		Wire outlet lateral

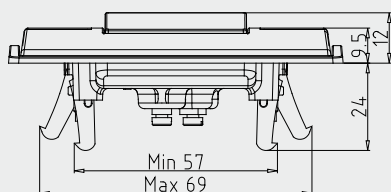
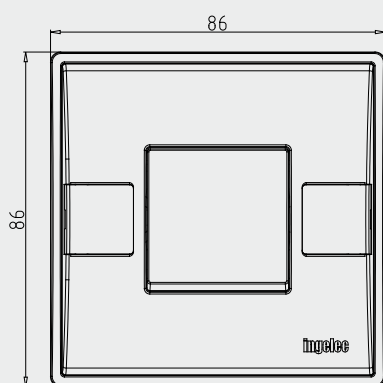
Technical drawing



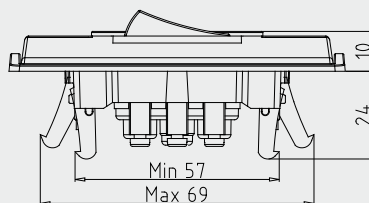
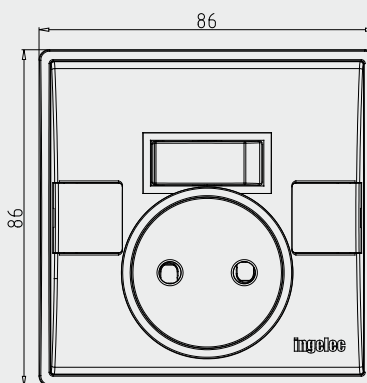
French type 2P+T socket
with child protection



French type 2P socket
with child protection

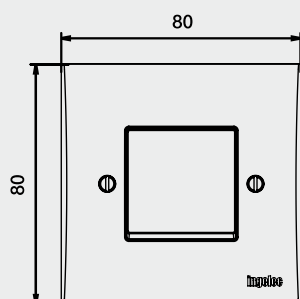
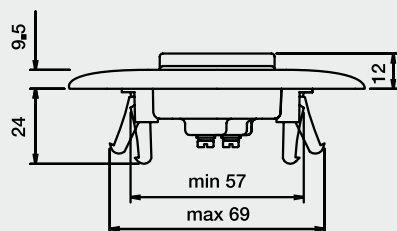


One-way switch - Tichka Fun

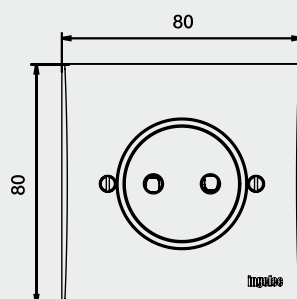
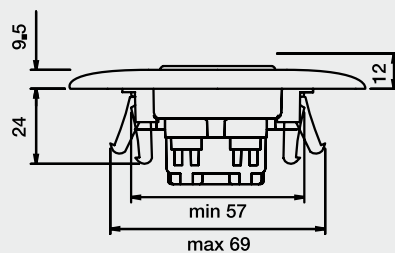


Two-way switch and socket
outlet - Tichka Fun

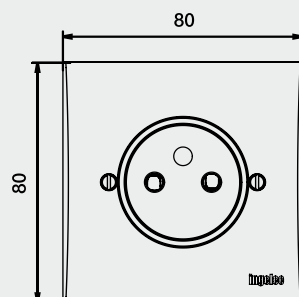
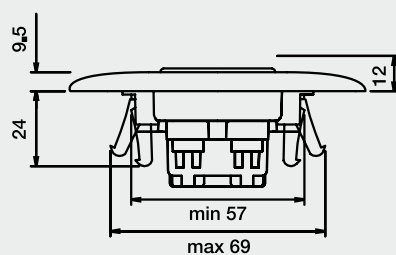
Technical drawing



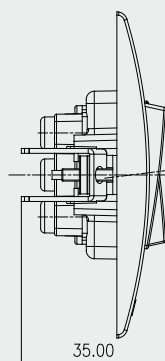
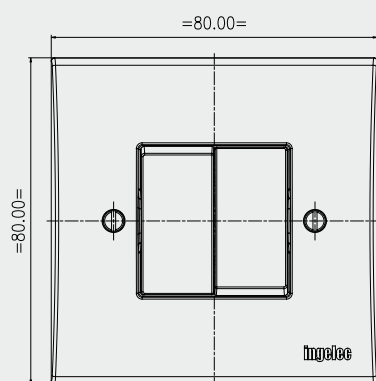
One-way switch



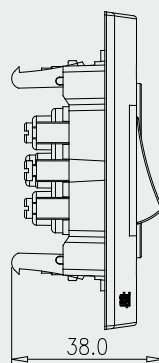
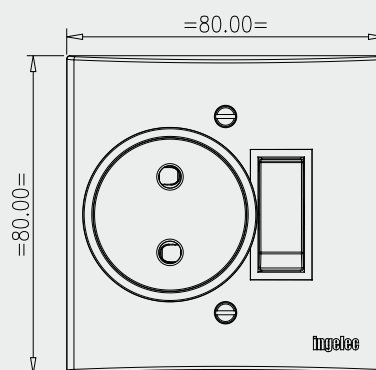
Socket outlet with child protection

French type 2P+T socket
with child protection

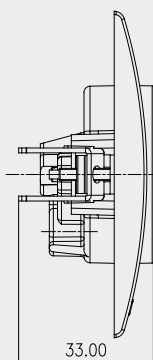
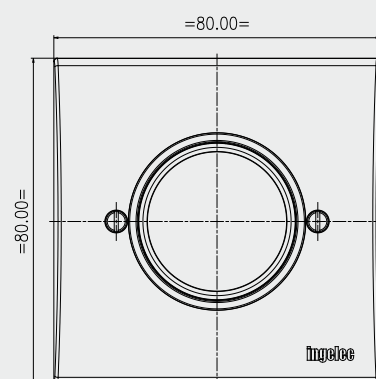
Technical drawing



Dual push button



Two-way switch and socket outlet



Round push button locator

TROPIC





5822/56



4823



5892/66A



5821/20A

TROPIC GREY SURFACE-MOUNTING

PACK.	REF.	VISUAL	DESIGNATION
SWITCHES			
10/100	5821/20		One-way switch
10/100	5821/23		One-way switch with indicator light
10/100	5822/20		2 gang two-way switch
10/100	5822/66		Switch for roller blind
10/100	5821/11		Bipolar switch
PUSH BUTTONS			
10/100	5821/50		One-way push button with bell symbol
10/100	5821/51		One-way push button no bell symbol
10/100	5821/53		One-way push button with indicator light
10/100	5821/55		One-way push button locator light and label holder
10/100	5822/56		2 gang two way push button
10/100	5821/70		Switch timer
ELECTRICAL OUTLETS			
10/100	4823		2P Socket outlet
10/100	4826		2P+E Socket outlet

TROPIC WHITE SURFACE-MOUNTING

PACK.	REF.	VISUAL	DESIGNATION
SWITCHES			
10/100	5821/20A		One-way switch
10/100	5821/23A		One-way switch with indicator light
10/100	5822/20A		2 gang two-way switch
10/100	5892/66A		Switch for roller blind
10/100	5821/11A		Bipolar switch
PUSH BUTTONS			
10/100	5821/50A		One-way push button with bell symbol
10/100	5821/51A		One-way push button no bell symbol
10/100	5821/53A		One-way push button with indicator light
10/100	5821/55A		One-way push button locator light and label holder
10/100	5822/56A		2 gang two way push button
10/100	5821/70A		Switch timer
ELECTRICAL OUTLETS			
10/100	4823A		2P Socket outlet
10/100	4826A		2P+E Socket outlet



4833



5831/20



5832/20A



4836A

TROPIC GREY FLUSH-MOUNTING

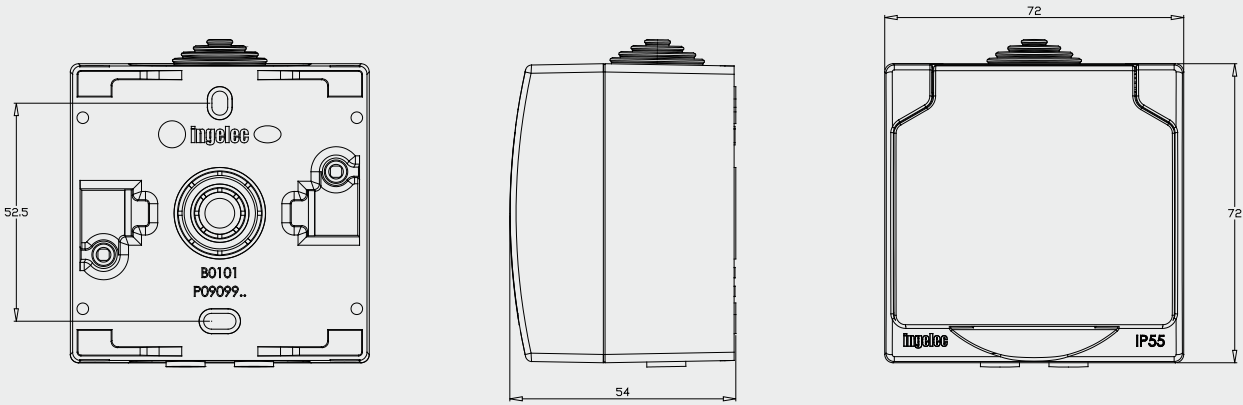
PACK.	REF.	VISUAL	DESIGNATION
SWITCHES			
10/100	5831/20		One-way switch
10/100	5831/23		One-way switch with indicator light
10/100	5832/20		2 gang two-way switch
PUSH BUTTONS			
10/100	5831/50		One-way push button
10/100	5831/51		One-way push button no bell symbol
10/100	5831/53		One-way push button with indicator
10/100	5831/55		One-way push button with indicator and label holder
ELECTRICAL OUTLETS			
10/100	4833		2P Socket outlet
10/100	4836		2P+E Socket outlet
SURFACE-MONTING BOXES			
10/100	B0101		1 gang - 1 entry
5/50	B0201		2 gang - 2 entries horizontal mounting
5/50	B0202		2 gang - 2 entries vertical mounting

TROPIC WHITE FLUSH-MOUNTING

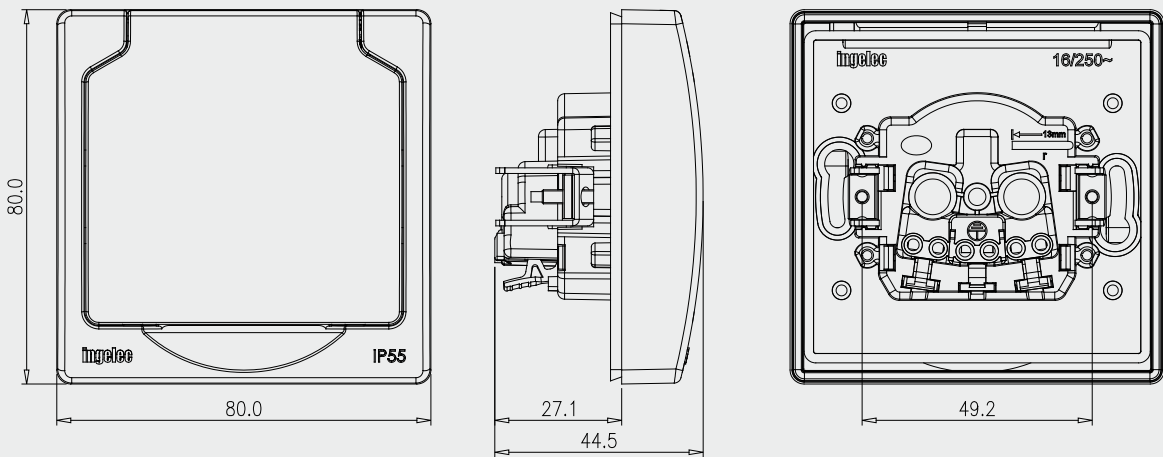
PACK.	REF.	VISUAL	DESIGNATION
SWITCHES			
10/100	5831/20A		One-way switch
10/100	5831/23A		One-way switch with indicator light
10/100	5832/20A		2 gang two-way switch
PUSH BUTTONS			
10/100	5831/50A		One-way push button
10/100	5831/51A		One-way push button no bell symbol
10/100	5831/53A		One-way push button with indicator
10/100	5831/55A		One-way push button with indicator and label holder
ELECTRICAL OUTLETS			
10/100	4833A		2P Socket outlet
10/100	4836A		2P+E Socket outlet
SURFACE-MONTING BOXES			
10/100	B0101A		1 gang - 1 entry
5/50	B0201A		2 gang - 2 entries horizontal mounting
5/50	B0202A		2 gang - 2 entries vertical mounting

Technical drawing

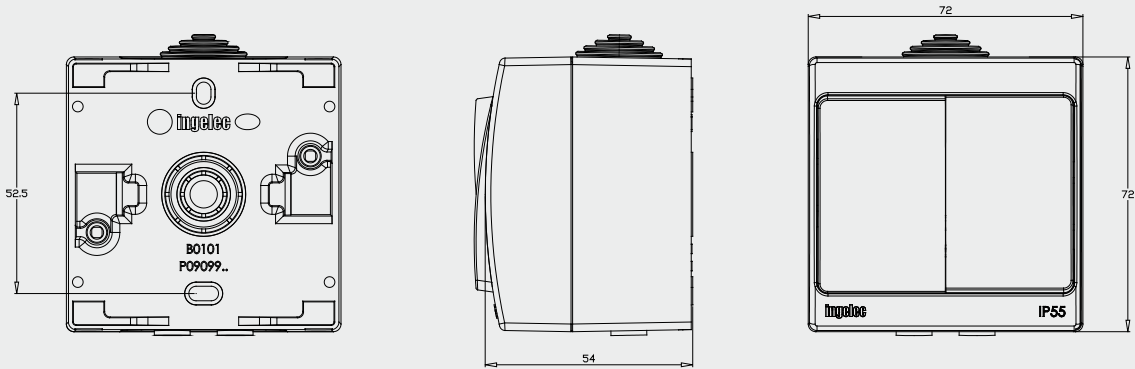
SOCKET OUTLET 2P+E - SURFACE-MOUNTING



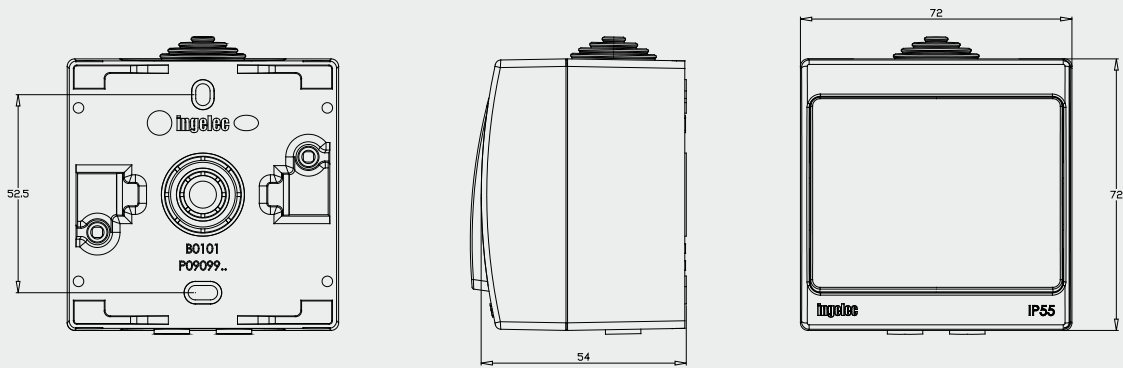
SOCKET OUTLET 2P+E - FLUSH-MOUNTING



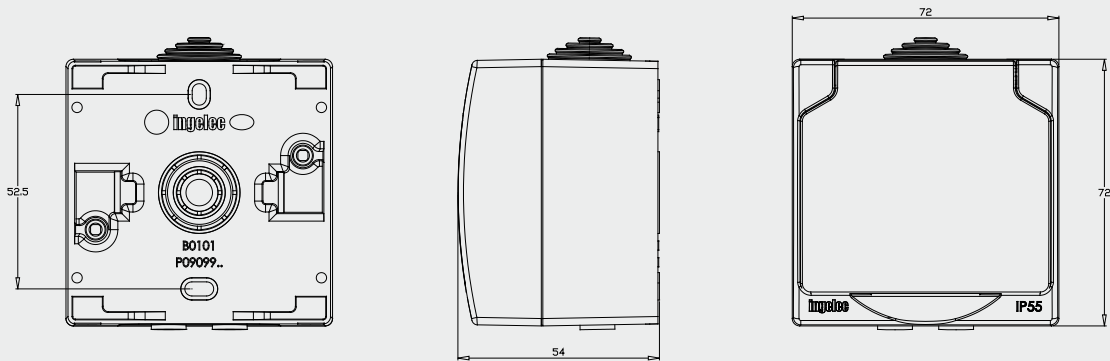
2 GANG TWO-WAY SWITCH - SURFACE-MOUNTING



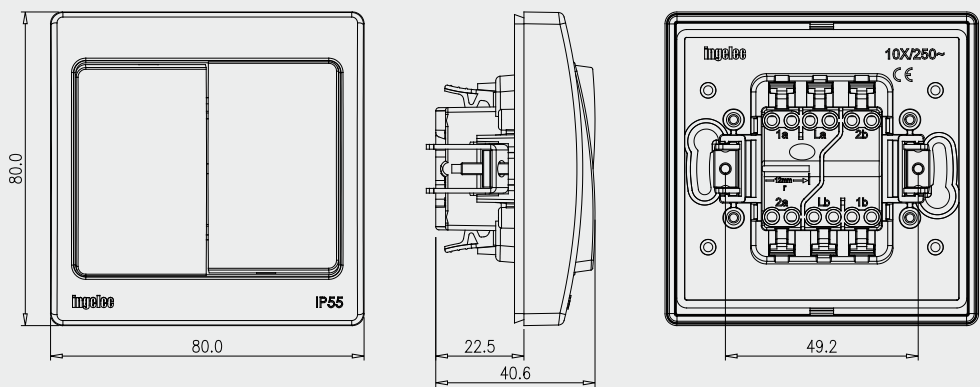
ONE-WAY PUSH-BUTTON - SURFACE-MOUNTING



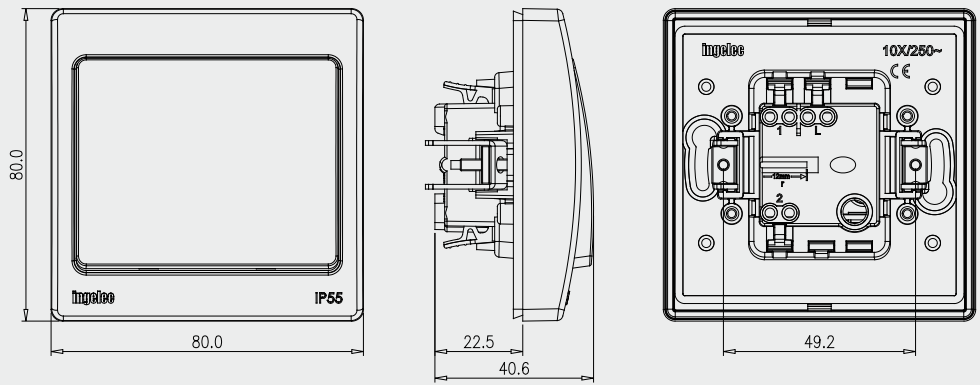
ONE-WAY SWITCH - FLUSH-MOUNTING



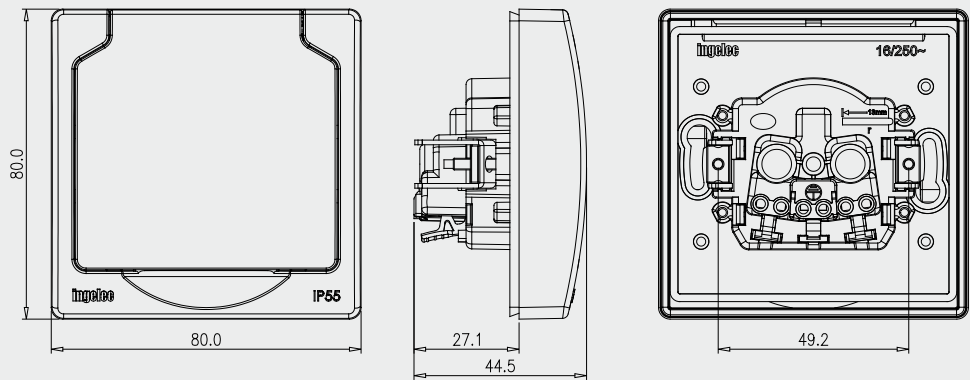
2 GANG TWO-WAY SWITCH - FLUSH-MOUNTING



ONE-WAY SWITCH - FLUSH-MOUNTING



ONE-WAY SWITCH - FLUSH-MOUNTING



BOXES & CABINETS



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2241



2151D



2180

N

Technical specifications

JUNCTION BOXES IP55-IK09 650° & 850°

- Housing and cover made of self-extinguishing material
- Filament holding at 850 ° C or 650 ° C according to references
- Resistance to glow wire test : 650° TO 850°
 - Cover opens / closes with a ¼ turn of screw driver
 - Protection caps provided for the attachment
- Fixing : protruding by 4 Screws
- lateral entrances on all four sides for cables arrival , with suction cups or knockouts depending on the series
- Closure by screw ¼ plastic tour
- Cover cannot be lose with retaining screw

Normative specifications

JUNCTION BOXES IP55-IK09 650° & 850°

- Conforms to CEI 998-2-5 norm
- IP 55 according to the norm EN 60 529

JUNCTION BOXES WEATHERPROOF ABS 650° WITH METALLIC SCREW IP64

- Box in ABS
- Screws of closing with metal
- Color box : clear grey RAL 7035
- Cover color : clear grey RAL 7035
- IP64 according to the norm EN 60 529

References

PACK.	REF.	DESIGNATION	DIMENSIONS
Boxes 650°			
20	2101	Weatherproof junction box 100*100 (7 entries)	100x100x60
20	2101D	Weatherproof junction box knock out 100*100 (7 entries+ 4 knock-out)	100x100x60
10	2151	Weatherproof junction box 150*110	150x110x80
10	2151D	Weatherproof junction box knock out 150*110	150x110x80
20	2181	Weatherproof junction box 180*140 (10 entries)	180x140x80
20	2181D	Weatherproof junction box knock out 180*140 (10 entries+ 5 knock-out)	180x140x80
10	2241	Weatherproof junction box 240*180 (12 entries)	240x180x85
10	2241D	Weatherproof junction box knock out 240*180 (12 entries+ 6 knock-out)	240x180x85
Boxes 850°			
20	2102	Weatherproof junction box 100*100 (7 entries)	100x100x60
20	2102D	Weatherproof junction box knock out 100*100 (7 entries+ 4 knock-out)	100x100x60
10	2152	Weatherproof junction box 150*110	150x110x80
10	2152D	Weatherproof junction box knock out 150*110	150x110x80
20	2182	Weatherproof junction box 180*140 (10 entries)	180x140x80
20	2182D	Weatherproof junction box knock out 180*140 (10 entries+ 5 knock-out)	180x140x80
10	2242	Weatherproof junction box 240*180 (12 entries)	240x180x85
10	2242D	Weatherproof junction box knock out 240*180 (12 entries+ 6 knock-out)	240x180x85

PACK.	REF.	DESIGNATION	DIMENSIONS
Junction boxes weatherproof abs 650° with metallic screw ip64			
20	2100	Square weatherproof junction box 100*100*60 abs with metallical screws N	100x100x60
10	2150	Rectangular weatherproof junction box 150*110*80 abs with metallical screws N	150x110x80
20	2180	Rectangular weatherproof junction box 180*140*80 abs with metallical screws N	180x140x80
10	2240	Rectangular weatherproof junction box 240*180*85 abs with metallical screws N	240x180x85

N New References



FLUSH MOUNTING JUNCTION BOXES

- Junction boxes flush mounting with shock-absorbing polystyrene
- Colors : orange & white
- 4 screws galvanised fixed inside
- Knock-out entries for conduits

FLUSH MOUNTING WEATHERPROOF JUNCTION BOXES

- Knock out entries in all lateral entries for conduits
- Closing with 4 galvanised screws
- Protection : IP 64
- IK06
- Filament holding at 650 °
- Box & cover in ABS

Technical specifications

WEATHERPROOF JUNCTION BOXES IP44-IK07

- lateral entrances on all four sides for cables arrival, with suction cups or knockouts depending on the series
- Snap closure for cover
- Cover cannot be lose with retaining screw
- Color : grey

FLUSH MOUNTING JUNCTION BOXES

- Compliant with CEI 998-2-5 & NF EN 60 695-2-10
- Protection: IP44 according to the norm EN 529

Normative specifications

FLUSH MOUNTING JUNCTION BOXES

- Conforms to NF EN 60 670-1 & NF EN 60 670-22 norms

References

PACK.	REF.	DESIGNATION	DIMENSIONS
Flush mounting junction box			
100	2308	Flush mounting junction box	80*80*40
100	2310	Flush mounting junction box	100*100*45
100	2313	Flush mounting junction box	130*130*55
50	2316	Flush mounting junction box	160*160*65

PACK.	REF.	DESIGNATION	DIMENSIONS
Weatherproof junction box IP			
40	2070	Round junction box (4 entries)	70*70*35
40	2080	Round junction box (6 entries)	80*80*45



2014



2014J



2006



2007

Technical specifications

2 MODULES FLUSH MOUNTING BOX

- Material : Polystyrene
- Color : Dark grey
- Sealing box
- Supplied with 2 screws with protection cap
- Cables reception from all directions :
 - 8 Knock out cable entries (ø20)
 - 3 knock out inside (ø20-ø25)
- Can be used horizontally or vertically by joining together side to side:
 - spacing 71mm
 - spacing 80mm
 - spacing 85mm
 - spacing 87.5mm
 - spacing 90mm

Technical specifications

MULTI MODULE FLUSH MOUNTING BOX (ITALIAN STANDARD)

- 3, 4 & 6 module flush mounting box in Italian standard
- For mounting equipment using screws
- Sealing fixation
- Cables reception from lateral hole and knock-out found

Normative specifications

- Conforms to NF EN60670-22 norm

Technical drawing



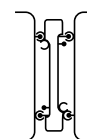
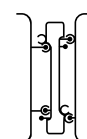
Twinning with depth 71mm



Twinning with depth 80mm



Twinning by junction

spacing
85 mmspacing
87,5 mmspacing
90 mm

References

PACK.	REF.	DESIGNATION	DIMENSIONS
SQUARE ONE GANG BOX			
50	2014	Square one gang box blue 60*60*50mm	60*60*50
300	2014J	Fixing accessory	-
MULTI GANG BOX (ITALIAN STANDARD)			
50	2006	Multi gang box (3 nmodules)	107*73*50
50	2007	Multi gang box (4 nmodules)	132*73*50
50	2009	Multi gang box (6 nmodules)	190*97*50



2001C



2003C



2001CN

Technical specifications

ROUND ONE GANG BOX

- Sealing fixation
- Mounting in all flush mounting series fixing by claw of screw screwplast ø 2.9mm depending on references :
 - 2001C for screw mounting
 - 2003c for claw mounting or screw ø 2.9mm
- Cables reception from all directions through 5 knock-out
- Diameter 72mm / depth 40mm
- Supplied with metallical screw

Normative specifications

- Compliant with European directives
- Compliant with SCREPLAST (50Ncm)

DEPTH ROUND ONE GANG BOX

- Polyethylene high density self- extinguishment
- Compliant with fire test (650°)
- Colour : yellow
- The box is designed for simple module
- Depth : 45mm
- The boxes can be sealed with a spacing of 81mm

References

PACK.	REF.	DESIGNATION
Round one gang box		
250	2001C	Round one gang box ø 72mm*40mm
60	2003C	Round one gang box with screw ø 72mm*40mm
Depth round one gang box		
250	2001CN	Round one gang box with screw ø 72mm*45mm



2714D/EF



2713/E

Technical specifications

- Reversible door smoked or opaque depending on the model
- Material resistant to shocks, humidity & temperature
- Plastic captive screw cap
- Colors : White for tank, Frame and Door / Smoked door in grey .
- Terminal block in brass : resistant to wire at 650 ° C
- Rails : Galvanized steel
- Terminal blocks can receive copper cables for distribution of neutral or earth: from 0.75mm² to 16mm² for rigid conductors / from 0.75mm² to 10mm² for flexible conductors
- Adhesive strips to locate modular devices
- Under-rail space : 16mm
- Window solution easy to knock-out
- Templates assembly to prevent deformation at the time of installation (except for the 8-module box)
- Shutters delivered with box to prevent the penetration of the cement at the time of installation

Normative specifications

- Conforms to norms NF EN60439 & NF C61-910

References

PACK.	REF.	DESIGNATION	DIMENSIONS
Flush mounting distribution cabinets SECURIS B with opaque door			
1/10	2708/E	Distribution cabinet 8 modules + 1 terminal block	180*210*96mm
1/10	2713/E	Distribution cabinet 13 modules + 1 terminal block	180*300*100mm
1/10	2726/E	Distribution cabinet 26 modules + 2 terminal blocks	304*300*100mm
1/2	2739/E	Distribution cabinet 39 modules + 3 terminal blocks	429*300*100mm
1/10	2714D/E	Distribution cabinet 14 modules + circuit breaker + 2 terminal blocks	304*300*100mm
1/2	2720D/E	Distribution cabinet 24 modules + circuit breaker + 3 terminal blocks	304*300*100mm
Flush mounting distribution cabinets SECURIS B with clear door			
1/10	2708/EF	Distribution cabinet 8 modules + 1 terminal block	180*210*96mm
1/10	2713/EF	Distribution cabinet 13 modules + 1 terminal block	180*300*100mm
1/10	2726/EF	Distribution cabinet 26 modules + 2 terminal blocks	304*300*100mm
1/2	2739/EF	Distribution cabinet 39 modules + 3 terminal blocks	429*300*100mm
1/10	2714D/EF	Distribution cabinet 14 modules + circuit breaker + 2 terminal blocks	304*300*100mm
1/2	2720D/EF	Distribution cabinet 24 modules + circuit breaker + 3 terminal blocks	304*300*100mm



2726/AF



2713/A



2704/A

Technical specifications

- Terminal block in brass (except distribution cabinet 2 & 4 modules) can receive cables for distribution of neutral or earth :
 - from 0.75mm² to 16mm² for rigid conductors
 - from 0.75mm² to 10mm² for flexible conductors
- DIN symmetric rails with Galvanized steel (except distribution cabinet 2 & 4 modules)
- Plastic captive screw cap
- Reversible door
- Adhesive strips for marking.

Normative specifications

- Compliant with NF EN60439 & NF C61-910

References

PACK.	REF.	DESIGNATION	DIMENSIONS
Surface mounting distribution cabinets SECURIS B with opaque door			
50	2702/A	Distribution cabinet 2 modules	130x52x64
60	2704/A	Distribution cabinet 4 modules	130x88x64
1/10	2708/A	Distribution cabinet 8 modules + 1 terminal block	180x210x96
1/10	2713/A	Distribution cabinet 13 modules + 1 terminal block	180x300x100
1/10	2726/A	Distribution cabinet 26 modules + 2 terminal blocks	304x300x100
1/2	2739/A	Distribution cabinet 39 modules + 3 terminal blocks	429x300x100
1/10	2714D/A	Distribution cabinet 14 modules + circuit breaker + 2 terminal blocks	304x300x100
1/2	2720D/A	Distribution cabinet 24 modules + circuit breaker + 3 terminal blocks	429x300x100
Surface mounting distribution cabinets SECURIS B with clear door			
50	2702/AF	Distribution cabinet 2 modules	130x52x64
60	2704/AF	Distribution cabinet 4 modules	130x88x64
1/10	2708/AF	Distribution cabinet 8 modules + 1 terminal block	180x210x96
1/10	2713/AF	Distribution cabinet 13 modules + 1 terminal block	180x300x100
1/10	2726/AF	Distribution cabinet 26 modules + 2 terminal blocks	304x300x100
1/2	2739/AF	Distribution cabinet 39 modules + 3 terminal blocks	429x300x100
1/10	2714D/AF	Distribution cabinet 14 modules + circuit breaker + 2 terminal blocks	304x300x100
1/2	2720D/AF	Distribution cabinet 24 modules + circuit breaker + 3 terminal blocks	429x300x100



2914D



2920D

Technical specifications

- Door & case made of polystyrene
- Rails : Galvanized steel
- Color : white
- Opaque reversible door
- Terminal block separated IP20
- Terminal block 7 holes that can receive copper cables for distribution of neutral or earth :
 - From 0.75mm² to 16mm² for rigid conductors
 - From 0.75mm² to 10mm² for flexible conductors
- Base & terminal cover
- Adhesive strips for marking
- Under-rail space: 16mm
- Flexible flaps for cable entry
- Templates assembly to prevent deformation at the time of installation (except for the 8-module box)

Normative specifications

- Compliant with NF EN60439 & NF C61-910

References

PACK.	REF.	DESIGNATION
Flush mounting distribution cabinets SECURIS A		
1/20	2908	Distribution cabinet 8 modules + 1 terminal block
1/10	2912	Distribution cabinet 12 modules + 1 terminal block
1/10	2924	Distribution cabinet 24 modules + 2 terminal blocks
1/2	2936	Distribution cabinet 36 modules + 3 terminal blocks
1/10	2914D	Distribution cabinet 14 modules+ circuit breaker + 2 terminal blocks
1/2	2920D	Distribution cabinet 20 to 24 modules+ circuit breaker + 2 terminal blocks



2742D



2748

Technical specifications

- Door & frame with electrostatic painting
- Built-in tank with electrostatic painting
- Door elements, modules and circuit breaker in galvanized steel
- Terminal block in brass
- Colour: white for tank, frame & door
- Assigned tension: 230v/400V ac 50/60 Hz
- Maximum assigned voltage: 100A
- IP40 with door & IP20 without door
- Terminal block connection capacity max: 16mm2

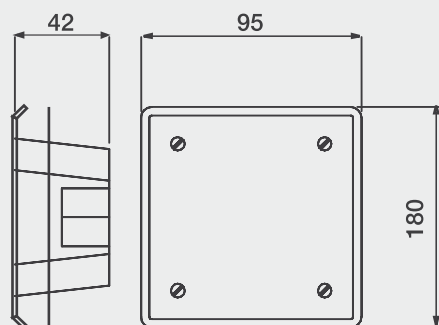
Normative specifications

- Conforms to norms NF EN60439 & NF C61-910 & NF EN60439-3
- Conforms to directive low tension: marking CE, 2006/95/CE

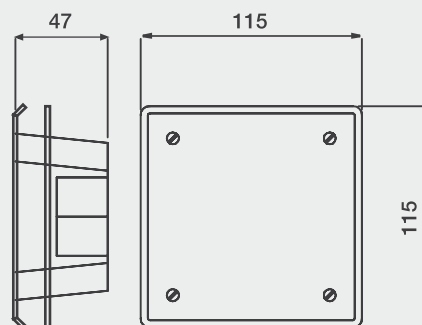
References

PACK.	REF.	DESIGNATION	DIMENSIONS
Metallic distribution cabinet			
1/1	2742D	Flush mounting distribution cabinet 42 modules +D	710*430*150
1/1	2748	Flush mounting distribution cabinet 48 modules	710*430*150

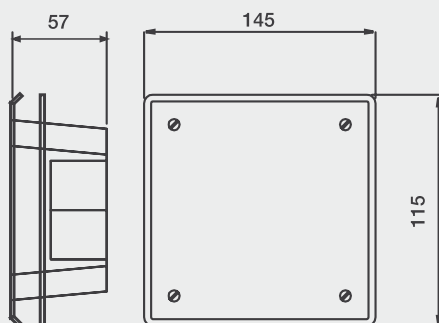
JUNCTION BOXES



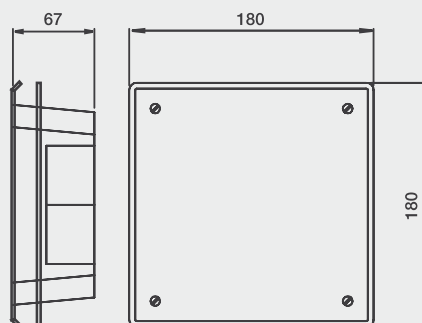
Ref. 2308



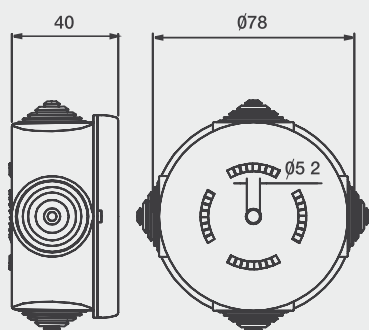
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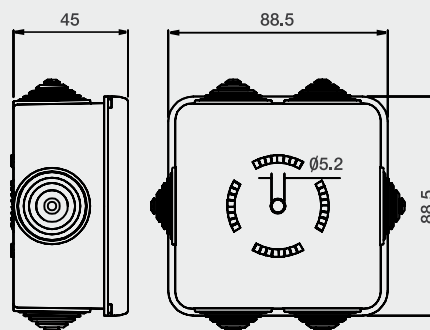
Ref. 2313



Ref. 2316

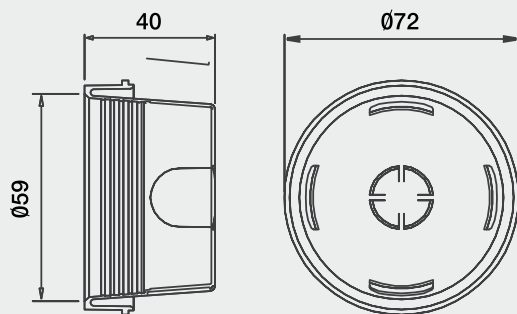


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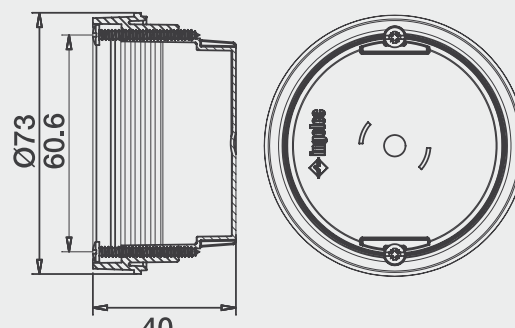


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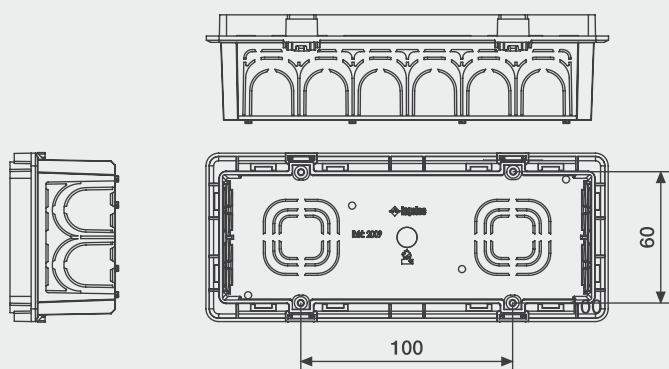
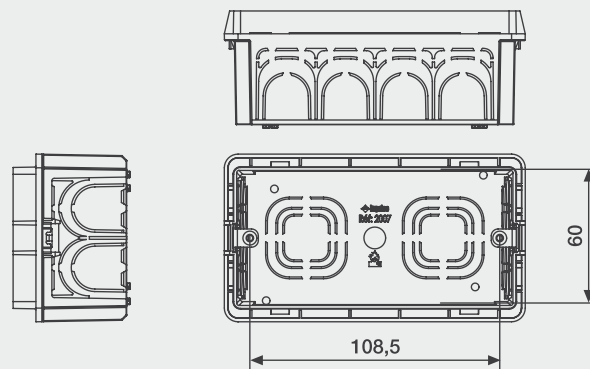
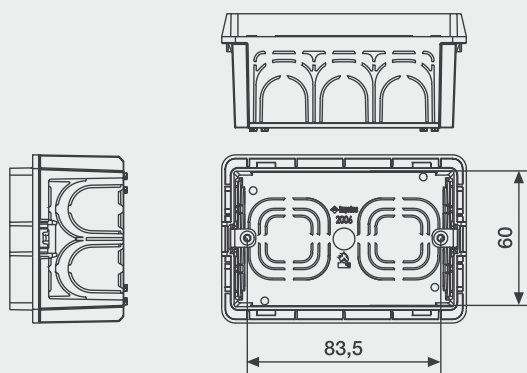
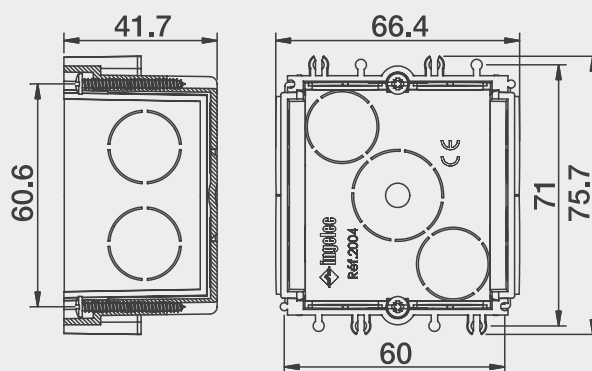
FLUSH MOUNTING BOXES



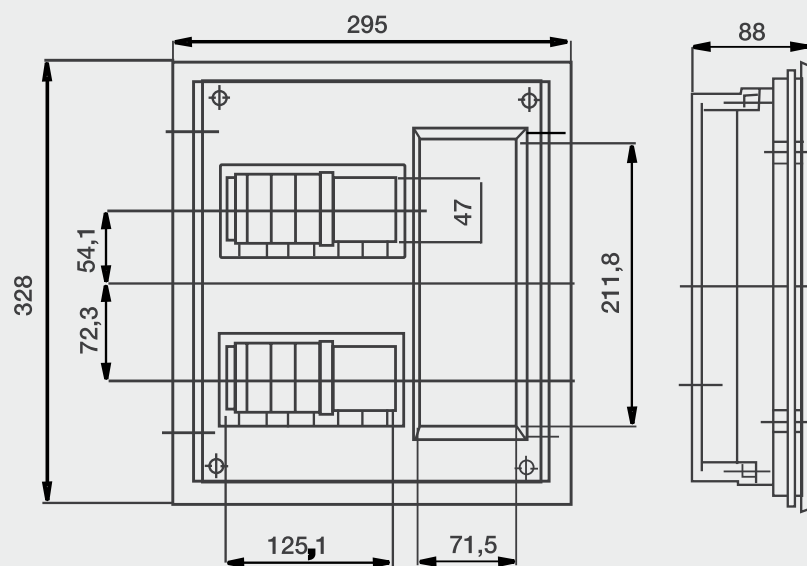
Ref. 2001C



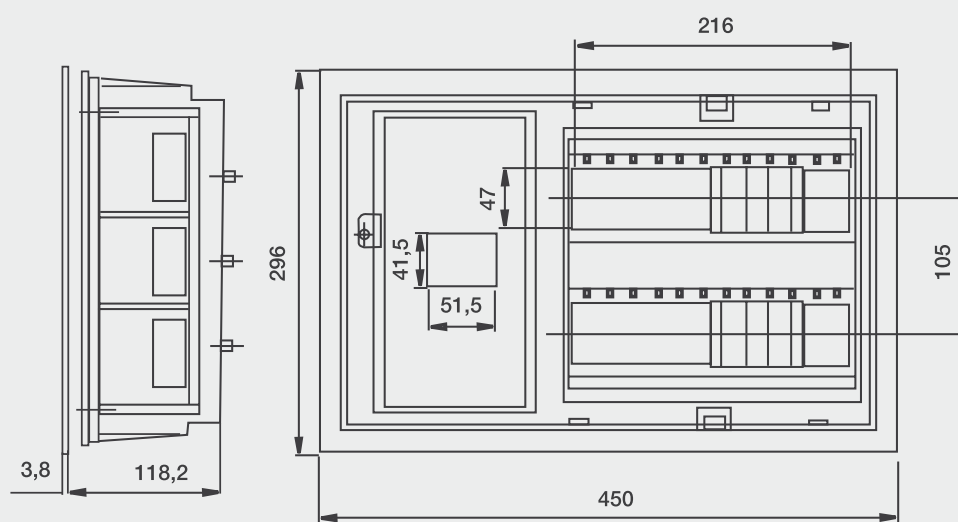
Ref. 2003C

Ref. 2009
Box 6 modules 190x97x50Ref. 2007
Box 4 modules 190x97x50Ref. 2006
Box 3 modules 190x97x50Ref. 2007
Box 2 modules 190x97x50

FLUSH MOUNTING DISTRIBUTION CABINETS A

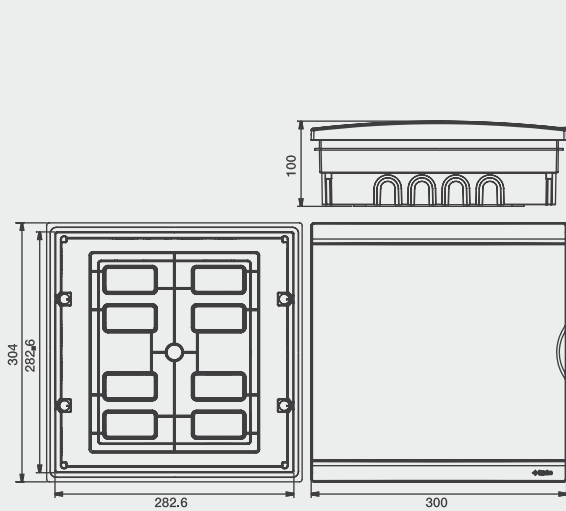


Ref. 2914D

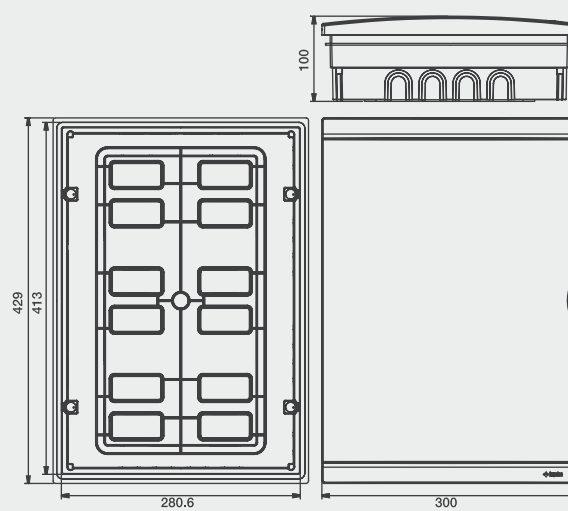


Ref. 2920D

FLUSH MOUNTING DISTRIBUTION CABINETS B

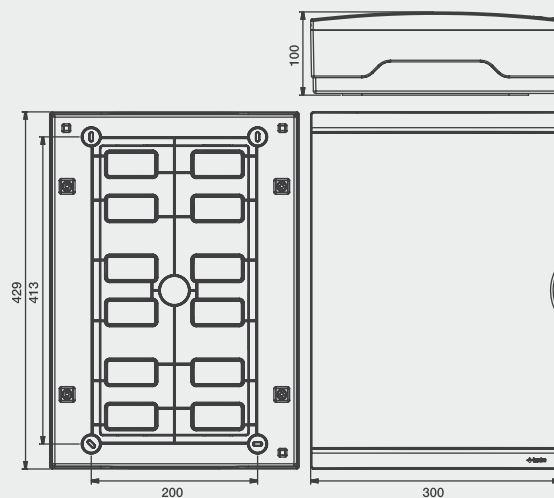


Ref. 2726/E

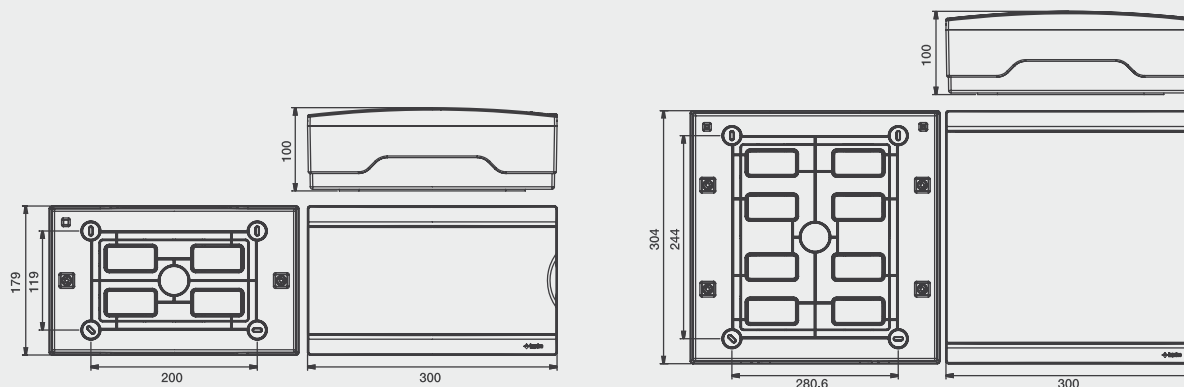


Ref. 2739/E

SURFACE MOUNTING DISTRIBUTION CABINETS B



Ref. 2739/A



Ref. 2713/A

Ref. 2726/A

PROTECTION



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IMPULSE RELAY	87

INGELEC SECURIS A RENEWED OFFER OF PROTECTION

The securis range of ingelec is a range designed for optimal and complete protection of people and property in residential and commercial buildings.

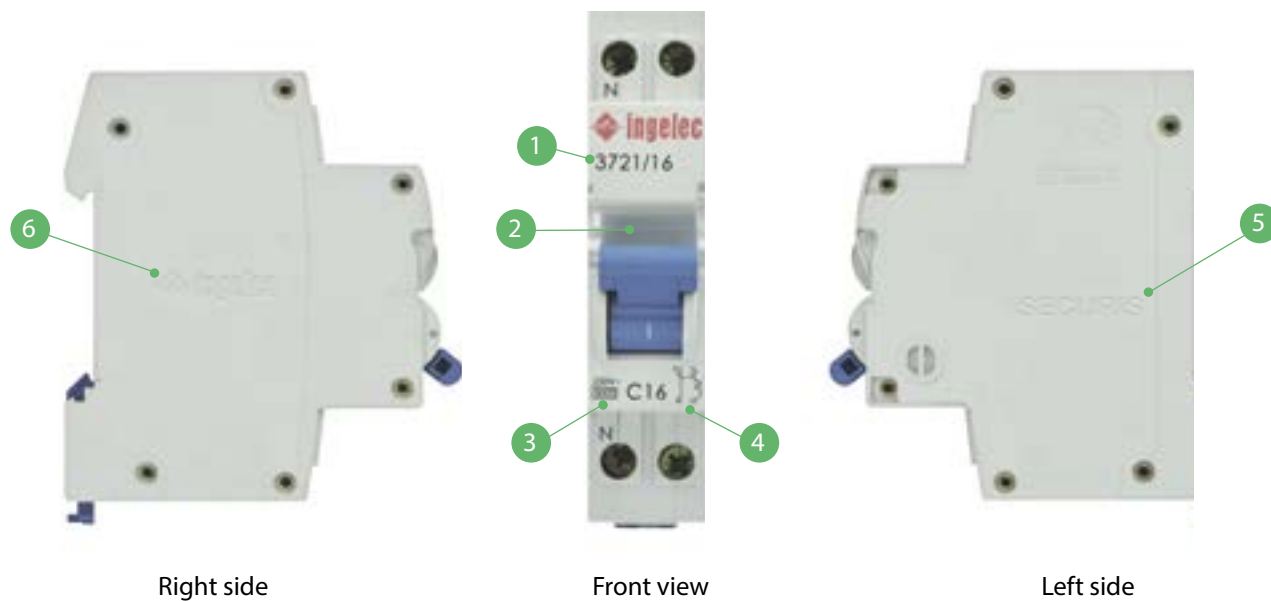
Securis circuit breakers guarantee the protection of goods and conductors against excessive heating which can generate fire risks due to prolonged overloads of the electrical installation.

The Residual Current Circuit Breaker ensure, in addition to their short-circuit and overload breaking powers, the detection of a current difference between the phase and the neutral if an insulation fault exists for maximum protection people.

An offer of **connection accessories** is also proposed to ensure a fast, secure and compliant installation.



New design



Unified design



Circuit breaker single pole



Circuit breaker unipolar + Neutral



3721/16



3701/06



3702/06



3703/10



3704/20

Technical specifications

- Type of protection: overload and short circuits
- Number of poles: 1P, 2P, 3P, 4P
- Caliber: 6A, 10A, 16A, 20A, 25A, 32A, 40A, 63A
- Nominal voltage: 230V-400V
- Rated insulation voltage: 500V
- Rated frequency : 50/60 Hz
- Breaking capacity: 3000A
- Resistance to shocks : 4000V
- Dielectric test voltage : 2 kV
- Electrical endurance : 4000
- Mechanical endurance : 10000
- Mounting : On DIN-Rail
- Connection : by cable or busbar

Normative specifications

- Conform to standards: EN 60898 et NM 066018
- Degree of protection : IP 20
- Tripping characteristics : C

References

PACK	REF.	DESIGNATION
Miniature Circuit Breaker Single pole		
12/120	3701/06	MCB Single pole 06A
12/120	3701/10	MCB Single pole 10A
12/120	3701/16	MCB Single pole 16A
12/120	3701/20	MCB Single pole 20A
12/120	3701/25	MCB Single pole 25A
12/120	3701/32	MCB Single pole 32A
Miniature Circuit Breaker Unipolar + Neutral		
12/120	3721/06	MCB Unipolar + Neutral 06A
12/120	3721/10	MCB Unipolar + Neutral 10A
12/120	3721/16	MCB Unipolar + Neutral 16A
12/120	3721/20	MCB Unipolar + Neutral 20A
12/120	3721/25	MCB Unipolar + Neutral 25A
12/120	3721/32	MCB Unipolar + Neutral 32A
Miniature Circuit Breaker 2 pole		
6/60	3702/06	MCB 2 pole 6A
6/60	3702/10	MCB 2 pole 10A
6/60	3702/16	MCB 2 pole 16A
6/60	3702/20	MCB 2 pole 20A
6/60	3702/25	MCB 2 pole 25A
6/60	3702/32	MCB 2 pole 32A

PACK	REF.	DESIGNATION
Miniature Circuit Breaker 3 pole		
4/40	3703/06	MCB 3 pole 6A
4/40	3703/10	MCB 3 pole 10A
4/40	3703/16	MCB 3 pole 16A
4/40	3703/20	MCB 3 pole 20A
4/40	3703/25	MCB 3 pole 25A
4/40	3703/32	MCB 3 pole 32A
4/40	3703/40	MCB 3 pole 30A
4/41	3703/63	MCB 3 pole 63A
Miniature Circuit Breaker 4 pole		
3/30	3704/06	MCB 4 pole 6A
3/30	3704/10	MCB 4 pole 10A
3/30	3704/16	MCB 4 pole 16A
3/30	3704/20	MCB 4 pole 20A
3/30	3704/25	MCB 4 pole 25A
3/30	3704/32	MCB 4 pole 42A
3/30	3704/40	MCB 4 pole 40A
3/30	3704/63	MCB 4 pole 63A



3732/40



3722/25



3724/25

Technical specifications

- Type of protection : leakage currents
- Shape of the leakage current : AC
- Number of poles : 2P, 4P
- Caliber: 25A, 40A, 63A
- Nominal voltage : 230V-400V
- Rated insulation voltage : 500V
- Nominal sensitivity $I_{\Delta n}$: 0.03; 0.3 (A)
- Differential breaking power assigns $I_{\Delta m}$ (A) : 630 ($I_n = 63A$)
- Differential short-circuit conditional current assigns $I_{nc} = I_{\Delta c}$ (A) : 6000
- Upstream protection (A) : 10,000
- Cutoff time under $I_{\Delta n}$ (S) : ≤ 0.1
- Nominal frequency (Hz) : 50/60
- Resistance to shocks (1.2 / 50) Uimp (V): 6000
- Dielectric strength (1mn to 50Hz) kV : 2.5
- Degree of pollution : 2
- Electrical endurance : 2,000
- Power failure indicator : Yes

Normative specifications

- Conform to standards : IEC61008-1
- Degree of protection : IP 50
- All metal parts (cages + screws) are compatible with the RoHs directive.

References

PACK	REF.	DESIGNATION
2 Pole Type AC Residual Current Circuit Breaker		
1/20	3722/25	2 Pole Type AC Residual Current Circuit Breaker - 25A / 30mA
1/20	3732/25	2 Pole Type AC Residual Current Circuit Breaker - 25A / 300mA
1/20	3722/40	2 Pole Type AC Residual Current Circuit Breaker - 40A / 30mA
1/20	3732/40	2 Pole Type AC Residual Current Circuit Breaker - 40A / 300mA
1/20	3722/63	2 Pole Type AC Residual Current Circuit Breaker - 63A / 30mA
1/20	3732/63	2 Pole Type AC Residual Current Circuit Breaker - 63A / 300mA
4 Pole Type AC Residual Current Circuit Breaker		
1/10	3724/25	4 Pole Type AC Residual Current Circuit Breaker - 25A / 30mA
1/10	3734/25	4 Pole Type AC Residual Current Circuit Breaker - 25A / 300mA
1/10	3724/40	4 Pole Type AC Residual Current Circuit Breaker - 40A / 30mA
1/10	3734/40	4 Pole Type AC Residual Current Circuit Breaker - 40A / 300mA
1/10	3724/63	4 Pole Type AC Residual Current Circuit Breaker - 63A / 30mA
1/10	3734/63	4 Pole Type AC Residual Current Circuit Breaker - 63A / 300mA



6221

Technical specifications

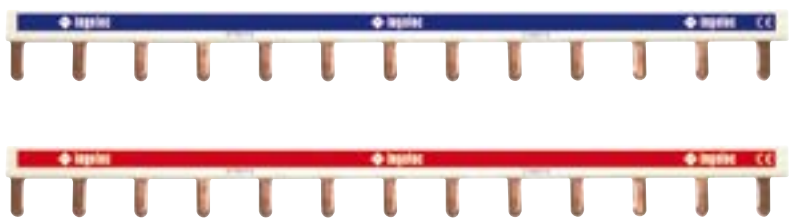
- Thermoplastic envelope in light gray Self-extinguishing:
 - Fire resistance at 960 ° C
 - Resistance to the ball at 125 ° C.
- Rated voltage, frequency and power consumption : 230V AC - 50Hz - 10VA
- Connection to screw terminals
 - Intensity of the sound signal : 80 dB +/- 10% at 1 meter
 - Connection capacity : 1-10mm²
 - Width of a Module : 17,5mm
- IP20 degree of protection

Normative specifications

- Conform to standards : EN 60439-1

References

PACK	REF.	DESIGNATION
Bell transformer		
16/60	6221	Bell transformer



2700/13

Technical specifications

- Gray insulating sheath made of self-extinguishing thermoplastic material :
 - Fire at 960 ° C
 - At 100 ° C heat
- Pure copper bar : 36g
- Allowable Intensity : 63A
- Isolation voltage 500VAC
- Maximum number of connectable modules : 13
- Current indication marking :
 - Blue on one side to indicate the neutral
 - Red on the other to indicate the phase
- Section 14mm² : 2x7mm

Normative specifications

- Conform to standards : EN 60439-1

References

PACK	REF.	DESIGNATION
Busbar		
20/400	2700/13	Busbar unipolar 13 modules



3753/10

Technical specifications

- The time delay performed by a CMOS integrated circuit guarantees high accuracy and low power consumption as well as a small.
- Very high breaking power :
 - 3500 W for incandescent lamps & fluorescent lamps with series compensation
 - 2500 W for fluorescents with parallel compensation
- Rated load : 16 A / 250 VAC
- Control voltage : 230 VAC 50/60 Hz.
- Timer with progressive adjustment from 30 s to 15 min.
- Suitable for 3- or 4-wire connection
- Illuminated pushbutton without compensation above 50 mA
- Using push buttons
 - Not bright : Unlimited
 - Bright 3-pin : Unlimited
 - 2-terminal light : 83 buttons.
- Cage terminals with captive screws
- Connection : min : 1.5mm², max : 10 mm²

Normative specifications

- Electrical endurance :
 - With a load of 1200 W : 2 million cycles
 - At full load : 300 000 cycles
- Mechanical endurance : 10,000,000 cycles
 - 3-position switch on the front panel :
 - * Automatic
 - * Stop
 - * Continuous walk
 - 1 closing contact (Contact F)
- Conforms to the standard : CE and EN 60669-2-3
- Protection class IP20, Class II

References

PACK	REF.	DESIGNATION
Electronic time-lag switch		
10/60	3753/10	Electronic time-lag switch



3750/10

Technical specifications

- 2 terminals with 10mm lead cages with screw
- Cut off capacity :
 - AC1 : 16A + 32A, under 250/400 VAC
- Control voltages:
 - 230 VAC / 115 VDC,
 - 48 VAC / 24 VDC,
 - 24 VAC / 12 VDC
- Connection: min: 1.5mm2, max : 10 mm2
- Operating temperature between -20 ° C and + 45 ° C
- Using pushbuttons
 - Not bright: Unlimited
 - Bright 3 pins: Unlimited
 - Luminous 2 terminals : 8 light push buttons of 0.6 mA without compensator
- Cut off capacity :
 - Incandescent or halogen lamps under 230V-50Hz: 3000W
 - Halogen lamps under 12V or 24V: 2300W
 - Fluorescent lamps: 2500W

Normative specifications

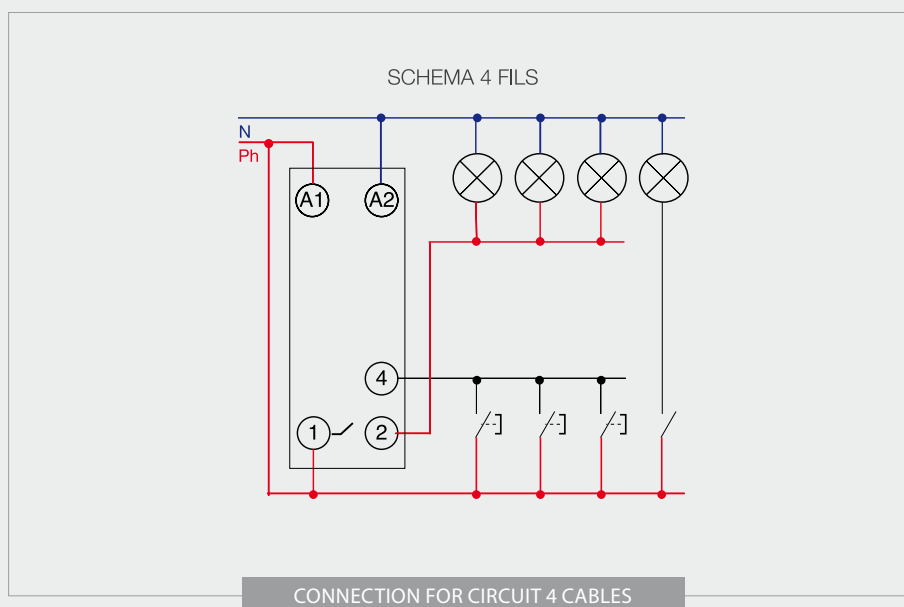
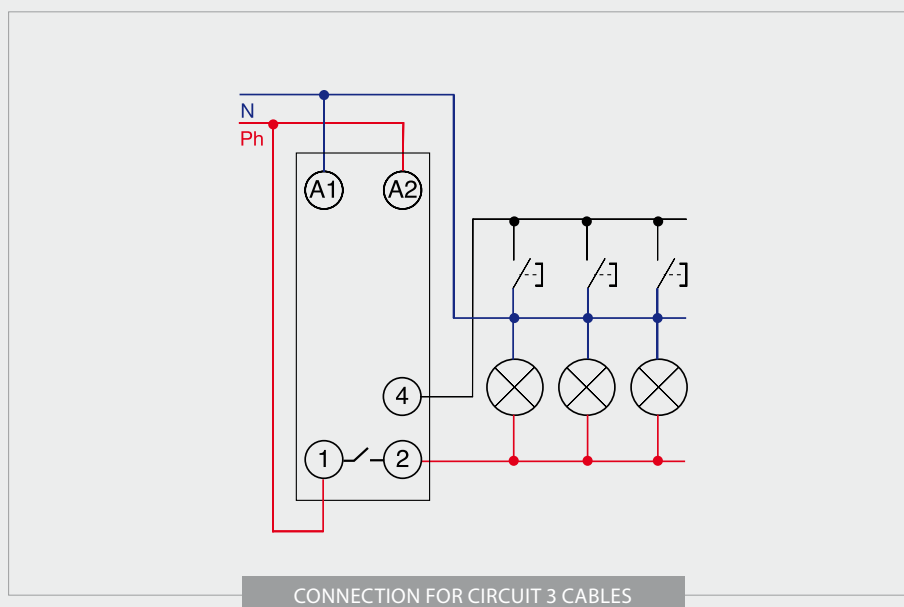
- Lifetime (in number of operations) :
 - Electric AC-1 at full load : 400 000 cycles
 - Mechanics : 2,000,000 cycles
- IP20 degree of protection
- Conforms to the standard : CE and EN 60669-2-2

References

PACK	REF.	DESIGNATION
Impulse relay		
10/60	3750/10	Impulse relay

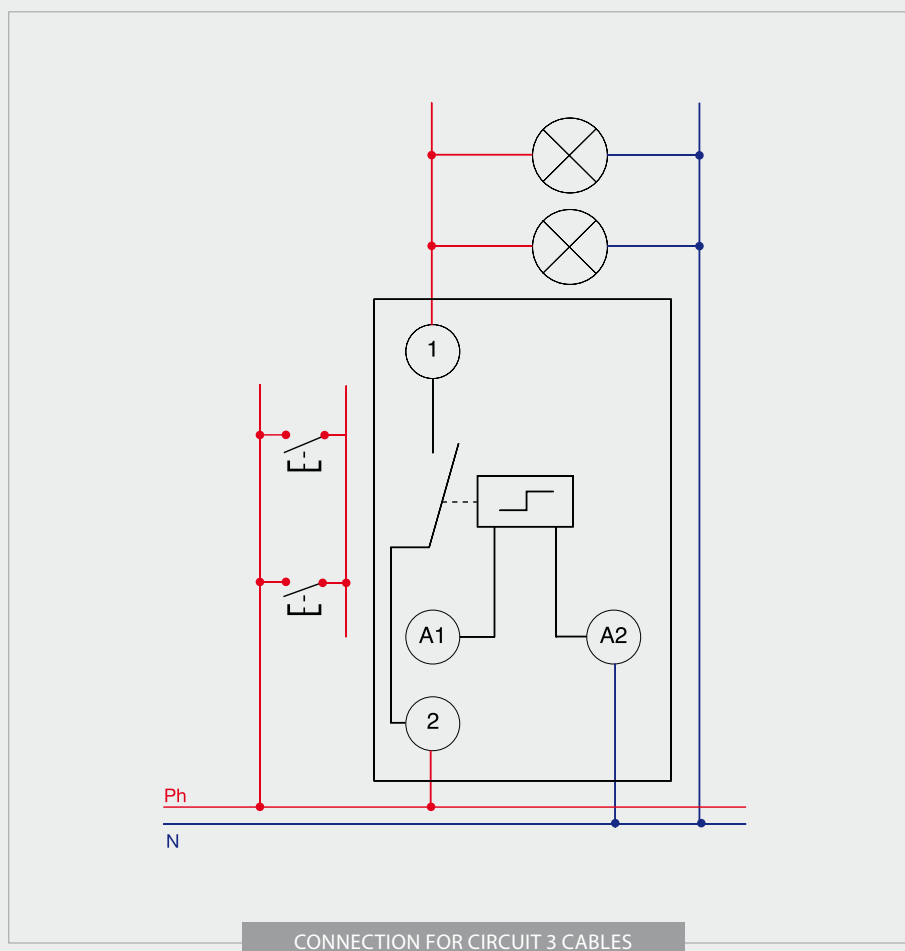
TECHNICAL DRAWING

ELECTRONIC TIME-LAG SWITCH

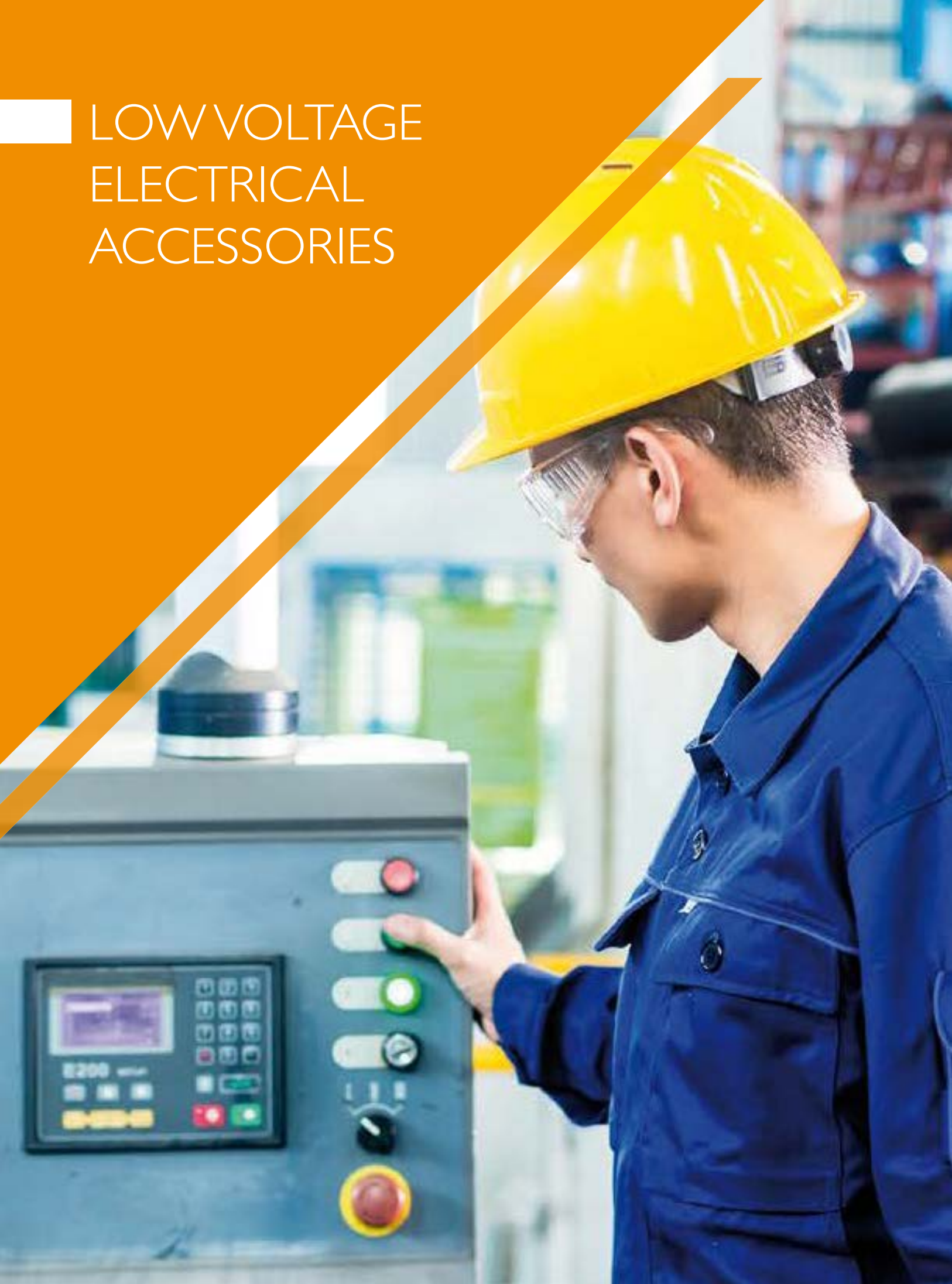


TECHNICAL DRAWING

IMPULSE RELAY



LOW VOLTAGE ELECTRICAL ACCESSORIES



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1545/3



1536



1713/1

Technical specifications

- 3 sockets outlet 2P+E french standard
- Type E electrical plug
- Socket with child protection shutters
- Flexible cable of 3G 1mm² H05VV-F
- Cable length : 1.5m or 3m
- Wall mounting possibility

Electrical Specifications

- 16A Max. Power : 3680W at 230V

Normative

- Conform to standards : sockets : NF C 61-314 cables : NF C 32 201-1 & NF C 32 201-5

References

EMB.	REF.	DESIGNATION
On/Off switch with a light indicator		
1/20	1536	White Power Strip - 3 outlet sockets 2P+E with flexible cable of 1.5m
1/20	1536/3	White Power Strip - 3 outlet sockets 2P+E with flexible cable of 3m
On/Off switch with a light indicator		
1/20	1713/1	White power strip - 3 outlet sockets 2P+E with flexible cable of 1.5m
1/20	1713/3	White power strip - 3 outlet sockets 2P+E with flexible cable of 3m
On/Off switch with a light indicator		
1/20	1545	White square power strip - 3 outlet sockets 2P+E with flexible cable of 1.5m
1/20	1545/3	White square power strip - 3 outlet sockets 2P+E with flexible cable of 3m



1546



1814/1



1714/1

Technical specifications

- 4 sockets outlet 2P+E french standard
- Type E electrical plug
- Socket with child protection shutters
- Flexible cable of 3G 1mm² H05VV-F
- Cable length : 1.5m or 3m
- Wall mounting possibility

Electrical Specifications

- 16A Max. Power : 3680W at 230V

Normative

- Conform to standards : sockets : NF C 61-314 cables : NF C 32 201-1 & NF C 32 201-5

References

EMB.	REF.	DESIGNATION
On/Off switch with a light indicator		
1/20	1714/1	White power strip - 4 outlet sockets 2P+E with flexible cable of 1.5m
1/20	1714/3	White power strip - 4 outlet sockets 2P+E with flexible cable of 3m
On/Off switch with a light indicator		
1/20	1546	White square power strip - 4 outlet sockets 2P+E with flexible cable of 1.5m
1/20	1546/3	White square power strip - 4 outlet sockets 2P+E with flexible cable of 3m
1/20	1814/1	White power strip - 4 outlet sockets 2P+E with flexible cable of 1.5m
1/20	1814/3	White power strip - 4 outlet sockets 2P+E with flexible cable of 3m



Technical specifications

Power strip 5 or 6 outlet sockets are equipped with :

- 5x2P+E or 6x2P+E French standard
- Type E electrical plug

Power strip 7 outlet sockets is equipped with :

- 3x2P+E and 4x2P French standard
- Type E electrical plug
- Flexible cable of 3G 1mm² H05VV-F
- Cable length : 1.5m or 3m
- Socket with child protection shutters
- Wall mounting possibility

Electrical Specifications

- 16A Max. Power : 3680W at 230V

Normative specifications

- Conform to standards : sockets : NF C 61-314 cables : NF C 32 201-1 & NF C 32 201-5

References

EMB.	REF.	DESIGNATION
On/Off switch with a light indicator		
1/20	1715/1	White power strip - 5 outlet sockets 2P+E with flexible cable of 1.5m
1/20	1715/3	White power strip - 5 outlet sockets 2P+E with flexible cable of 3m
1/20	1566	White power strip - 6 outlet sockets 2P+E with flexible cable of 1.5m
1/20	1566/3	White power strip - 6 outlet sockets 2P+E with flexible cable of 3m
On/Off switch without a light indicator		
1/20	1815/1	White power strip - 5 outlet sockets 2P+E with flexible cable of 1.5m
1/20	1815/3	White power strip - 5 outlet sockets 2P+E with flexible cable of 3m
1/20	1816/1	White power strip - 6 outlet sockets 2P+E with flexible cable of 1.5m
1/20	1816/3	White power strip - 6 outlet sockets 2P+E with flexible cable of 3m
On/Off switch with a light indicator		
1/20	1727	White power strip - 7 outlet sockets 4xP and 3x2P+E with flexible cable of 1.5m
1/20	1727/3	White power strip - 7 outlet sockets 4xP and 3x2P+E with flexible cable of 3m



1794/1



1798/1

Technical specifications

Power strip 4,6 and 8 outlet sockets are equipped with:

- 4x2P+E ; 6x2P+E or 8x2P+E French standard
- Type E electrical plug
- To be equipped with flexible cable of 3G 1.5mm² or 3G 1mm²
- Cable length : 1.5m or 3m
- Socket with child protection shutters
- Wall mounting possibility

Electrical Specifications

- 16A Max. Power : 3680W at 230V

Normative specifications

- Conform to standards : sockets : NF C 61-314 cables : NF C 32 201-1 & NF C 32 201-5

References

EMB.	REF.	DESIGNATION
1/20	1794/1	Aluminum power strip - 4 outlet sockets 2P+E with flexible cable of 1.5m 16A
1/20	1796/1	Aluminum power strip - 6 outlet sockets 2P+E with flexible cable of 1.5m 16A
1/20	1796/3	Aluminum power strip - 6 outlet sockets 2P+E with flexible cable of 3m 16A
1/20	1798/1	Aluminum power strip - 8 outlet sockets 2P+E with flexible cable of 1.5m 16A
1/20	1798/3	Aluminum power strip - 8 outlet sockets 2P+E with flexible cable of 3m 16A



1724/5

Technical specifications

- 4 sockets outlet 2P french standard
- Type C electrical plug
- Socket with child protection shutters
- Flexible cable of 2G 1mm² H05VV-F
- Cable length : 5m
- Wall mounting possibility

Electrical Specifications

- Power : 2200W for unreeled cable
- Power : 1540W for wired cable
- Voltage : 230V

Normative specifications

- Conform to standards : sockets : NF C 61-314 cables : NF C 32 201-1 & NF C 32 201-5

References

EMB.	REF	DESIGNATION
Cable reels for domestic use 5M 2P		
1/10	1724/5	Cable reels for domestic use - 4 socket 2P with flexible cable of 5m



Technical specifications

- 4 sockets outlet 2P french standard
- Type E electrical plug
- Thermal circuit breaker for switches off automatically when overloaded (ref 1744/5)
- Socket with child protection shutters
- Flexible cable of 3G 1mm² H05VV-F
- Cable length : 5m
- Wall mounting possibility

Electrical Specifications

- Power : 3000W (ref.1734/5) and 3500W (ref.1744/5) for unreeled cable or 1540W if the cable is wired
- Voltage : 230V

Normative specifications

- Conform to standards : sockets : NF C 61-314 cables : NF C 32 201-1 & NF C 32 201-5

References

EMB.	REF	DESIGNATION
Cable reels for domestic use 5M 2P+E		
1/10	1734/5	Cable reels for domestic use - 4 socket 2P+E with flexible cable of 5m
1/10	1744/5	Cable reels whith protection for domestic use - 4 socket 2P+E whith flexible cable of 5m



1734/10



1744/10

Technical specifications

- 4 sockets outlet 2P+E french standard
- Type E electrical plug
- Thermal circuit breaker for switches off automatically when overloaded (ref 1744/10)
- Socket with child protection shutters
- Flexible cable of 3G 1mm² H05VV-F
- Cable length : 10m
- Wall mounting possibility

Electrical Specifications

- Power : 3000W (ref.1734/10) and 3500W (ref.1744/10) for unreeled cable or 1540W if the cable is wired
- Voltage : 230V

Normative specifications

- Conform to standards : sockets : NF C 61-314 cables : NF C 32 201-1 & NF C 32 201-5

References

EMB.	REF.	DESIGNATION
Cable reels for domestic use 10M 2P+E		
1/10	1734/10	Cable reels for domestic use - 4 socket 2P+E with flexible cable of 10m
1/10	1744/10	Cable reels whith protection for domestic use - 4 socket 2P+E with flexible cable of 10m



1764/15R



1764/15N

Technical specifications

- 4 sockets ou
- tlet 2P+E french standard
- Type E electrical plug
- Thermal circuit breaker for switches off automatically when overloaded (ref 1744/10)
- Socket with child protection shutters
- Flexible cable of 3G 1mm² H05VV-F
- Cable length : 10m
- Wall mounting possibility

Electrical Specifications

- Power : 3000W (ref.1734/10) and 3500W (ref.1744/10) for unreeled cable or 1540W if the cable is wired
- Voltage : 230V

Normative specifications

- Conform to standards : sockets : NF C 61-314 cables : NF C 32 201-1 & NF C 32 201-5

References

EMB.	REF.	DESIGNATION
Cable reels for professional use 15m		
1/4	1764/15N	Black cable reels for professional use - 4 sockets 2P with flexible cable of 15m
1/4	1764/15R	Red cable reels for professional use - 4 sockets 2P with flexible cable of 15m



1764/50R



1764/25N

Technical specifications

- 4 sockets 2P+E French standard
- Type E electrical plug
- Flexible cable of 3G 1,5mm² H05VV-F
- Thermal circuit breaker for switches off automatically when overloaded
- Cable length : 25m and 50m
- Black or red drum colors
- Dimensions 288x196 mm, height : 392 mm

Electrical Specifications

- Maximum power :
 - Power output fully unwound 1500W
 - Power output fully wound 3680W
- Current : 16A
- Voltage : 230V

Normative specifications

- Conform to standards : sockets : NF C 61-314 cables : NF C 32 201-1 & NF C 32 201-5
- Cable reels : NF EN 61242
- Metal support in accordance with salt spray test 2x168 hours

References

EMB.	REF	DESIGNATION
Cable reels for professional use 25m		
1	1764/25N	Black cable reels for professional use - 4 sockets 2P with flexible cable of 25m
1	1764/25R	Red cable reels for professional use - 4 sockets 2P with flexible cable of 25m
Cable reels for professional use 50m		
1	1764/50N	Black cable reels for professional use - 4 sockets 2P with flexible cable of 50m
1	1764/50R	Red cable reels for professional use - 4 sockets 2P with flexible cable of 50m



1510/5

Technical specifications

- Male Plug 2P + E French standard
- Femal plug 2P+E French standard
- Socket with child protection shutters
- Flexible cable of 3G 1,5mm² H05VV-F
- Cable length : 5m

Electrical Specifications

- maximum power : 3500 W
- Current : 16A
- Voltage: 230V

Normative specifications

- Conform to standards : sockets: NF C 61-314 cables: NF C 32 201-1 & NF C 32 201-5

References

EMB.	REF	DESIGNATION
1/10	1510/3	2P+E extension lead french standard - 3 m - white
1/10	1510/5	2P+E extension lead french standard - 5 m - white
1/5	1510/10	2P+E extension lead french standard - 10m - white



4076



4095S

Technical specifications

- Screw connection
- Diameter of the plug 2P+E : 48mm
- 19mm spacing for round cable

Electrical Specifications

- Current : 16A
- Voltage : 230V

Normative specifications

- Conform to standard: NF C 61 314
- Resistance to glow wire test : 850°

References

EMB.	REF.	DESIGNATION
20/400	4096	Male 2P+E plug white
20/400	4096G	Male 2P+E plug grey
10/200	4095S	Extension plastic with ring 2P+E white
10/200	4095GS	Extension plastic with ring 2P+E grey



4141



4142

Technical specifications

- Male plug
 - Polypropylene cover for good flexural strength
 - Available in 2 colors black and ivory
- Female Plug
 - Polycarbonate cover for good resistance and good electrical insulation
 - Polypropylene cover for good flexural strength
 - Available in 2 colors black and ivory

Electrical Specifications

- Current : 6A
- Voltage: 250V
- 1.5mm² cable section

Normative specifications

- Conform to standards: NF C 61 314 and NM 066 090

References

EMB.	REF.	DESIGNATION
50/1000	4141	Male 2P plug 6A ivory
50/1000	4141N	Male 2P plug 6A black
30/600	4142	female 2P plug 6A ivory
30/600	4142N	female 2P plug 6A black



4104



4105

Technical specifications

- 2P multi-outlet
 - multi-socket format : T-block or lateral plug
 - 3 side outputs 2P – 6A
 - Socket with shutters for child safety
- 2P+E multi-outlet
 - multi-socket format : T-block or lateral plug
 - 3 side outputs 2P+T – 16A
 - Socket with shutters for child safety

Electrical Specifications

- 2P multi-outlet current : 6A
- 2P+E multi-outlet current: 16A
- Voltage: 230V
- Maximum power : 3680W

Normative specifications

- Conform to standards: NF C 61 314 and NM 066 090
- Fire resistance to 750 °

References

EMB.	REF.	DESIGNATION
10/80	4104	2P multi-socket plug 6A - french std - 3 side outlets white
8/64	4105	2P+E multi-socket plug 16A - french std - 3 side outlets white



5005/10

Technical specifications

- Thermoplastic cover for high strength
- White color

Electrical Specifications

- Current : 2A
- Voltage: 230V

Normative specifications

- Conform to standards: NF C 61058-2-1
- Fire resistance to 850 °

References

EMB.	REF.	DESIGNATION
30/600	5005/10	Cord switche white



7422

Technical specifications

B22 lampholder

- Intended for lamp with base B22 and power 150w
- Available with single ring or dual ring
- Screw connection

Normative specifications

- Conform to standards: NF EN 61 184

References

EMB.	REF.	DESIGNATION
Douilles B22		
30/600	7422	B22 Lampholder single ring
30/600	7421	B22 Lampholder dual ring



6321

Technical specifications

- Easy fastening system
- Voltage: 220V
- Soft melody thanks to the quality of the blades

References

EMB.	REF.	DESIGNATION
Carillon		
1/20	6321	Chime two piano tone 220V



11120/AP

11095/AP

11070/AP

LINE TAPS

Enables connection of additional wires without cutting main conductor

Technical specifications

- PA6 body and hood with high resistance to heat and fire
- brass terminal
- Brass screw with mechanical thread
- Color : gray
- Fixing by screws M3 and M5

Electrical Specifications

REFERENCE	VOLTAGE	CURRENT(A)
11025/AP	500V	125A
11035/AP	500V	125A
11050/AP	1000V	150A
11070/AP	1000V	192A
11095/AP	1000V	232A
11120/AP	1000V	269A

Normative specifications

- Conform to standards : NF EN 60695-2-10, EN 60998-1, EN 60998-2-1 and Rohs

References

EMB	REF.	DESIGNATION
Line taps		
360	11025/AP	Line tap strip 2x25mm ² with feet
240	11035/AP	Line tap strip 2x35mm ² with feet
100	11050/AP	Line tap strip 2x50mm ² with feet
80	11070/AP	Line tap strip 2x70mm ² with feet
50	11095/AP	Line tap strip 2x95mm ² with feet
50	11120/AP	Line tap strip 2x120mm ² with feet



1001N

1002

CONNECTION STRIPS

Terminal Block allows the connection of 2 or more conductors with the same diameter.

Technical specifications

- Thermoplastic UL94- V2 grade for better resistance to fire and heat.
- Captive screws in galvanized steel
- Specially designed for cutting the poles without effort and without tools. (Ability to cut a single pole)
- Cages Steel specially treated to withstand high currents and guarantee good resistance to attraction.
- Heat resistance to 100 ° C
- Fire resistance to 850 ° C in accordance to EN 60 695-2-10
- Block of 12 blocks
- H-type Profile
- Color : Black or White

Electrical Specifications

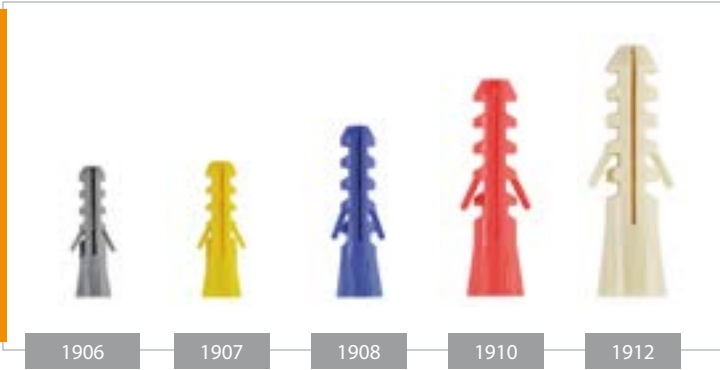
REFERENCE	VOLTAGE	CURRENT(A)
1000	450V	32A
1001	450V	41A
1002	450V	57A
1003	750V	76A
1004	750V	101A

Normative specifications

- Conform to standards: NF EN 60695-2-10, EN 60998-1, EN 60998-2-1 and Rohs

References

EMB	REF.	DESIGNATION
Connection strips		
200	1000	Connection strip 4mm ²
200	1001	Connection strip 6mm ²
200	1002	Connection strip 10mm ²
100	1003	Connection strip 16mm ²
50	1004	Connection strip 25mm ²
200	1000N	Connection strip 4mm ² black
200	1001N	Connection strip 6mm ² black
200	1002N	Connection strip 10mm ² black
100	1003N	Connection strip 16mm ² black
50	1004N	Connection strip 25mm ² black



PLASTIC WALL PLUG

Technical specifications

- Plastic wall plug with many anchor points
- For fixing on concrete or bricks
- One color for each diameter

CABLE CLIPS

Technical specifications

- High quality grey moulded cable clip with steel masonry pin
- Shock resistant material

References

EMB	REF.	DESIGNATION
Plastic wall		
100/5000	1906	Plastic wall plug 6mm
100/5000	1907	Plastic wall plug 7mm
100/2000	1908	Plastic wall plug 8mm
50/1000	1910	Plastic wall plug 10mm
50/800	1912	Plastic wall plug 12mm
Cable Clip		
100/10000	1304	Cable Clip 4mm
100/10000	1305	Cable Clip 5mm
100/10000	1306	Cable Clip 6mm
100/5000	1307	Cable Clip 7mm
100/5000	1308	Cable Clip 8mm
100/5000	1309	Cable Clip 9mm
100/2000	1310	Cable Clip 10mm
100/2000	1312	Cable Clip 12mm
100/2000	1314	Cable Clip 14mm



1620/01N



1630/02



1626/05



1602



1601

CABLE TIES

Technical specifications

- Polyamide
- Operating temperature -40°C to +85°C.
- Good strength resistance.
- Erosion control.
- Good resistance to chemical products.
- UV and run resistance for black references.
- Two colors, for internal and external use.
- Two models : External and internal teeth
 - Internal Teeth : 2.5/3.6/4.7 and 7.6
 - External Teeth : 9.

Normative specifications

- Designed according to: EN 50 146.

References

ACCESSORIES FOR CABLE TIES

Electrical Specifications

- Polyamide
- Operating temperature -40°C to +85°C.
- Resistance to glow wire test : 650°

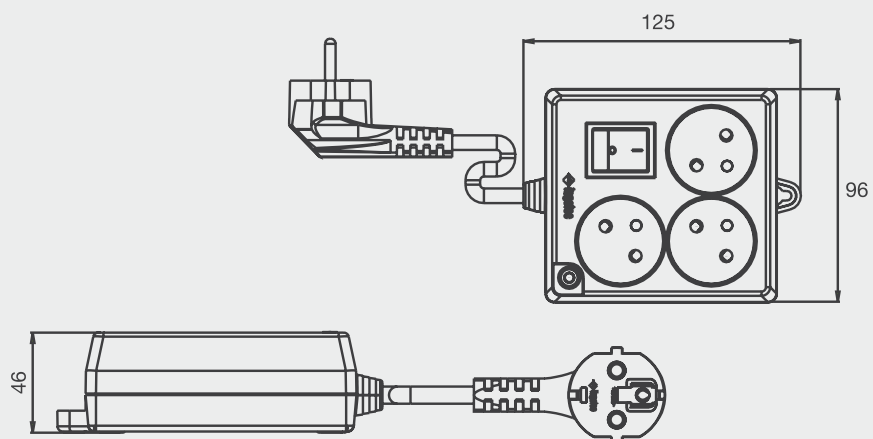
Normative specifications

- Designed according to: EN 50 146

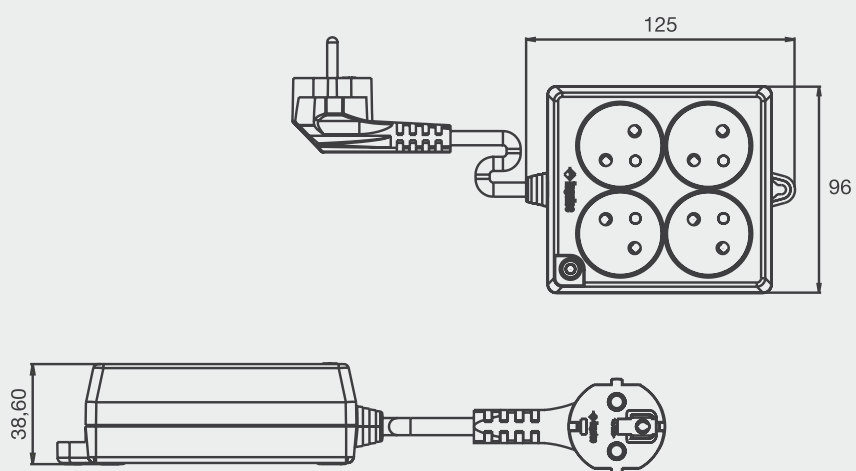
EMB	REF WHITE	REF BLACK	DESIGNATION	Serrage MINI	Serrage MAXI	Tenue MINI en daN
Plastic ties						
100	1610/01	1610/01N	Cable tie 2,5x96mm	1,6	23	8
100	1620/01	1620/01N	Cable tie 2,5x200mm	1,6	46	8
100	1614/02	1614/02N	Cable tie 3,6x140mm	1,6	30	18
100	1630/02	1630/02N	Cable tie 3,6x300mm	1,6	77	22
100	1625/03	1625/03N	Cable tie 4,7x250mm	1,6	60	22
100	1637/03	1637/03N	Cable tie 4,7x370mm	1,6	102	22
100	-	1650/03N	Cable tie 4,7x500mm	3	150	22
100	-	1618/04N	Cable tie 7,6x185mm	4,8	42	53
100	-	1626/04N	Cable tie 7,6x265mm	4,8	68	53
100	-	1634/04N	Cable tie 7,6x340mm	4,8	92	53
100	-	1650/04N	Cable tie 7,5x500mm	4	150	55
100	-	1618/05	Cable tie 9,0x185mm	10	42	36
100	-	1626/05	Cable tie 9,0x265mm	26	62	53
100	-	1635/05	Cable tie 9,0x355mm	26	92	53
100	-	1653/05N	Cable tie 9,0x530mm	8	155	80
100	-	1676/05N	Cable tie 9,0x760mm	10	225	80

EMB	REF.	DESIGNATION
Pack		
10/1000	1601	Screw-on bases
10/1000	1602	Wall plug bases for cable ties

Technical drawings

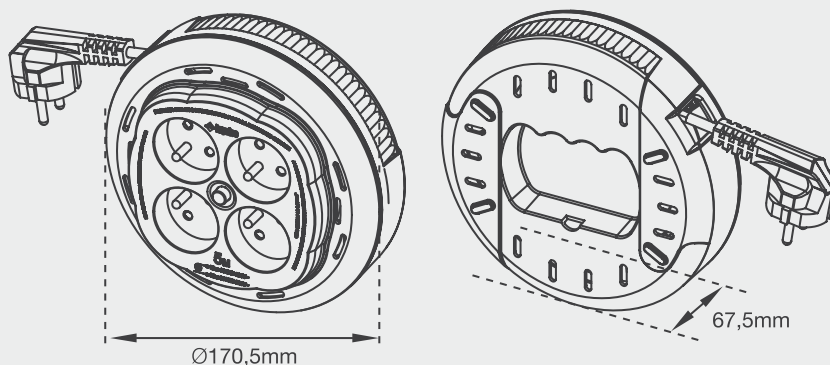


White power strip - 3 outlet sockets 2P+E

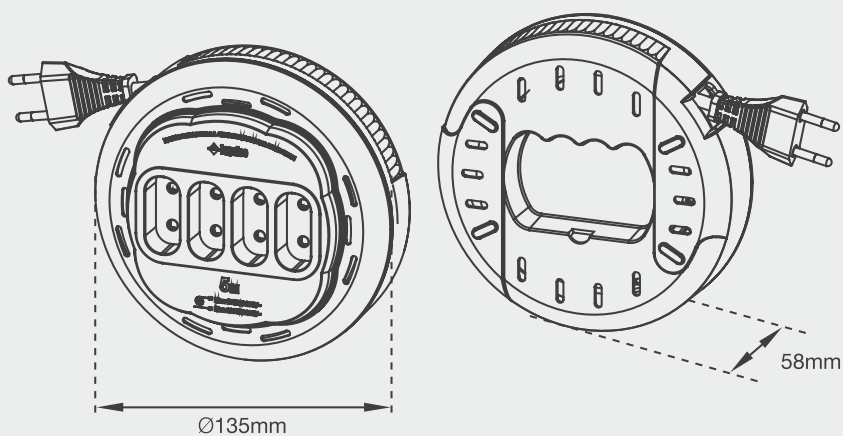


White square power strip - 4 outlet sockets 2P+E

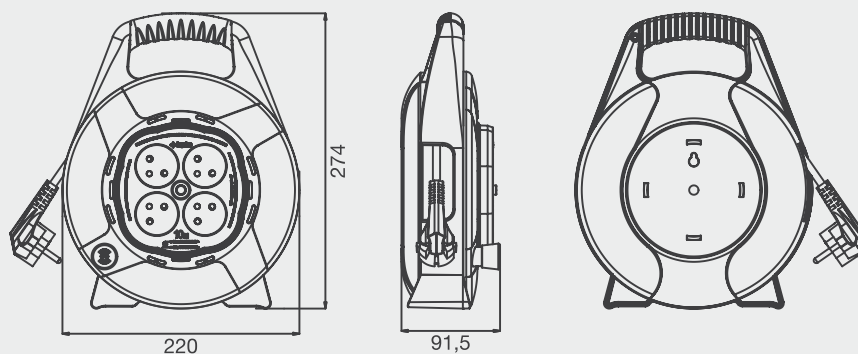
Technical drawings



Cable reels with protection for domestic use -
4 sockets 2P+E

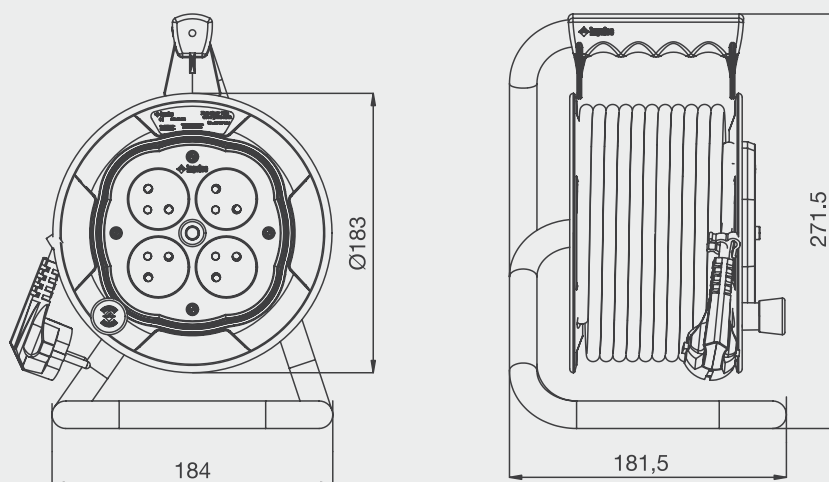


Cable reels for domestic use - 4 sockets 2P

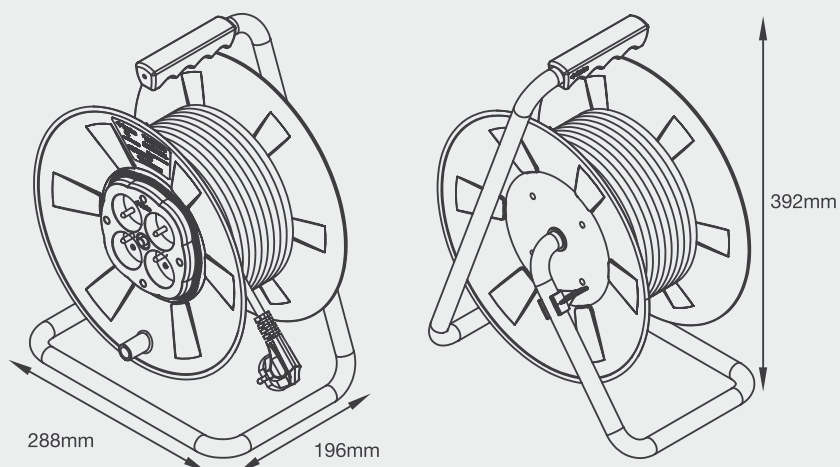


Cable reels with protection for domestic use - 4 socket 2P+E

Technical drawings



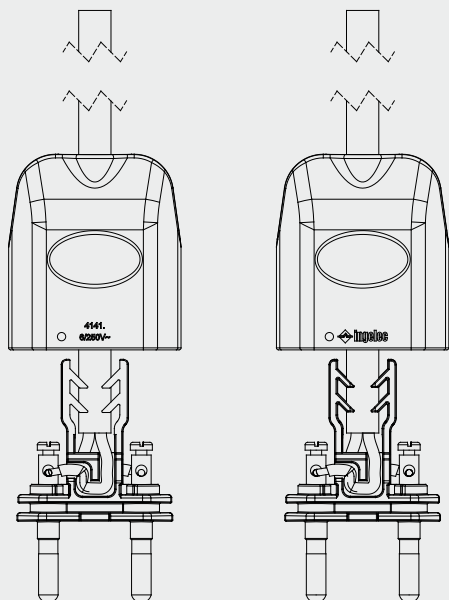
Cable reels for professional use - 4 sockets 2P



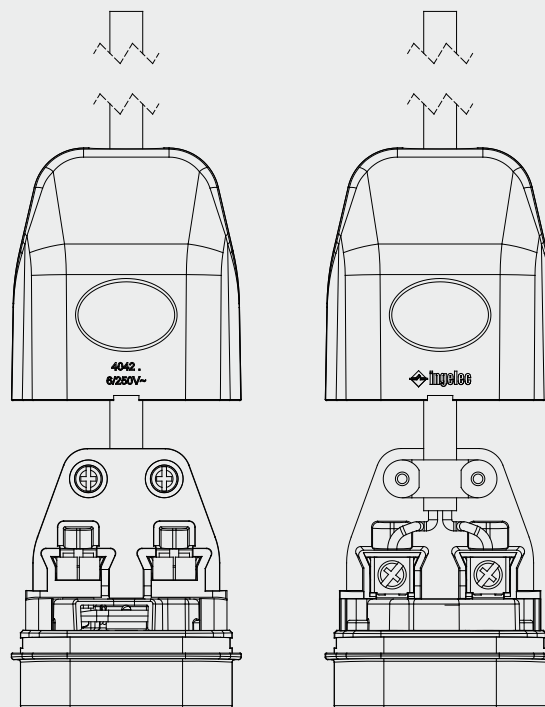
Cable reels for professional use 25m - 50m

Technical drawings

Male plug and Female plug

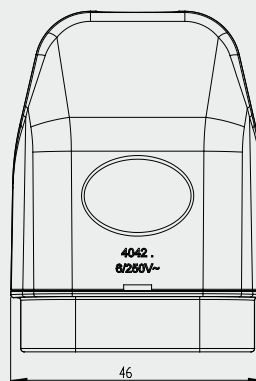
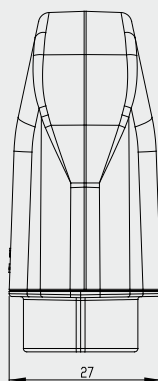
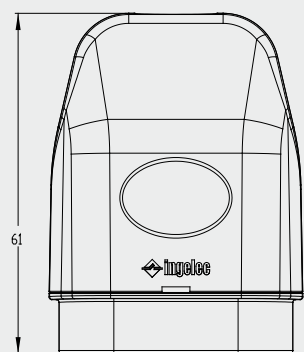


Réf. : 4141

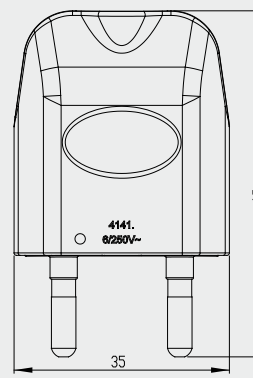
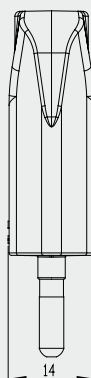
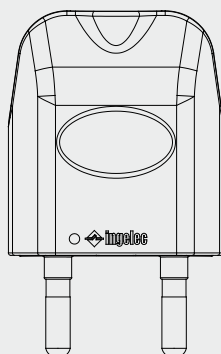


Réf. : 4142

Male plug and Female plug



Réf. : 4142



Réf. : 4141

LAMPS



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LEDS07GU5B



LEDS07G10B

Technical specifications

- For domestic lighting & mood lighting
- Designed for the replacement of incandescent spots from 35 to 50W
- 85% energy saving
- Instant ignition and flicker-free
- Better luminous efficiency
- Dimensions compliant with IEC standards -> Full compatible with existent incandescent installations
- Long lifetime : 25000 hours, 12 times more than incandescent lamp
- Excellent rendering index : IRC=80
- Beam angle : 100°
- White & yellow light available
- Energy class : A+

Normative specifications

- This product complies with standard : NF EN 62504
- Environment friendly : 100% RoHs

References

UNITS / CARTON	REF.	DESIGNATION	VOLTAGE RANGE	BASE	P(W)	LIGHT COLOUR	LUMEN	LM/W	INCANDESCENT EQUIVALENT
60	LEDS07G10B	LED Spot 220V 7W white GU10	150-250V	GU10	7	6500	595	85	50W
60	LEDS07G10J	LED Spot 220V 7W yellow GU10	150-250V	GU10	7	3000	595	85	50W
60	LEDS07GU5B	LED Spot 12V 7W white GU5.3	12V	GU5.3	7	6500	480	60	50W
60	LEDS07GU5J	LED Spot 12V 7W yellow GU5.3	12V	GU5.3	7	3000	595	85	50W



LEDF06E14J



LEDF06E27J

Technical specifications

- For domestic lighting & interiors
- Designed for the replacement of incandescent candles 40W
- Adapted to open luminaires & lusters
- 85% energy saving
- Instant ignition and flicker-free
- Better luminous efficiency
- Long lifetime : 25000 hours, 25 times more than incandescent lamp
- Energy class : A+

Normative specifications

- This product complies with standard : NF EN 62504
- Environment friendly : 100% RoHs

References

UNITS / CARTON	REF.	DESIGNATION	VOLTAGE RANGE	BASE	P(W)	LIGHT COLOUR	LUMEN	LM/W	INCANDESCENT EQUIVALENT
60	LEDF06E14B	LED candle 6W E14 white	150-250V	E14	6	6500	470	78	45W
60	LEDF06E14J	LED candle 6W E14 yellow	150-250V	E15	6	3000	470	78	45W
60	LEDF06E27B	LED candle 6W E26 white	150-250V	E27	6	6500	470	78	45W
60	LEDF06E27J	LED candle 6W E26 yellow	150-250V	E27	6	3000	470	78	45W



LEDA09E27J



LEDA11E27B

Technical specifications

- For domestic lighting & interiors
- Designed for the replacement of incandescent bulbs A55 from 60W to 75W
- Adapted to open luminaires & lusters
- 85% energy saving
- Instant ignition and flicker-free
- Better luminous efficiency
- Long lifetime : 25000 hours, 25 times more than incandescent lamp
- Energy class : A+
- Design that facilitates heat dissipation

Normative specifications

- This product complies with standard : NF EN 62504
- Environment friendly : 100% RoHs

References

UNITS / CARTON	REF.	DESIGNATION	VOLTAGE RANGE	BASE	P(W)	LIGHT COLOUR	LUMEN	LM/W	INCANDESCENT EQUIVALENT
50	LEDA09E27B	LED bulb A55 9W E27 white	150-250V	E27	9	5000	850	94	60W
50	LEDA09E27J	LED bulb A55 9W E27 yellow	150-250V	E27	9	2700	806	90	60W
50	LEDA09B22B	LED bulb A55 9W B22 white	150-250V	B22	9	5000	850	94	60W
50	LEDA09B22J	LED bulb A55 9W B22 yellow	150-250V	B22	9	2700	806	90	60W
50	LEDA11E27B	LED bulb A55 11W E27 white	150-250V	E27	11	5000	1050	95	80W
50	LEDA11E27J	LED bulb A55 11W E27 yellow	150-250V	E27	11	2700	1050	95	80W
50	LEDA11B22B	LED bulb A55 11W B22 white	150-250V	B22	11	5000	1050	95	80W
50	LEDA11B22J	LED bulb A55 11W B22 yellow	150-250V	B22	11	2700	1050	95	80W



LLFA6E27DJ



LLFA6E27DB

Technical specifications

- For domestic lighting & interiors
- Designed for the replacement of incandescent bulbs A55 from 60W to 75W
- Adapted to open luminaires & lusters
- 85% energy saving
- Filament on ceramic base
- Better luminous efficiency
- Long lifetime : 15000 hours, 15 times more than incandescent lamp
- Energy class : A+

Normative specifications

- This product complies with standard : CE

References

EMB	REF	DESIGNATION	P(W)	LUMENS (LM)	VOLTAGE RANGE	BASE	IRC	LIGHT COLOR(°K)	LIFETIME (H)	INCANDESCENT EQUIVALENT
50	LLFA6E27DJ	Filament LED bulb A60 yellow	6W	600	180-265V	E27	80	3000	15000	60W
50	LLFA6E27DB	Filament LED bulb A60 yellow	6W	600	180-265V	E27	80	6500	15000	60W



LLFB4E14CJ



LLFB4E14DB



LLFV4E14CJ

Technical specifications

- For domestic lighting & interiors
- Designed for the replacement of incandescent bulbs 40W
- Adapted to open luminaires & lusters
- 85% energy saving
- Filament on ceramic base
- Better luminous efficiency
- Long lifetime : 15000 hours, 15 times more than incandescent lamp
- Energy class : A+

Normative specifications

- This product complies with standard : CE

References

UNITS / CARTON	REF.	DESIGNATION	VOLTAGE RANGE	BASE	P(W)	LIGHT COLOR	LUMEN	IRC	INCANDESCENT EQUIVALENT
LED candles with filament									
100	LLFB4E14CJ	Filament LED candle 4W clear yellow	180-265V	E14	4W	3000	400	80	40W
100	LLFB4E14CB	Filament LED candle 4W clear white	180-265V	E14	4W	6500	400	80	40W
100	LLFB4E14DJ	Filament LED candle 4W frosted yellow	180-265V	E14	4W	3000	400	80	40W
100	LLFB4E14DB	Filament LED candle 4W frosted white	180-265V	E14	4W	6500	400	80	40W
LED decorative candles with filament									
100	LLFV4E14CJ	Filament decorative LED candle 4W clear yellow	180-265V	E14	4W	3000	400	80	40W
100	LLFV4E14CB	Filament decorative LED candle 4W clear white	180-265V	E14	4W	6500	400	80	40W



LEDH20E27B



LEDH40E27B

Technical specifications

- Body made with aluminium
- Do not use with dimmer
- 2 years guarantee
- Energy class: A+
- Until 40% energy saving
- Long lifetime : 25000 hours
- Light color : white (6500°K)

Normative specifications

- This product complies with standard V : NF EN 62031
- Environment friendly : RoHs

References

UNITS / CARTON	REF	DESIGNATION	P(W)	LUMENS	LIGHT COLOUR (K°)	VOLTAGE RANGE	BASE	LIFETIME	BEAM ANGLE
24	LEDH20E27B	High power LED bulb 20W white	20W	1700	6500	170-240V	E27	25000h	200°
12	LEDH30E27B	High power LED bulb 30W white	30W	2700	6500	170-240V	E28	25000h	200°
12	LEDH40E27B	High power LED bulb 40W white	40W	3600	6500	170-240V	E29	25000h	200°
12	LEDH50E27B	High power LED bulb 50W white	50W	4500	6500	170-240V	E40	25000h	200°
8	LEDH70E27B	High power LED bulb 70W white	70W	6300	6500	170-240V	E41	25000h	200°
8	LEDH00E27B	High power LED bulb 100W white	100W	9000	6500	170-240V	E42	25000h	200°



LEDP18E27J

Technical specifications

- Designed for the replacement of incandescent PAR38 from 60 to 75W
- Mood lighting for shops, restaurants, hotels,...
- Lighting for exteriors : gardens, houses, hotels,...
- Waterproof index : IP65
- Fanless cooling system guarantees declared performance
- Frame made with aluminium
- Long lifetime : 40000 hours, 20 times more than incandescent lamp
- Better luminous efficiency
- Operating temperature between -20 °C and + 40 °C

Normative specifications

- This product complies with standard : NF EN 62504
- Environment friendly : RoHs

References

UNITS / CARTON	REF.	DESIGNATION	P(W)	LUMEN	LIGHT COLOUR	VOLTAGE RANGE	BASE	LM/W	INCANDESCENT EQUIVALENT
12	LEDP18E27J	PAR 38 LED lamp 220V 18W E27	18	1020	3000	220-240V	e27	57	85



LEDT09G13B



LEDT18G13B

Technical specifications

- Replacement of fluorescent tube T8 18W & 36W in luminaires equipped with G13 socket
- Designed for office & industrial lighting (shops, offices, manufactures...)
- Tube made with glass like T8 tube fluorescent
- Internal LED strip mounted on an aluminium frame for a better heat dissipation
- Long lifetime : 30000 hours, 4 times more than fluorescent tube
- Longue durée de vie : 30000 heures soit 4 fois plus qu'un tube fluorescent saving in maintenance costs
- Works without ballast & starter for operation: LED tubes cost is equivalent to fluorescent tube cost + ballast + starter
- Better luminous efficiency
- Until 60% energy saving Vs. Fluorescent tubes
- Voltage range : 180-265V
- Light colour : 6500K
- Lifetime : 30000 hours
- Base : G1

Normative specifications

- This product complies with standard : NF EN 62504
- Environment friendly : RoHs

References

UNITS / CARTON	REF.	DESIGNATION	P(W)	LUMEN	LM/W	BEAM ANGLE	INCANDESCENT EQUIVALENT
20	LEDT09G13B	LED tube 09W G13 - white	9	765	85	240°	18
20	LEDT18G13B	LED tube T8 09W G13 - white	18	1450	90	240°	36



LEDLS1906B

Technical specifications

- Designed for washbasin, cupboards, kitchens, furniture's lighting, etc...
- Format : tube
- Base: S19
- Power : 6W
- Voltage range: 170-240V
- Lifetime : 25000 hours
- Light colour : 6500k or 3000k

Normative specifications

- This product complies with standard : CE

References

UNITS / CARTON	REF.	DESIGNATION	P(W)	LUMEN	VOLTAGE RANGE	LIGHT COLOUR
50	LEDLS1906B	LINOLITE LED lamp S19 6W - White	6W	480	170-240V	6500
50	LEDLS1906J	LINOLITE LED lamp S19 6W - Yellow	6W	480	170-240V	3000



LFCA11E27B



LFCF07E14B



LFCG20E27B

Technical specifications

- Designed to all interiors (living room, kitchen, hotels, restaurants...)
- More aesthetic for incandescent lamps replacement
- Available in candle, A55 and Globe
- Energy saving : up to 80% vs. incandescent lamp
- Energy class : A+
- Designed for lustres and open luminaires
- Long lifetime: 8000 hours, 8 times more than incandescent lamp
- Light colour : White or yellow
- 100% RoHS compliant : Mercury content <3mg

RESTRICTIONS :

- It cannot be used with dimmer
- In external use, it has to be used within closed luminaires

Normative specifications

- This product complies with standard :
 - NM 06.7.006, NM 06.7.005, NM 06.7.102, NM 06.7.014
 - EN 60968 : 90 + A1 : 93 + A2 : 99, EN 60969 + A1 : 93 + A2 : 00
- 100% complies with RoHS directives : Mercury content <3mg
- Certified TUV-GS

References

UNITS / CARTON	REF.	POWER	DESIGNATION	BASE	LUMENS	IRC	LM/W	INCANDESCENT EQUIVALENT
A55								
50	LFCA11E27B	11w	Covered fluorescent bulb 11W E27 white	E27	540	80	52	55W
50	LFCA11E27J		Covered fluorescent bulb 11W E27 yellow		540	80	52	55W
50	LFCA11B22B		Covered fluorescent bulb 11W B22 white	B22	540	80	52	55W
50	LFCA11B22J		Covered fluorescent bulb 11W B22 yellow		540	80	52	55W
Candle								
50	LFCF07E14B	7w	Covered fluorescent candle 7W E14 white	E14	290	80	42	35W
50	LFCF07E14J		Covered fluorescent candle 7W E14 yellow		290	80	42	35W
Globe								
50	LFCG20E27B	20w	Covered fluorescent globe 20W E14 white	E27	1100	80	56	100W
50	LFCG20E27J		Covered fluorescent globe 20W E14 yellow		1100	80	56	100W



LFCC06E14B



LFCC14EB22



LFCC23E27B

Technical specifications

- Designed to all interiors (living room, kitchen, hotels, restaurants ...)
- Energy saving: up to 80% vs. incandescent lamp
- Energy class : A+
- Designed for lustres and open luminaires
- Compact dimensions with T2 tube for a better use without crowded constraints in small luminaires
- Long lifetime : 8000 hours, 8 times more than incandescent lamp
- Light colour : White or yellow
- Tubes in glass with triphosphore powder
- 100% complies with RoHs directives : Mercury content <3mg

Restrictions :

- It cannot be used with dimer
- In external use, it have to be used with closed luminaires

Normative specifications

- This product complies with standard :
 - NM 06.7.006, NM 06.7.005, NM 06.7.102, NM 06.7.014
 - EN 60968 : 90 + A1 : 93 + A2 : 99, EN 60969 + A1 : 93 + A2 : 00
- 100% conforms to RoHs directives : Mercury content <3mg
- Certified TUV-GS

References

UNITS / CARTON	REF.	POWER	DESIGNATION	BASE	LUMENS	IRC	LM/W	INCANDESCENT EQUIVALENT
60	LFCC06E14B	6W	Fluorescent lamp twister shape 06w e14 white	E14	270	> 80	45	30
60	LFCC06E14J		Fluorescent lamp twister shape 06w e14 yellow		270	> 80	45	30
60	LFCC08E14B	8W	Fluorescent lamp twister shape 08w e14 white	E14	380	> 80	48	40
60	LFCC08E14J		Fluorescent lamp twister shape 08w e14 yellow		380	> 80	48	40
60	LFCC12E14B	12W	Fluorescent lamp twister shape 12w e14 white	E14	620	> 80	52	60
60	LFCC12E14J		Fluorescent lamp twister shape 12w e14 yellow		620	> 80	52	60
60	LFCC12E27B		Fluorescent lamp twister shape 12w e27 white	E27	620	> 80	52	60
60	LFCC12E27J		Fluorescent lamp twister shape 12w e27 yellow		620	> 80	52	60
60	LFCC12B22B		Fluorescent lamp twister shape 12w b22 white	B22	620	> 80	52	60
60	LFCC12B22J		Fluorescent lamp twister shape 12w b22 yellow		620	> 80	52	60
60	LFCC14E27B	14W	Fluorescent lamp twister shape 14w e27 white	E27	750	> 80	54	70
60	LFCC14E27J		Fluorescent lamp twister shape 14w e27 yellow		750	> 80	54	70
60	LFCC14B22B		Fluorescent lamp twister shape 14w b22 white	B22	750	> 80	54	70
60	LFCC14B22J		Fluorescent lamp twister shape 14w b22 yellow		750	> 80	54	70
60	LFCC20E27B	20W	Fluorescent lamp twister shape 20w e27 white	E27	1200	> 80	60	100
60	LFCC20E27J		Fluorescent lamp twister shape 20w e27 yellow		1200	> 80	60	100
60	LFCC20B22B		Fluorescent lamp twister shape 20w b22 white	B22	1200	> 80	60	100
60	LFCC20B22J		Fluorescent lamp twister shape 20w b22 yellow		1200	> 80	60	100
60	LFCC23E27B	23W	Fluorescent lamp twister shape 23w e27 white	E27	1370	> 80	60	120
60	LFCC23E27J		Fluorescent lamp twister shape 23w e27 yellow		1370	> 80	60	120
60	LFCC23B22B		Fluorescent lamp twister shape 23w b22 white	B22	1370	> 80	60	120
60	LFCC23B22J		Fluorescent lamp twister shape 23w b22 yellow		1370	> 80	60	120



LFCM05E14B



LFCM15E27B



LFCM23E27B

Technical specifications

- Designed to all interiors (living room, kitchen, hotels, restaurants ...)
- Energy saving: up to 80% vs. incandescent lamp
- Energy class : A+
- Designed for lustres and open luminaires
- Long lifetime : 8000 hours, 8 times more than incandescent lamp
- Light colour : White or yellow
- Tubes in glass with triphosphore powder
- 100% complies with RoHs directives : Mercury content <3mg

Restrictions :

- It cannot be used with dimmer
- In external use, it has to be used within closed luminaires

Normative specifications

- This product complies with standard :
 - NM 06.7.006, NM 06.7.005, NM 06.7.102, NM 06.7.014
 - EN 60968 : 90 + A1 : 93 + A2 : 99, EN 60969 + A1 : 93 + A2 : 00
- 100% complies with RoHs directives : Mercury content <3mg
- TUV-GS certified

References

UNITS / CARTON	REF.	POWER	DESIGNATION	BASE	LUMENS	IRC	LM/W	INCANDESCENT EQUIVALENT
60	LFCM05E14B	5W	Fluorescent lamp twister shape MINI 05w e14 white	E14	250	>80	50	25W
60	LFCM05E14J		Fluorescent lamp twister shape MINI 05w e14 yellow		250	>80	50	25W
60	LFCM08E14B	8W	Fluorescent lamp twister shape MINI 08w e14 white	E14	500	>80	60	40W
60	LFCM08E14J		Fluorescent lamp twister shape MINI 08w e14 yellow		500	>80	60	40W
60	LFCM12E14B	12W	Fluorescent lamp twister shape MINI 12w e14 white	E14	680	>78	55	60W
60	LFCM12E14J		Fluorescent lamp twister shape MINI 12w e14 yellow		680	>78	55	60W
60	LFCM12E27B		Fluorescent lamp twister shape MINI 12w e27 white	E27	680	>78	55	60W
60	LFCM12E27J		Fluorescent lamp twister shape MINI 12w e27 yellow		680	>80	55	60W
60	LFCM12B22B		Fluorescent lamp twister shape MINI 12w b22 white	B22	680	>78	55	60W
60	LFCM12B22J		Fluorescent lamp twister shape MINI 12w b22 yellow		680	>80	55	60W
60	LFCM15E27B	15W	Fluorescent lamp twister shape 15w e27 white	E27	850	> 78	55	75W
60	LFCM15E27J		Fluorescent lamp twister shape 15w e27 yellow		850	> 80	55	75W
60	LFCM15B22B		Fluorescent lamp twister shape 15w b22 white	B22	850	> 78	55	75W
60	LFCM15B22J		Fluorescent lamp twister shape 15w b22 yellow		850	> 80	55	75W
60	LFCM20E27B	20W	Fluorescent lamp twister shape 20w e27 white	E27	1200	> 78	60	100W
60	LFCM20E27J		Fluorescent lamp twister shape 20w e27 yellow		1200	> 80	60	100W
60	LFCM20B22B		Fluorescent lamp twister shape 20w b22 white	B22	1200	> 78	60	100W
60	LFCM20B22J		Fluorescent lamp twister shape 20w b22 yellow		1200	> 80	60	100W
60	LFCM23E27B	23W	Fluorescent lamp twister shape 23w e27 white	E27	1350	> 78	60	120W
60	LFCM23E27J		Fluorescent lamp twister shape 23w e27 yellow		1350	> 80	60	120W
60	LFCM23B22B		Fluorescent lamp twister shape 23w b22 white	B22	1350	> 78	60	120W
60	LFCM23B22J		Fluorescent lamp twister shape 23w b22 yellow		1350	> 80	60	120W
60	LFCM30E27B	30W	Fluorescent lamp twister shape 30w e27 white	E27	1850	> 78	60	150W
60	LFCM30E27J		Fluorescent lamp twister shape 30w e27 yellow		1850	> 78	60	150W
30	LFCM36E27B	36W	Fluorescent lamp twister shape 36w e27 white	E27	2160	> 78	60	180W
30	LFCM36E27J		Fluorescent lamp twister shape 36w e27 yellow		2160	> 78	60	180W



LFCU05E14B



LFCU15E27B



LFCU23B22B

Technical specifications

- Designed to all interiors (living room, kitchen, hotels, restaurants ...)
- Energy saving: up to 80% vs. incandescent lamp
- Energy class : A
- Designed for lustres and open luminaires
- Tubes in glass with triphosphore powder
- Format :
 - 2U for lamps 5W
 - 3U for other lamps
- Long lifetime : 8000 hours, 8 times more than incandescent lamp
- Light efficiency
- Light colour : White or yellow
- 100% complies with RoHs directives → Mercury content <3mg

Restrictions :

- It cannot be used with dimer
- In external use, it has to be used within closed luminaires

Normative specifications

- This product complies with standard :
 - NM 06.7.006, NM 06.7.005, NM 06.7.102, NM 06.7.014
 - EN 60968 : 90 + A1 : 93 + A2 : 99, EN 60969 + A1 : 93 + A2 : 00
- 100% conforms to RoHs directives → Mercury content <3mg
- TUV-GS certified

References

UNITS / CARTON	REF.	POWER	DESIGNATION	BASE	LUMENS	IRC	LM/W	INCANDESCENT EQUIVALENT
60	LFCU05E14B	5W	Fluorescent lamp 2U shape 5W E14 white	E14	200	>78	40	25W
60	LFCU05E14J		Fluorescent lamp 2U shape 5W E14 yellow		200	>80	40	25W
60	LFCU05E27B		Fluorescent lamp 2U shape 5W E27 white	E27	200	>78	40	25W
60	LFCU05E27J		Fluorescent lamp 2U shape 5W E27 yellow		200	>80	40	25W
60	LFCU08E14B	8W	Fluorescent lamp 3U shape 8W E14 white	E14	400	> 78	50	40W
60	LFCU08E14J		Fluorescent lamp 3U shape 8W E14 yellow		400	> 80	50	40W
60	LFCU08B22B		Fluorescent lamp 3U shape 8W B22 white	B22	400	> 78	50	40W
60	LFCU08B22J		Fluorescent lamp 3U shape 8W B22 yellow		400	> 80	50	40W
60	LFCU08E27B		Fluorescent lamp 3U shape 8W E27 white	E27	400	> 78	50	40W
60	LFCU08E27J		Fluorescent lamp 3U shape 8W E27 yellow		400	> 80	50	40W
60	LFCU11E14B	11W	Fluorescent lamp 3U shape 11W E14 white	E14	550	> 78	50	55W
60	LFCU11E14J		Fluorescent lamp 3U shape 11W E14 yellow		550	> 80	50	55W
60	LFCU11E27B		Fluorescent lamp 3U shape 11W E27 white	E27	550	> 78	50	55W
60	LFCU11E27J		Fluorescent lamp 3U shape 11W E27 yellow		550	> 80	50	55W
60	LFCU11B22B		Fluorescent lamp 3U shape 11W B22 white	B22	550	> 78	50	55W
60	LFCU11B22J		Fluorescent lamp 3U shape 11W B22 yellow		550	> 80	50	55W
60	LFCU15E27B	15 W	Fluorescent lamp 3U shape 15W E27 white	E27	820	> 78	55	75W
60	LFCU15E27J		Fluorescent lamp 3U shape 15W E27 yellow		820	> 80	55	75W
60	LFCU15B22B		Fluorescent lamp 3U shape 15W B22 white	B22	820	> 78	55	75W
60	LFCU15B22J		Fluorescent lamp 3U shape 15W B22 yellow		820	> 80	55	75W
60	LFCU20E27B	20 W	Fluorescent lamp 3U shape 20W E27 white	E27	1155	> 78	55	100W
60	LFCU20E27J		Fluorescent lamp 3U shape 20W E27 yellow		1155	> 80	55	100W
60	LFCU20B22B		Fluorescent lamp 3U shape 20W B22 white	B22	1155	> 78	55	100W
60	LFCU20B22J		Fluorescent lamp 3U shape 20W B22 yellow		1155	> 80	55	100W
60	LFCU23E27B	23W	Fluorescent lamp 3U shape 23W E27 white	E27	1300	> 78	55	120W
60	LFCU23E27J		Fluorescent lamp 3U shape 23W E27 yellow		1300	> 80	55	120W
60	LFCU23B22B		Fluorescent lamp 3U shape 23W B22 white	B22	1300	> 78	55	120W
60	LFCU23B22J		Fluorescent lamp 3U shape 23W B22 yellow		1300	> 80	55	120W



LFPLC13B



LFPLC18B



LFPLC26B

Technical specifications

- For industrial and shop lighting, large areas, offices equipped with luminaires with G24d sockets
- Energy saving : up to 80% vs. incandescent lamp
- Energy class : A
- Tubes in glass with triphosphore powder
- Long lifetime : 8000 hours, 8 times more than incandescent lamp
- Light colour : White (6500K)
- 100% complies with RoHs directives → Mercury content <3mg

Restrictions :

- It cannot be used with dimmer or electronic switch
- Needs an external ballast

Normative specifications

- This product conforms to standard :
 - NM 06.7.006, NM 06.7.005, NM 06.7.102, NM 06.7.014
 - EN 60968 : 90 + A1 : 93 + A2 : 99, EN 60969 + A1 : 93 + A2 : 00
- 100% complies with RoHs directives Mercury content <3mg
- TUV-GS certified

References

UNITS / CARTON	REF.	DESIGNATION	POWER	BASE	LUMENS	IRC	LM/W
200	LFPLC13B	Fluorescent lamp PL-C 13W white	13W	G24D	897	80	67
500	LFPLC18B	Fluorescent lamp PL-C 18W white	18W	G24D	1206	80	67
500	LFPLC26B	Fluorescent lamp PL-C 26W white	26W	G24D	1716	80	67



LFT514G05B



LFT836G13B

Technical specifications

- Designed for office & industrial lighting (shops, offices, manufactures...)
- Energy saving
- Available in T8 & T5
- Tube with glass with powder :
 - Triphosphore for T5 tubes
 - Halophosphore for T8 tubes
- Base in aluminium

Normative specifications

- This product complies with standard : NM 06.7.009 & NM06.7.015
- T5 tube is 100% complies with RoHs directives

References

PACK.	TYPE	REFERENCE	DESIGNATION	POWER (W)	LIFETIME (H)	LUMENS	LM/W	CRI	ENERGY CLASS
100	T5	LFT508G05B	Fluorescent tube T5 8W G5 6500K	8W	16000	430	54	82	B
50		LFT514G05B	Fluorescent tube T5 14W G5 6500K	14W	16000	1045	75	82	A
50		LFT528G05B	Fluorescent tube T5 28W G5 6500K	28W	16000	2400	86	82	A
50		LFT535G05B	Fluorescent tube T5 35W G5 4000K	35W	16000	3350	96	82	A
25	T8	LFT818G13B	Fluorescent tube T8 18W G13 white	18W	10000	>960	>53	72	B
25		LFT836G13B	Fluorescent tube T8 36W G13 white	36W	12000	>2400	>67	72	B
25		LFT858G13B	Fluorescent tube T8 58W G13 white	58W	10000	>3750	>65	72	B



LIS40B22C



LIX100E27D

Technical specifications

- For all internal & external usages
- Compatible with all luminaires & lusters
- excellent color rendering
- instant ON/OFF
- Can be used with dimmer
- Bulb with glass
- Double filament tungsten
- Lifetime : 1000h
- Base :
 - E27 : aluminium
 - B22 : iron

Normative specifications

- This product complies with standard : NM 06.7.077 & NM 06.7.005
- 100% complies with RoHs directives

References

EMB.	REFERENCE	DESIGNATION	POWER (W)	BASE	LUMENS
100	LIS40E27D	Incandescent bulb standard 40W E27 frosted	40W	E27	402
100	LIS40B22D	Incandescent bulb standard 40W B22 frosted		B22	402
100	LIS40B22C	Incandescent bulb standard 40W B22 clear			415
100	LIS60E27D	Incandescent bulb standard 60W E27 frosted	60W	E27	679
100	LIS60B22D	Incandescent bulb standard 60W B22 frosted		B22	679
100	A55	LIS75E27D	75W	E27	873
100		LIS75B22D		B22	873
100		LIS75B22C			900
100	LIS100E27D	Incandescent bulb standard 100W E27 frosted	100W	E27	1280
100	LIS100B22D	Incandescent bulb standard 100W B22 frosted		B22	1280
100	LIS100B22C	Incandescent bulb standard 100W B22 clear			1320



LR675E27C



LR860E27C

Technical specifications

- For all internal & external usages
- Compatible with all luminaires & lusters
- Excellent colour rendering
- instant ON/OFF
- Can be used with dimmer
- Bulb with glass
- Double filament tungsten
- Lifetime : 1000h
- Base :
 - E27 : aluminium

Normative specifications

- This product complies with standard : NM 06.7.077 & NM 06.7.005
- 100% complies with RoHs directives

References

PACK.	REFERENCE	DESIGNATION	POWER (W)	BASE	LUMENS	CRI
R60						
100	LR660E27C	Reflector lamp R60 60W E27 clear	60	E27	445	100
100	R60 LR675E27C	Reflector lamp R60 75W E27 clear	75	E27	670	100
100	LR6100E27C	Reflector lamp R60 100W E27 clear	100	E27	860	100
R80						
100	LR860E27C	Reflector lamp R80 60W E27 clear	60	E27	445	100
100	R80 LR875E27C	Reflector lamp R80 75W E27 clear	75	E27	670	100
100	LR8100E27C	Reflector lamp R80 100W E27 clear	100	E27	860	100



LIB25E14D



LIV40E14C



LIR60B22D

Technical specifications

- For domestic lighting & interiors
- Available in 2 finishes :
 - Clear finish: recommended for transparent lustres or glass lustres. They provide a good bright.
 - Frosted finish: adapted to classical lustres, they provide a cosy ambience.
- Excellent colour rendering
- Instant ON/OFF
- Can be used with dimmer
- Bulb with glass
- Double filament with tungsten
- Lifetime : 1000h
- Base :
 - E27 & E14 : Aluminium
 - B22 : Iron

Normative specifications

- This product complies with standard : NM 06.7.077 & NM 06.7.005
- 100% complies with RoHs directives

References

PACK.	REFERENCE	DESIGNATION	POWER (W)	BASE	LUMENS
Candle (B35)					
100	LIB25E14D	Incandescent candle 25W E14 frosted	25W	E14	197
100	LIB25E14C	Incandescent candle 25W E14 clear			197
100	LIB40E14D	Incandescent candle 40W E14 frosted	40W		415
100	LIB40E14C	Incandescent candle 40W E14 clear			415
100	LIB60E14D	Incandescent candle 60W E14 frosted	60W		710
100	LIB60E14C	Incandescent candle 60W E14 clear			710
Decorative candle					
100	LIV25E14C	Incandescent decorative candle 25W E14 clear	25W	E14	197
100	LIV40E14C	Incandescent decorative candle 40W E14 clear	40W		415
100	LIV60E14d	Incandescent decorative candle 60W E14 frosted	60W		710
Globe (P45)					
100	LIR25E14D	Incandescent globe 25W E14 frosted	25W	E14	197
100	LIR25E27D	Incandescent globe 25W E27 frosted		E27	197
100	LIR25B22D	Incandescent globe 25W B22 frosted		B22	197
100	LIR40E14D	Incandescent globe 40W E14 frosted	40W	E14	415
100	LIR40E27D	Incandescent globe 40W E27 frosted		E27	415
100	LIR40E27C	Incandescent globe 40W E27 clear			415
100	LIR40B22D	Incandescent globe 40W B22 frosted		B22	415
100	LIR40B22C	Incandescent globe 40W B22 clear			415
100	LIR60E14D	Incandescent globe 60W E14 frosted		60W	E14
100	LIR60E27D	Incandescent globe 60W E27 frosted	E27		710
100	LIR60E27C	Incandescent globe 60W E27 clear			710
100	LIR60B22D	Incandescent globe 60W B22 frosted	B22		710
100	LIR60B22C	Incandescent globe 60W B22 clear			710



LISH50GU5



LISH50GU1

Technical specifications

- For mood lighting to highlight products in shops or decorative items in houses, restaurants, hotels, ...
- Not adapted to closed luminaires
- Can be used with dimmer
- Cold beam
- Security distance: 20cm
- Maximal temperature at glass surface: >250°
- Colour temperature: 2800 Kelvin

Normative specifications

- This product complies with standard :
 - IED 60432-3, IEC 60698
 - NM 60.7.102
- 100% complies with RoHs directives

References

PACK.	REFERENCE	DESIGNATION	FORMAT	BASE	VOLTAGE	LUMEN	IRC	LIFETIME	BEAM ANGLE
Incandescent lamps for spots									
100	LISH50GU1	Incandescent lamp 220V GU10	MR16	GU10	220V	200	100	1500	36°
200	LISH50GU5	Incandescent lamp low tension 50W GU5.3	MR16	GU5.3	12V	500	100	2000	36°
200	LISH20GU4	Incandescent lamp low tension 20W GU4	MR11	GU4	12V	300	100	2000	30°



LIH10G4



LIH50G635



LIH60G9

Technical specifications

- For luminaires equipped with following sockets G4, G6.35 & G9
- Designed to lustres & wall luminaires for all interiors (houses, restaurants, schools,...)
- Available in 2 versions :
 - G4 & G6.35 12V : needs an electronic transformer
 - G9 220-240V
- Lifetime : 2000 hours

Normative specifications

- This product complies with standard :
 - IED 60432-3, IEC 60698
 - NM 60.7.102
- 100% complies with RoHS directives

References

PACK.	REFERENCE	DESIGNATION	POWER	VOLTAGE RANGE	BASE	LUMEN	LM/W
1000	LIH10G4	Incandescent lamp 12V G4 10W	10	12	G4	120	12
1000	LIG20G4	Incandescent lamp 12V G4 20W	20	12	G4	320	16
1000	LIH50G635	Incandescent lamp 12V G6.35 50W	50	12	G6.35	900	18
1000	LIH25G9	Incandescent lamp 220V G9 25W	25	220-240	G9	250	10
1000	LIH40G9	Incandescent lamp 220V G9 40W	40	220-241	G10	460	12
1000	LIH60G9	Incandescent lamp 220V G9 60W	60	220-242	G11	790	13



LR7S150



LR7S500



LR7S1000



LR7S1500

Technical specifications

- Designed for the lighting of shop entrances, restaurants, hotels, monuments...
- For outdoor use : parking, gardens, stadiums
- Additional lighting for billboards and exhibitions...
- Operating position : horizontal

Normative specifications

- This product complies with standard :
 - IEC 60432, IEC 60968
 - NM 06.7.102
- 100% complies with RoHs directives

References

PACK.	REFERENCE	DESIGNATION	POWER	LIGHT COLOUR	BASE	LUMEN	LM/W
1000	LR7S150	Incandescent tubular lamp R7S 150W	150W	3200K	R7s	2100	14
500	LR7S300	Incandescent tubular lamp R7S 300W	300W	3500K		4500	15
500	LR7S500	Incandescent tubular lamp R7S 500W	500W	3500K		8500	17
500	LR7S1000	Incandescent tubular lamp R7S 1000W	1000W	3500K		18000	18
500	LR7S1500	Incandescent tubular lamp R7S 1500W	1500W	3500K		31000	21



LIAR120E27

Technical specifications

- Lighting of exteriors : parks, gardens, projectors
- More than 20% saving vs. classical incandescent lamp
- For outdoor use without additional protection if the socket is waterproof
- Voltage range : 220v-240v
- Lifetime: 2000 hours
- Base : E27
- Beam angle : 30°
- Can be used with dimmer

Normative specifications

- This product complies with standard :
 - IEC 60432, IEC 60968
 - NM 06.7.102
- 100% complies with RoHs directives

References

PACK.	REFERENCE	DESIGNATION	POWER	LUMEN	IRC	LM/W
halogen lamps PAR38						
20	LIAR080E27	Reflector lamp 80W E27	80W	1100	100	14
20	LIAR120E27	Reflector lamp 120W E28	120W	1800	100	15



LHM080E270

Technical specifications

- Lighting of parkings ; supermarkets, storage spaces...
- Need to be used with luminaire equipped with protection glass
- Needs an external ballast compliant with CEI norms
- Non dimmable
- Lifetime : 16000 hours
- Light colour : 4000k -> White
- CRI : 40
- Operating position : universal
- Low operating & maintenance costs
- Very high lighting output

Normative specifications

- This product complies with standard :
 - IEC 62035
- 100% complies with RoHs directives

References

PACK.	REFERENCE	DESIGNATION	POWER	VOLTAGE RANGE	BASE	LAMP FORMAT	LUMENS	LM/W
24	LHM080E270	mercury vapour lamp HP 80w E27	80	115	E27	E70	3600	45
24	LHM125E271	mercury vapour lamp HP 125w E27	125	125	E27	E75	6200	50
12	LHM250E272	mercury vapour lamp HP 250w E40	250	135	E40	ED90	13000	52



LHS150E40T

Technical specifications

- For public lighting : roads, tunnels, monuments, parks, railway stations, ports...
- Must be used with luminaire equipped with a protection glass
- Non dimmable
- Operates with an external ignitor and ballast compliant with CEI norms, except the reference 70W which does not requires the external ballast
- Operating position : universal
- Low operating & maintenance costs
- Luminous efficiency : between 80 & 130 lm/W
- Electrical energy saving : use 15% less vs. mercury vapour lamps
- Long lifetime : between 4 & 7 years
- Operating in low temperatures

Normative specifications

- This product conforms to standard :
- IEC 62035
- 100% conforms to RoHs directives

References

PACK.	REFERENCE	DESIGNATION	BASE	VOLTAGE RANGE	LAMP FORMAT	LUMENS	LM/W
24	LHS070E27O	Sodium vapour lamp HP 70W E27	E27	90	E70	3600	80
48	LHS100E40T	Sodium vapour lamp HP 100W E40	E40	100	T46	9300	93
12	LHS150E40T	Sodium vapour lamp HP 150W E40	E40	100	T46	15000	103
12	LHS250E40T	Sodium vapour lamp 250W E40	E40	100	T46	28000	110
12	LHS400E40T	Sodium vapour lamp 400W E40	E40	100	T46	48000	120
6	LHS1000E40T	Sodium vapour lamp 1000W E40	E40	105	T66	130000	130



LHI250E400



LHI1000E40

Technical specifications

- Lighting for : commercial windows, sport fields, big spaces, halls with high height
- Must be used with luminaire equipped with glass protection
- Operating with external ignitor and ballast compliants with CEI norms
- CRI : 65
- light spectrum very close to daylight
- low cost of operation and maintenance
- vertical or horizontal operating position

Normative specifications

- This product complies with standard :
 - IEC 611667
 - NM 06.7.068
- 100% complies with RoHs directives

References

PACK	REFERENCE	POWER	LAMP VOLTAGE RANGE	CULOT	FORMAT	LUMENS	LM/W
12	LHI250E400	250	220	E40	ED90	23 000 *	65
6	LHI400E400	400	220	E40	ED120	45 000**	70
6	LHI1000E40	1000	220	E40	T65	85 000	85



LHT160E27O

Technical specifications

- For public lighting : roads, tunnels, monuments,
- Designed for direct replacement of incandescent lamps in old installations
- vertical operating position
- CRI : 40
- Must be used with luminaire equipped with glass protection

Normative specifications

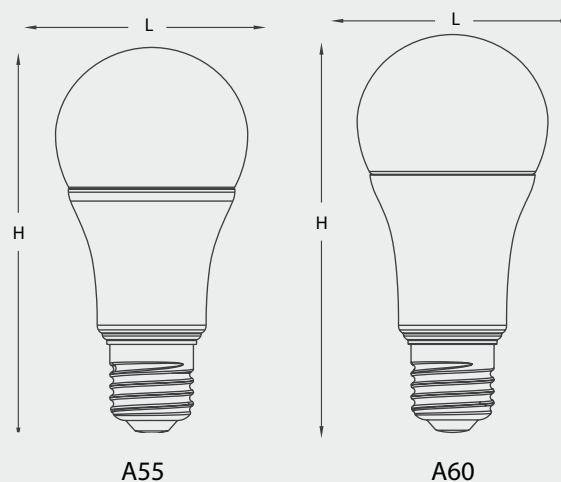
- This product complies with standard :
- IEC 60188
- 100% complies with RoHS directives

References

UNITS / CARTON	REFERENCE	DESIGNATION	VOLTAGE RANGE	BASE	LAMP FORMAT	LUMENS	LM/W	LIFETIME	LIGHT COLOUR	MAXIMAL LAMP TEMPERATURE (°C)
24	LHT160E27O	HID lamp mixed lamp 160W E27	220-230	E27	E75	3200	20	13000	4000	350
24	LHT160E40O	HID lamp mixed lamp 160W E40	220-230	E40	E75	3200	20	13000	4000	350
12	LHT250E27O	HID lamp mixed lamp 250W E27	220-235	E27	ED90	5500	22	10000	4000	350
12	LHT250E40O	HID lamp mixed lamp 250W E40	220-235	E40	ED90	5500	22	10000	4000	350

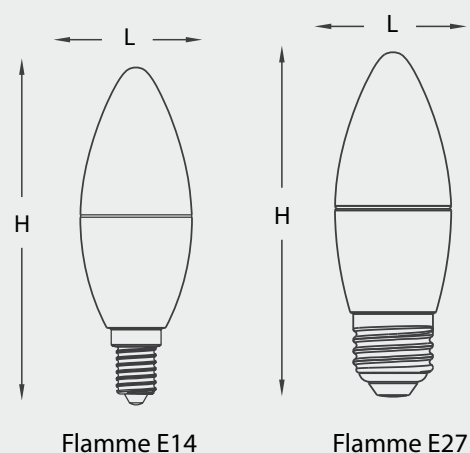
LED BULBS A55-A60

TYPE	Culot	L (mm)	H (mm)
LEDA09E27J	E27	57	103
LEDA09E27B	E27	57	103
LEDA11E27J	E27	60	108
LEDA11E27B	E27	60	108



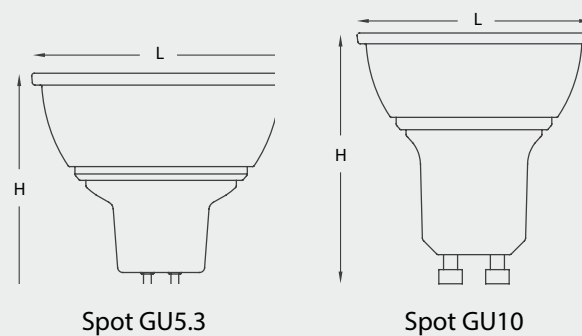
LED CANDLES

TYPE	Culot	L (mm)	H (mm)
LEDF06E14J	E14	38	112,8
LEDF06E14B	E14	38	112,8
LEDF06E27J	E27	38	110
LEDF06E27B	E27	38	110



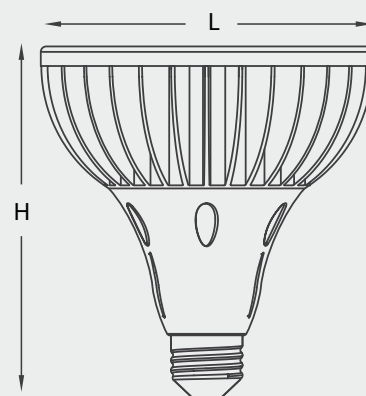
LED SPOTS

TYPE	Culot	L (mm)	H (mm)
Spot LED GU5.3	GU5.3	50	45
Spot LED GU10	GU10	50	54



LED PAR38

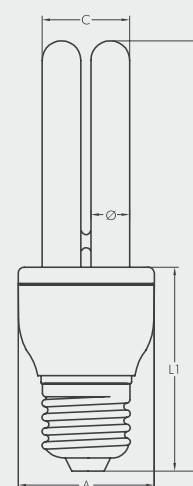
TYPE	Culot	L (mm)	H (mm)
LED PAR 38	E27	122	129,5



PAR38 LED

FLUORESCENT LAMPS 2U SHAPE "VOLTA"

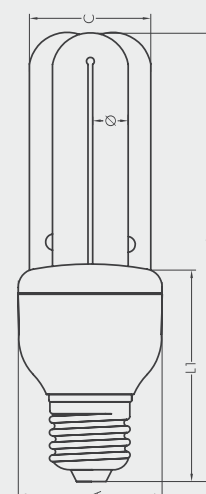
TYPE	Power	Culot	L±2 (mm)	L1±2 (mm)	A±0.5 (mm)	Φ±0.5 (mm)
Helios 2U	5W	E14/ E27	103	58	36	9.2



Volta 2U

FLUORESCENT LAMPS 3U SHAPE

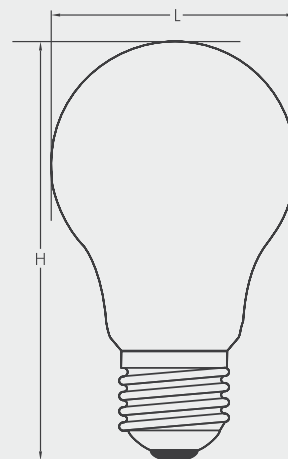
TYPE	Power	Culot	L±2 (mm)	L1±2 (mm)	A±0.5 (mm)	Φ±0.5 (mm)	C±0.5 (mm)
Volta 3U	8W	E14/E27/B22	110	65	42	9.2	35
	11W	E14/E27/B22	120	65	42	9.2	35
	15 W	E27/B22	139	72	48.5	12	42
	20 W	E27/B22	164	72	48.5	12	42
	23W	E27/B22	176	72	48.5	12	42



Volta 3U

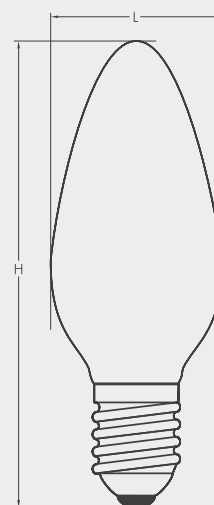
LED BULBS A60 WITH FILAMENT

TYPE	Culot	L (mm)	H (mm)
LLFA6E27DJ	E27	61	107
LLFA6E27DB	E27	61	107



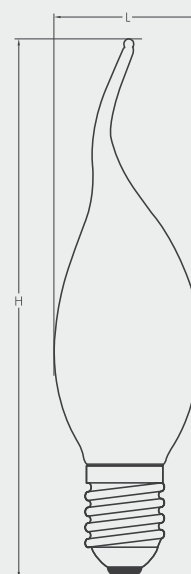
LED CANDLE WITH FILAMENT

TYPE	Culot	L (mm)	H (mm)
LLFB4E14CB	E14	36	101
LLFB4E14CJ	E14	36	101
LLFB4E14DB	E14	36	101
LLFB4E14DJ	E14	36	101



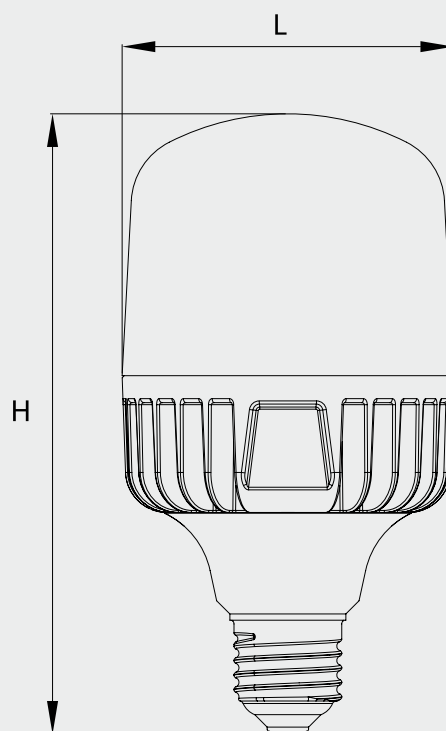
LED DECORATIVE CANDLE WITH FILAMENT

TYPE	Culot	L (mm)	H (mm)
LLFV4E14CB	E14	36	121
LLFV4E14CJ	E14	36	121



LED HIGH POWER

TYPE	Culot	L (mm)	H (mm)
LEDH20E27B	E27	80	150
LEDH30E27B	E27	100	183
LEDH40E27B	E27	118	212
LEDH50E40B	E40	118	225
LEDH70E40B	E40	140	251
LEDH00E40B	E40	140	268



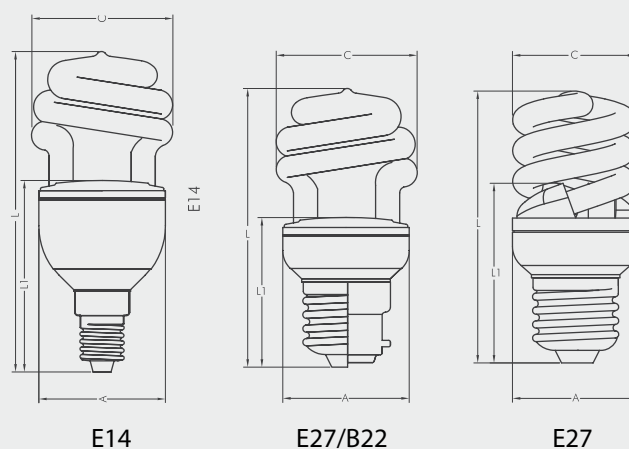
LED LINOLITE TUBE

TYPE	Base	L (mm)	H (mm)
LEDLS1906B	S19	38	310
LEDLS1906J	S19	38	310



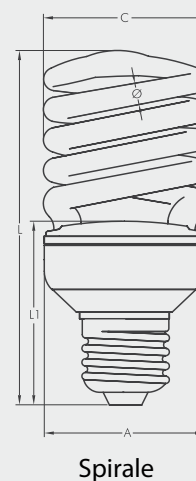
FLUORESCENT LAMPS TWISTER SHAPE MINI "CYCLONE"

TYPE	Power	Culot	L $\pm$ 3 (mm)	L1 $\pm$ 2 (mm)	A $\pm$ 0.5 (mm)	C $\pm$ 0.5 (mm)
Cyclone MINI SPIRALE	5W	E14	78	49	40	45
	8W	E14	85	49		
	12W	E14	106	62		
		E27/ B22	92	49		



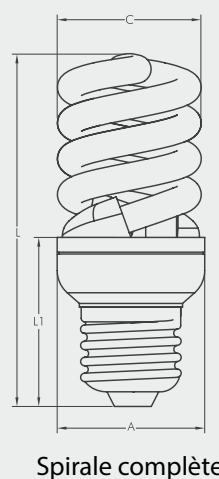
FLUORESCENT LAMPS TWISTER SHAPE "CYCLONE"

TYPE	Power	Culot	L $\pm$ 3 (mm)	L1 $\pm$ 2 (mm)	A $\pm$ 0.5 (mm)	C $\pm$ 0.5 (mm)
Cyclone SPIRALE	15W	E27/B22	101	49	40	??
	20W	E27/B22	110	56	50	7.6
	23W	E27/B22	119	56	50	7.6
	30W	E27	174	77	54	12
	36W	E27	178	81.5	64	12



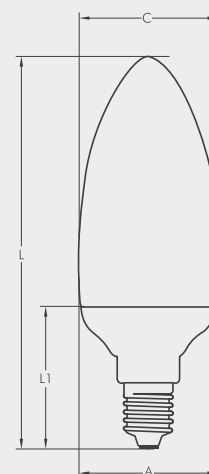
FLUORESCENT LAMPS TWISTER SHAPE COMPLETE "CYCLONE"

TYPE	Power	Culot	L $\pm$ 3 (mm)	L1 $\pm$ 2 (mm)	A $\pm$ 0.5 (mm)	C $\pm$ 0.5 (mm)
Cyclone SPIRALE Complète	20W et	E27	78	49	40	45
	23W	B22	85	49		



LED CANDLES LUCIA

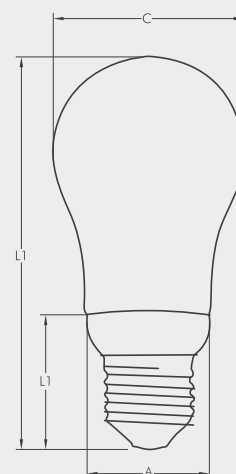
TYPE	Power	Culot	L $\pm$ 3 (mm)	L1 $\pm$ 2 (mm)	A $\pm$ 0.5 (mm)	C $\pm$ 0.5 (mm)
LUCIA Flamme	15W	E14	110	40	38	40



Flamme

LED BULB LUCIA

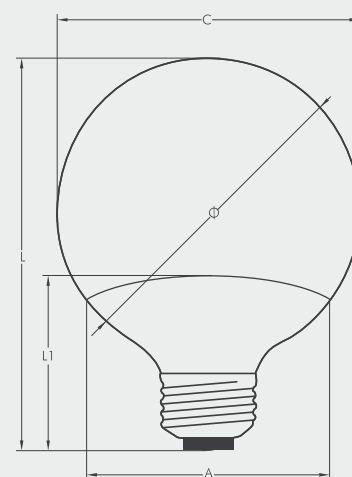
TYPE	Power	Culot	L $\pm$ 3 (mm)	L1 $\pm$ 2 (mm)	A $\pm$ 0.5 (mm)	C $\pm$ 0.5 (mm)
LUCIA A55	15W	E14	115	37	36	56



A55

LED GLOBE LUCIA

TYPE	Power	Culot	L (mm)	L1 (mm)	A (mm)	ϕ (mm)	C (mm)
LUCIA Globe	20W	20	128	49	70	10	95



Globe

LED TUBES T8

Power	Diameter	Longueur
18W	26	604
36W	26	1213.6
58W	26	1514,2



Tbue T8

LED TUBE T5

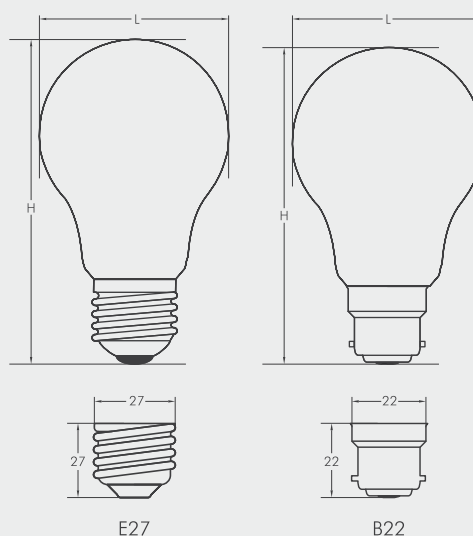
Power	Diameter	Longueur
8W	16	302,5
	16	563.2
28W	16	1163.2
35W	16	1463.2



Tbue T5

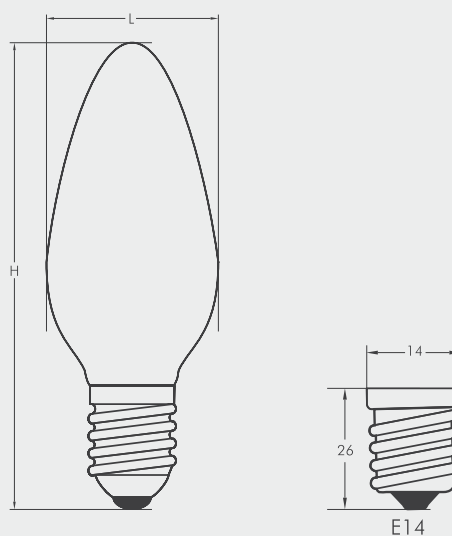
LED BULBS A60 WITH FILAMENT

Type	C (mm)	D (mm)
Lampe standard A55	95	55



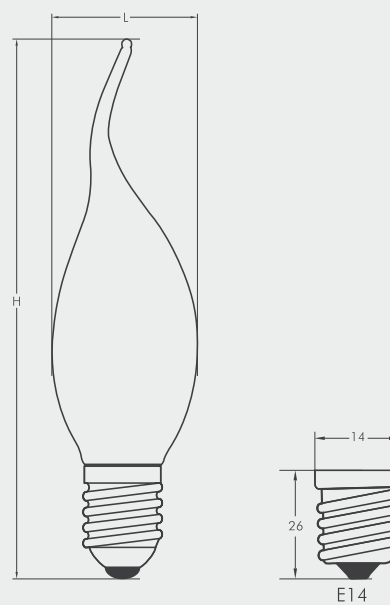
LED CANDLE

Type	C (mm)	D (mm)
Lampe Flamme B35	75	45



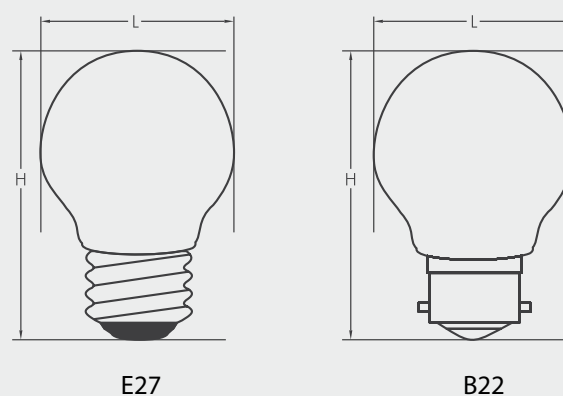
LED DECORATIVE CANDLE WITH FILAMENT

Type	C (mm)	D (mm)
Lampe Coup de Vent	130	35



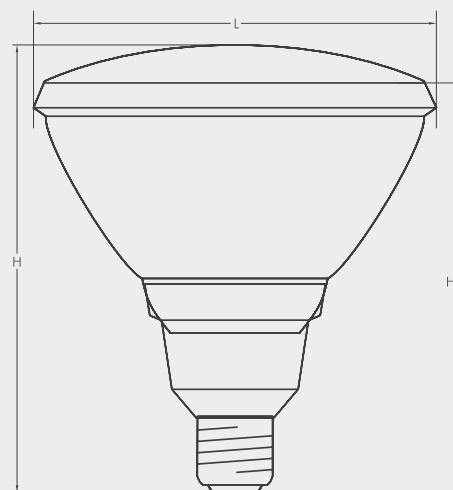
INCANDESCENT GLOBE A55

Type	C (mm)	D (mm)
Lampe Globe A55	98	35



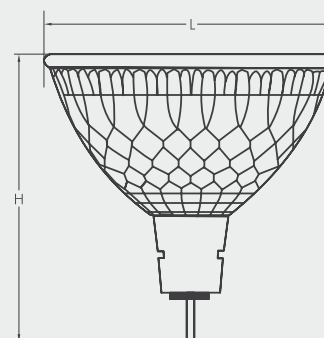
HALOGEN LAMPS PAR38

Type	C (mm)	F (mm)	D (mm)
PAR 38	136	123	121



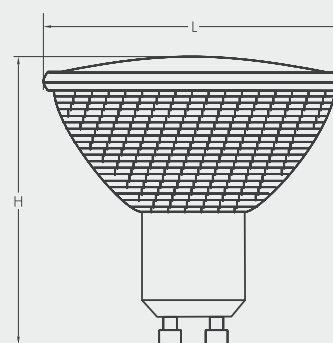
HALOGEN LAMPS FOR SPOTS 12V

Type	Culot	L (mm)	H (mm)
Spot halogène 12V 50W	GU5.3	51	46
Spot halogène 12V 20W	GU4	35	36



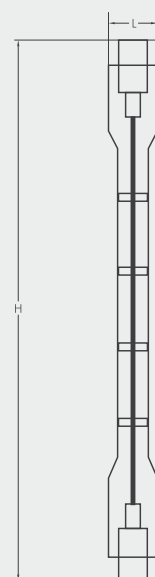
HALOGEN LAMPS FOR SPOTS 220V

Type	Culot	L (mm)	H (mm)
Spot halogène 220V 50W	GU10	57	51



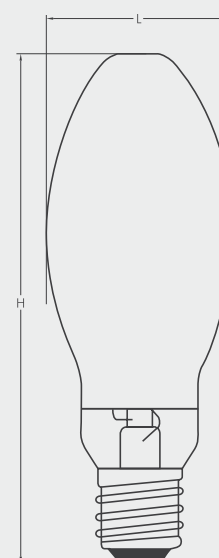
HALOGEN LAMPS R75

Reference	L (mm)	H (mm)
LRS150	8	78.3
LRS300	8	117.6
LRS500	10	117.6
LRS1000	10	189.1
LRS1500	10	254.1



MERCURY VAPOUR LAMP HIGH PRESSURE HID

Reference	Product designation	Format	L (mm)	D (mm)
LHM080E27O	LAMPE à vapeur de mercure HP 80W E27	E70	70	155
LHM125E27O	LAMPE à vapeur de mercure HP 125W E27	E75	75	186
LHM250E40O	LAMPE à vapeur de mercure HP 250W E40	ED90	90	227



LIGHTING LED



LED SLIM PANELS	154
LED STRIP IP20	155
LED STRIP IP54	156
LED PANELS 45W & 38W	157
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HIGH BAY LED	159
WATERPROOF LED BATTEN	160
STANDARD LED BATTEN	161
STANDARD SLIM LED BATTEN	162
OPTIMAL WATERPROOF LED BATTEN	163
LED DOWNLIGHT SMD	164
LED MODULO SPOT	165
LED FIXED SPOTLIGHT COB 8W	166
LED SPOT MR16 IP65 COB	167
LED SNAIL DOWNLIGHT 30W	168
LED MARKING SPOTLIGHT	169
LED TRACKLIGHT COB	171
LED RECESSED DOWNLIGHT BOX	172
LED WALL LIGHT HEADBOARD	173
LED BOLLARD LIGHTS IP65	174
LED OUTDOOR WALL LAMP IP65	175
LED INGROUND RECESSED OUTDOOR LUMINAIRE RAINBOW	176
LED INGROUND RECESSED OUTDOOR LUMINAIRE HARMONIE	177
LED FLOODLIGHT	178



PLEDR12EB



PLEDR18AJ



PLEDC18EJ



DLED18

Technical specifications

- Modern and ultra-slim design (3mm thickness) for an elegant appearance without clutter constraints
- 85% of energy saving compared to halogen spots and 50% compared to compact fluorescent bulbs
- high light efficiency
- Good quality of light : Colour rendering index > 70
- Voltage : 85V-265 V
- Beam angle : 120 °
- Life time : 25,000 hours
- External driver for greater reliability
- Surface or ceiling mount
- Available in : round format for flush mount or surface mount
- Square for flush mount

Normative specifications

- This product complies with: NF EN 62504
- Environment friendly: 100% RoHs

References

REF.	DESIGNATION	TENSION
Replacement driver		
DLED18	Driver LED 18W	85V-265 V

PACK.	REF.	DESIGNATION	W	SIZE MM	CUT DIAMETER (MM)	COLOR TEMPERATURE (K)	LUMENS	LM/W	CRI
Round recessed panel LED									
50	PLEDR03EB	Round recessed panel LED 03W - L. White	3	85*21	74	6500	135	55	>70
50	PLEDR03EJ	Round recessed panel LED 03W - L. Yellow	3	85*21	74	3000	135	55	>70
50	PLEDR06EB	Round recessed panel LED 06W - L. white	6	120*21	108	6500	330	55	>70
50	PLEDR06EJ	Round recessed panel LED 06W - L. Yellow	6	120*21	108	3000	330	55	>70
30	PLEDR12EB	Round recessed panel LED 12W - L. white	12	170*21	158	6500	720	60	>70
30	PLEDR12EJ	Round recessed panel LED 12W - L. Yellow	12	170*21	158	3000	720	60	>70
30	PLEDR18EB	Round recessed panel LED 18W - L. white	18	225*21	210	6500	1250	69	>70
30	PLEDR18EJ	Round recessed panel LED 18W - L. Yellow	18	225*21	210	3000	1250	69	>70
20	PLEDR24EB	Round recessed panel LED 24W - L. white	24	300*21	282	6500	1680	70	>70
20	PLEDR24EJ	Round recessed panel LED 24W - L. Yellow	24	300*21	282	3000	1680	70	>70
Round surface mounted panel LED									
50	PLEDR06AB	Round apparent Panel LED 06W - L. white	6	122*30	-	6500	360	60	>70
50	PLEDR06AJ	Round apparent Panel LED 06W - L. Yellow	6	122*30	-	3000	360	60	>70
30	PLEDR12AB	Round apparent Panel LED 12W - L. white	12	175*35	-	6500	840	70	>70
30	PLEDR12AJ	Round apparent Panel LED 12W - L. Yellow	12	175*35	-	3000	840	70	>70
30	PLEDR18AB	Round apparent Panel LED 18W - L. white	18	227*35	-	6500	1350	75	>70
30	PLEDR18AJ	Round apparent Panel LED 18W - L. Yellow	18	227*35	-	3000	1350	75	>70
Square recessed panel LED									
50	PLEDC06EB	Square recessed panel LED 06W - L. white	6	120*120*21	105*105	6500	330	55	>70
50	PLEDC06EJ	Square recessed panel LED 06W - L. Yellow	6	120*120*21	105*105	3000	330	55	>70
30	PLEDC12EB	Square recessed panel LED 12W - L. white	12	170*170*21	155*155	6500	720	60	>70
30	PLEDC12EJ	Square recessed panel LED 12W - L. Yellow	12	170*170*21	155*155	3000	720	60	>70
30	PLEDC18EB	Square recessed panel LED 18W - L. white	18	225*225*21	208*208	6500	1250	69	>70
30	PLEDC18EJ	Square recessed panel LED 18W - L. Yellow	18	225*225*21	208*208	3000	1250	69	>70



KRL50505J



KRL3528B5



DLED60



DLED12

Technical specifications

- 5m Kit composed of :
 - Self Adhesive strip (3M Adhesive) 12V DC
 - Power adapter with 220-230V input voltage and 12V DC output voltage
 - Connection accessories Cutting strip in the desired size according to cut marks indicated on the strip
- Available in white and yellow light
- Available in 2 versions :
 - Strip of 5m 14.4W / m (50x50 LED chip)
 - Strip of 5m 2.4W / m (35x28 LED chip) exclusively for indoor use
- Life time : 15,000 h
- 2 years warranty
- Colour rendering index > 60
- Protection class : IP20

Normative specifications

- This product complies with : NF eN 62504
- Environment friendly : 100% RoHs

References

PACK.	REF.	DESIGNATION	POWER/ M (W)	LED CHIPS QUANTITY	LUMENS	LM/W	COLOR TEMPERATURE (K)	LENGTH
Strip LED kit IP20								
10/20	KRL50505B	5m strip kit IP20 50X50 White	14,4	60	600lm	10	6500	5 m
10/20	KRL50505J	5m strip kit IP20 50X50 Yellow	14,4	60	600lm	10	3000	5 m
10/20	KRL3528B5	5m strip kit IP20 35X28 White	2,4	30	100lm	3-4	6500	5 m
10/20	KRL3528J5	5m strip kit IP20 35X28 Yellow	2,4	30	100lm	3-4	3000	5 m

PACK.	REF.	DESIGNATION
Sector adapter		
1	DLED60	Driver for socket outlet 60W
1	DLED12	Driver for socket outlet 12W



REL5050B50



ARELED01



ARELED02

Technical specifications

- Direct connection to the mains (220-240V)
- Strip can be cut every meter
- Easy and flexible installation
- Recommended for outdoor use, protection class: IP54
- Available in white and yellow light
- Life time: 20,000 h
- 2 years warranty
- Connection accessories available
- operating voltage: 220V-230V
- Colour rendering index > 60
- Beam angle : 120

Normative specifications

- This product complies with : IEC 62504
- Environment friendly : 100% RoHs

References

pack.	REF.	DESIGNATION	POWER/M (W)	NOMBRE DE LED/ M	LUMEN	LM/W	COLOR TEMPERATURE (K)	LENGTH
Strip LED IP 54								
1	REL5050B50	Strip LED 50m IP54 50x50 White	9	60	500	45	6500K	50
1	REL5050J50	Strip LED 50m IP54 50x50 Yellow	9	60	500	45	3000K	50

PACK.	REF.	DESIGNATION
Connection accessories :		
1/70	ARELED01	Power cord IP65 for single-colored strip LED AC 220V
1/1000	ARELED02	Connexion housing for strip LED single-colored AC 220V
1/1000	ARELED03	End of circuit cover for strip LED AC 220V



PLEDC45B



PLEDL45J

Technical specifications

- Power : 45W (equivalent to 4*18 fluorescent fixture)
- More than 30% energy saving compared to fluorescent technology
- Better light optimization : 95% of the light is diffused downwards rather than 60% only fluorescent fixtures
- Uniform and homogeneous light
- Modern and ultra-slim design for an elegant appearance without clutter constraints
- Assembly : on ceiling, wall mounted, recessed, surface-mounted or suspended
- Lifetime : 30,000 hours, 4 times more than fluorescent lamps
- External driver for better reliability
- voltage : 220V-230V
- Beam angle : 180 °
- Colour rendering index > 80
- Light efficiency : $\geq 93 \text{ lm / W}$

Normative specifications

- This product complies with : NF eN 62504
- Environment friendly : 100% RoHs

References

Pack.	Ref.	Designation	Power W	Dimension (mm x mm x mm)	Lumens (Lm)	Color temperature (K)	Lm/W
LED panel							
5	PLEDC45B	Square LED Panel white light	45	600x600	4270	6500K	95
5	PLEDC45J	Square LED Panel yellow light	45	600x600	4270	4000K	95
5	PLEDC38B	Square LED Panel white light	38	600x600	3040	6500K	80
5	PLEDC38J	Square LED Panel yellow light	38	600x600	3040	4000K	80
5	PLEDL45B	Long LED Panel white light	45	1200x300	4 200	6500K	94
5	PLEDL45J	Long LED Panel yellow light	45	1200x300	4 200	4000K	94

Accessories

Pack.	Ref.	Designation
Surface frame		
5	CAPLEDCB	Apparent surface frame for LED panels 60x60
5	CAPLEDLB	Apparent surface frame for LED panels 120x30
Replacement driver		
1	DLED45	Replacement driver
Accessories and mounting hardware		
100	KSPLED01	Pendant kit
100	KDPLED02	Mounting hardware for direct installation on ceiling
100	KEPLED03	Mounting hardware for concealed mounting in suspended ceiling

* Refers to annexes Pages 152-153 for mounting options



BESLED70

Technical specifications

LED EMERGENCY LIGHTING BLOCK IP42 / IK04

- Class II luminaire
- Operating autonomy : 1 hour
- Non-maintained operation (NP)
- Manual operation check using 2 buttons located on the reflector :
 - One button for correct operation test
 - One button for turning off the lamp after the test
- Battery :
 - Technology : Ni-Cd for longer lifetime
 - Charging time for a maximum autonomy of 24 hours
- Charge indicator using a green LED
- Assembly :
 - Surface-mounted or ceiling-mounted
 - Ceiling-mounted with mounting frame
- Practical fixing system :
 - Base to be fixed with 2.5mm² screws during technical installations
 - Set «reflector equipped with battery and lamp + diffuser» to be kept for later assembly after painting work to :
 - * Avoid deterioration of the product during the constructions
 - * Protect the battery from frequent power cuts in the building site
- Self-adhesive signal labels to be glued to the front of the BAES supplied
- Protection class : IP42
- Shock resistance index : IK04
- Compatible with remote control BEST50

Normative specifications

- This product complies with :
 - EN-60598-1
 - EN-60598-2-22
 - UNE-20-392-93

References

PACK.	REF.	DESIGNATION
BAES LEDING with Strip LED 2W		
15	BESLED70	LED Emergency lighting block 70 lumens LED 2W
15	BESLED300	LED Emergency lighting block 300 lumens LED 2W
15	BESLED0A1	Apparent surface frame
15	BESLED0E2	Recessed surface frame



HBLED100A

Technical specifications

- Lighting designed to be used in very high ceiling areas (approximately 6 m and more) to provide a well-distributed and uniform light for areas opened like industrial sites.
- High bay waterproof IP65 with a body made of aluminium
- Long life time : 50 000h
- 90% of energy saving
- Complies with CE directives
- Energy class : A++
- Voltage range: 100-240V
- Beam angle : 60°
- colour rendering index : 80
- Meanwell LED Driver
- colour temperature : 5000K

Normative specifications

- This product complies with CE directives

References

PACK.	REF.	DESIGNATION	POWER	COLOR (K)	LUMENS (LM)	LM/W	CRI	BEAM ANGLE	RECOMMENDED INSTALLATION HEIGHT (M)
COMPACT HIGH BAY LED									
1	HBLED100A	LED High bay industrial 100W	100W	5000K	14000	140	80	60°	6-12m
1	HBLED150A	LED High bay industrial 150W	150W	5000K	21000	125	140	60°	6-12m
1	HBLED200A	LED High bay industrial 200W	200W	5000K	28000	125	140	60°	6-12m
1	HBLED240A	LED High bay industrial 240W	240W	5000K	33600	125	140	60°	6-12m



R981/40



R982/20

Technical specifications

- Luminaire waterproof : IP65 - Class I
- Base made of Polycarbonate resistant to chocks & UV.
- Transparent polycarbonate diffuser with high heat resistance
- Platinum sheet pre-lacquered, resistant to heat and corrosion
- Equipped with LED lamps
- Easy closure with clip-on stainless steel fasteners
- Suspension or wall mounting
- Limits of use : voltage 230V ~ / 50Hz
- Operating temperature : -25 ° C and + 50 ° C
- Light efficiency : $\geq 93 \text{ lm / W}$

Normative specifications

- This product complies with : NF EN 60 598-1
- Protection class : IP65

References

Pack.	REF.	DESIGNATION	TYPE	POWER	DIMENSIONS (mm)
Waterproof LED luminaire batten					
1	R981/20	Waterproof LED batten 1x09W	Simple	1x09W	645,5x92
1	R981/40	Waterproof LED batten 1x18W		1x18W	1255x92
1	R982/20	Waterproof LED batten 2x09W	Double	2x09W	645,5x139
1	R982/40	Waterproof LED batten 2x18W		2x18W	1255x139



R312/40

Technical specifications

- Luminaire class I intended to receive 1 or 2 tubes G.13 t8 for an inside use
- Protection class : IP20
- Base and cover in sheet metal pre-lacquered on both sides and resists heat and corrosion
- Equipped with LED lamps
- Limits of use : voltage 230V ~ / 50Hz

Normative specification

- This product complies with : NF EN 60 598-1
- Protection class : IP20 / according to standard : NF EN 60 5 29

References

PACK.	REF.	DESIGNATION	DIMENSION (mm)
Standard LED luminaire batten			
1	R311/20	Standard LED batten 1x09W	618,5 x 375
1	R311/40	Standard LED batten 1x18W	1228 x 985
1	R312/20	Standard LED batten 2x09W	618,5 x 375
1	R312/40	Standard LED batten 2x18W	1228 x 985



R321/20

Technical specifications

- Replacement of fluorescent batten
- Eco slim batten fits perfectly into false ceilings or for linearlighting
- Luminaire equipped with one or two
- 90% of energy saving
- Long life time : 20 000 hours
- Energy class A+
- Voltage range : 150-240V
- Beam angle : 190°
- Colour rendering index > 80
- Colour temperature : 6500K

Normative specifications

- This product conforms to CE directives

References

PACK.	REF	DESIGNATION		POWER (W)	LUMENS	VOLTAGE (V)	CRI	COLOR (K)	LIFETIME (H)	BEAM ANGLE
Standard slim led luminaire batten										
10	R321/20	Standard slim Eco led batten 1X09W	N	9W	800	150-240	80	6500K	20 000	190
10	R321/40	Standard slim Eco led batten 1X18W	N	18W	1600	150-240	80	6500K	20 000	190

N New References



N

R811/20

Technical specifications

- Replaces IP65 fluorescent batten
- 90% of energy saving
- Long life time: 50 000 hours
- Energy class A+
- Voltage range: 150-240V
- IP 65
- Beam angle: 120°
- Colour rendering index > 80
- Colour temperature : 4000K

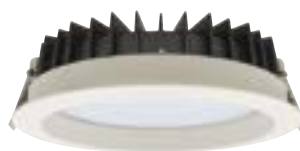
Normative specifications

- This product conforms to CE directives

References

PACK	REF.	DESIGNATION	POWER (W)	LIGHT SOURCE	LED QUANTITY (PCS)	CCT (K)	FROSTED COVER		CLEAR COVER		IRC	BEAM ANGLE
							Lumens	Lm/W	Lumens	Lm/W		
WATERPROOF LED LUMINAIRE BATTEN												
6	R811/20	Waterproof LED batten 20w 	20	2835	108	4000K	1900	95	2100	105	>80	120°
6	R811/30	Waterproof LED batten 30w 	30	2835	156	4000K	2850	95	3150	105	>80	120°
6	R811/40	Waterproof LED batten 40w 	40	2835	216	4000K	3800	95	4200	105	>80	120°
6	R811/50	Waterproof LED batten 50w 	50	2835	264	4000K	4750	95	5250	105	>80	120°
6	R811/65	Waterproof LED batten 60w 	65	2835	351	4000K	6175	95	6825	105	>80	120°

N New References



N

DLED24B00N

Technical specifications

- Replacement of traditional downlights 2xE27
- Booth & mood lighting for shops, fairs, shows, exhibition spaces, business premises, exterior & bathrooms
- Body made of anodised aluminium
- Equipped with a high light transmission diffuser in frosted acrylic
- Equipped with driver LED PHILIPS Certa drive
- Long life time : 50 000hours
- 90% energy saving
- Conforms to directives CE
- Energy Class A+
- Available in 1 colour : ivory white RAL 9001
- Uniform & homogeny light
- Modern space& ultra slim design for an aesthetic mounting without clutter constrains
- Voltage range: 220-240V
- Beam angle : 100°
- Colour rendering index > 85

Normative specifications

- This product complies with CE directives

References

PACK.	REF	DESIGNATION	POWER (W)	LUMENS	VOLTAGE (V)	CRI	COLOR (K)	LIFETIME (H)	BEAM ANGLE
LED DOWNLIGHT SMD IP65									
20	DLED24B00N	LED Downlight SMD IP65 24W white N	24	2236lm	220-240	85	4000°K	50000h	100°

N New References



FLEDS09N

N



FLEDCORB00



FLEDCFRB00

Technical specifications

- Modulo spots 9w & 15w adapt to different sites thanks to its modularity. They offer a large choice between 2 source modules + 2 types of drivers + 3 covers
- Mood lighting for museums, exhibition spaces, shops, fairs, ...
- Body made of anodised aluminium
- Long life time: 50 000hours
- 90% energy saving
- Light source: LED COB 12.8W for the spot 15w et LED COB 7W for the spot 9w
- Voltage range: 220-240V
- Beam angle : 60°
- Colour rendering index > 80
- Available with driver Philips Certa drive dimmable & not dimmable
- Colour temperature : 4000K
- 3 covers available: Round adjustable white / Fixed round white / double box

Normative specifications

- This product conforms to CE directives

References

PACK.	REF	DESIGNATION	POWER (W)	LUMENS	VOLTAGE (V)	CRI	COLOR (K)	LIFETIME (H)	BEAM ANGLE
Spot modulo led									
50	FLEDS09N	Spot Modulo 09W neutral light N	09W	720	220-240	85	4000K	50 000	60
50	FLEDS15N	Spot Modulo 15W neutral light N	15W	1175	220-240	85	4000K	50 000	60

N New References

PACK.	REF	DESIGNATION	MATERIAL
Collars			
100	FLEDCORB00	Round modulo covers adjustable white	Aluminium
100	FLEDCFRB00	Round Modulo covers Rond fixed white	Aluminium
12	FLEDCCD	Double box Modulo	Aluminium

PACK.	REF	DESIGNATION	DRIVER
Drivers			
50	FLEDD09D	Dimming driver Modulo 09W	INGELEC
50	FLEDD15D	Dimming driver Modulo 15W	INGELEC



SLED07B00B

N



SLED08B00N

N

Technical specifications

Fixed spotlight COB 7W

- Replacement of halogen spotlights for shops, fairs, shows, exhibition spaces, business premises, exterior & houses
- Fixed recessed spotlight with body made of anodised aluminium
- Equipped with an anti-reflective optical reflector
- Long lifetime: 25 000 hours
- Energy saving: 90%
- Energy class A+
- Available in 1 colour: ivory white RAL 9001
- Voltage: 180-240V (7W)
- Beam angle: 40°
- Colour rendering index > 80
- Equipped with LED driver
- Colour temperature : 3000°K or 6500°

Technical specifications

Fixed spotlight COB 8W

- Replacement of halogen spotlights for shops, fairs, shows, exhibition spaces, business premises, outdoors & houses
- Recessed fixed spotlight with body made of anodised aluminium
- Equipped with an anti-reflective optical reflector
- Long lifetime: 25 000 hours
- Energy saving: 90%
- Energy class A+
- Available in 1 colour: ivory white RAL 9001
- Voltage: 220-240V (8W)
- Beam angle: 40°
- Colour rendering index > 80
- Equipped with external LED driver
- Colour temperature : 4000°K

Normative specifications

- This product complies with CE directives

References

PACK.	REF	DESIGNATION	POWER (W)	LUMENS	VOLTAGE (V)	CRI	COLOR (K)	LIFETIME (H)	BEAM ANGLE
Fixed spotlight COB 7W									
30	SLED07B00B	Recessed fixed spotlight COB 07W N	07W	572	180-240	80	6500	25000H	40°
30	SLED07B00J	Recessed fixed spotlight COB 07W N	07W	558	180-240	80	3000	25000H	40°

PACK.	REF	DESIGNATION	POWER (W)	LUMENS	VOLTAGE (V)	CRI	COLOR (K)	LIFETIME (H)	BEAM ANGLE
Fixed spotlight COB 8W									
36	SLED08B00N	Recessed fixed spotlight COB 08W N	08W	640	220-240	85	4000	50000H	40°

N New References



ELED07B00N

Technical specifications

- Replacement of halogen spotlights
- Mood lighting for bathroom, showers, outdoors, terrace
- Waterproof IP65, recessed with body made of anodised aluminium
- Equipped with an anti-reflective optical reflector
- Long lifetime: 50 000 hours
- Energy saving: 90%
- Energy class A+
- Available in 1 colour: ivory white RAL 9001
- Light source: LED COB 7W
- Voltage range: 220-240V
- Beam angle: 60°
- Colour rendering index > 85
- Equipped with LED driver Philips Certa drive
- Colour temperature : 4000°K (White)

Normative specifications

- This product conforms to CE directives

References

PACK.	REF	DESIGNATION	POWER (W)	LUMENS	VOLTAGE (V)	CRI	COLOR (K)	LIFETIME (H)	BEAM ANGLE
LED SPOT MR16 IP65 COB									
36	ELED07B00N	LED SPOT MR16 IP65 COB 7W white 	7W	600	220-240V	85	4000°K	50 000	60°

 New References



N

MLED30B00N

Technical specifications

- Replacement of halogen spotlights
- Mood lighting for museums, exhibition spaces, shops, fairs, ...
- Snail downlight recessed adjustable can be inclined to space 40° rotated up to 350° with body made of anodised aluminium
- Equipped with an anti-reflective optical reflector
- Long lifetime: 50 000 hours
- Energy saving : 90%
- Energy class A+
- Available in 1 colour: ivory white RAL 9001
- Light source: LED COB 26W
- Voltage range : 220-240V
- Beam angle : 40°
- Colour rendering index > 85
- Equipped with LED driver Philips Certa drive
- Colour temperature : 4000°K (White)

Normative specifications

- This product conforms to CE directives

References

PACK.	REF	DESIGNATION	POWER (W)	LUMENS	VOLTAGE (V)	CRI	COLOR (K)	LIFETIME (H)	BEAM ANGLE
Downlight Escargot 30W									
12	MLED30B00N	Snail Downlight 30W N	30W	2687	220-240	85	4000	50 000	40°
N New References									



N

BLED01A00N



N

BLED01A01N

Technical specifications

- Replacement of halogen markers spotlights
- Mark-up lighting pour indoor spaces, corridors, stairs
- Markers LED spotlight square or round recessed with body made of aluminium & plastic equipped with an optical lens
- Light source: 1.5W
- Beam angle : 45°
- Colour temperature : 4000°K (White)
- Colour rendering index > 85
- Long lifetime: 50 000 hours
- LED driver
- Voltage range : 100-240V

Normative specifications

- This product conforms to CE directives

References

PACK.	REF	DESIGNATION	POWER (W)	LUMENS	VOLTAGE (V)	CRI	COLOR (K)	LIFETIME (H)	BEAM ANGLE
LED MARKER SPOTLIGHT									
50	BLED01A01N	Square LED marker spotlight brushed steel 1.5W N	1,5	93lm	110-240	85	4000K	50 000	45°
50	BLED01A00N	Round LED marker spotlight brushed steel 1.5W N	1,5	90lm	110-240	85	4000K	50 000	45°

N New References



N

BLED01A02N



N

BLED01A03N

Technical specifications

- Replacement of halogen markers spotlights
- Markers lighting pour interior spaces, corridors, stairs, garden path,...
- LED Markers spotlight square or round recessed with body made of brushed steel
- Light source : 1.5W
- Beam angle : 45°
- Colour temperature : 4000°K (White)
- Colour rendering index > 80
- Long lifetime : 50 000 hours
- LED driver
- Voltage range : 170-250V

Normative specifications

- This product complies with CE directives

References

PACK.	REF	DESIGNATION	POWER (W)	LUMENS	VOLTAGE (V)	CRI	COLOR (K)	LIFETIME (H)
LED MARKERS SPOTLIGHT								
50	BLED01A02N	Round LED markers spotlights 1.5W steel IP65 N	1.5	95lm	110-240	80	4000K	50 000
50	BLED01A03N	Square LED markers spotlights 1.5W steel IP65 N	1.5	95lm	110-240	80	4000K	50 000

N New References



N

TLED15B00N



N

TLED30B01N

Technical specifications

- Replacement of halogen tracklights
- Booth & mood lighting for shops, fairs, shows, exhibition spaces, business premises,
- Body made of anodised aluminium
- Equipped with a plastic reflector
- Long lifetime: 50 000 hours
- Energy saving: 90%
- Energy class A+
- Available in 1 colour: ivory white RAL 9001
- Voltage range: 220-240V
- Beam angle: 40° AND 36°
- Colour rendering index > 85
- Equipped with LED driver Philips Certa drive
- can be inclined to 90° rotated up to 350°
- Colour temperature : 4000°K (White)

Normative specifications

- This product complies with CE directives

References

PACK.	REF	DESIGNATION	POWER (W)	LUMENS	VOLTAGE (V)	CRI	COLOR (K)	LIFETIME (H)	BEAM ANGLE
LED tracklight COB									
20	TLED15B00N	Tracklight LED COB 15W – remote driver 	15W	1057	220-240	85	4000°K	50000h	40°
16	TLED30B01N	Tracklight LED COB 30W – remote driver 	30W	2111	220-240	85	4000°K	50000h	36°

 New References

EMB.	REF	DESIGNATION	MATERIAL
Tracklight accessories			
15	TLEDRT	Rail three-phase 1m tracklight LED	Aluminium
100	TLED CD	Right connector tracklight LED	Aluminium
50	TLEDCL	L format connector tracklight LED	Aluminium
50	TLEDCT	T format connector tracklight LED	Aluminium
25	TLED CX	X format connector tracklight LED	Aluminium
100	TLED F	Feeder Tracklight LED	Aluminium

N



CLED30S00N



CLED30D00N



CLED30T00N

Technical specifications

- Mood lighting for shops, fairs, shows, exhibition spaces, business premises, hotels, restaurants,...
- Recessed LED downlight, body made with aluminium
- Steel housing cold-rolled
- Long lifetime: 50 000 hours
- Energy saving : 90%
- Energy class A+
- Available in 1 color : black and grey
- Light source : LED COB 28W
- Voltage range : 100-240V
- Beam angle : 25°
- Colour rendering index > 80
- Equipped with LED driver Philips
- Colour temperature : 4000°K (White)
- Box available in single, double and triple lights

Normative specifications

- This product complies with CE directives

References

PACK.	REF	DESIGNATION	POWER (W)	LUMENS	VOLTAGE (V)	CRI	COLOR (K)	LIFETIME (H)	BEAM ANGLE
CAISSON DOWNLIGHT ENCASTRABLE									
8	CLED30S00N	Single Recessed LED downlight N	30W	2530	220-240V	85	4000°K	50 000	25°
6	CLED30D00N	Double Recessed LED downlight N	60W	4970	220-240V	85	4000°K	50 000	25°
3	CLED30T00N	Triple Recessed LED downlight N	90W	6880	220-240V	85	4000°K	50 000	25°

N New References



LLED0100N

Technical specifications

- Mood lighting for hotel rooms, offices,
- LED Wall light headboard, body made with anodised aluminium
- Long lifetime : 50 000 hours
- Energy saving : 90%
- Light source : LED SMD 1.5W
- Voltage range : 100-240V
- Beam angle : 25°
- Colour rendering index > 85
- Colour temperature : 4000°K (White)

Normative specifications

- This product complies with CE directives

References

PACK.	REF	DESIGNATION	POWER (W)	LUMENS	VOLTAGE (V)	CRI	COLOR (K)	LIFETIME (H)	BEAM ANGLE
LED Wall light headboard									
36	LLED0100N	LED Wall light headboard	1,5W	104lm	110-240V	85	4000K	50 000	25°

New References



Technical specifications

BOLLARD LIGHTS ROMEO IP65

- Bollard lights for outdoor spaces: garden path,...
- Body made with cast-aluminium
- Long lifetime: 50 000 hours
- Voltage range: 90-260V
- Protection class: IP65 & IK10
- Colour rendering index > 75
- Equipped with LED chip 3W
- Guarantee: 3 years
- Available in 2 formats: 40cm & 80cm

BOLLARD LIGHTS ALTO IP65

- Bollard lights for outdoor spaces: garden path,...
- Body made with cast-aluminium
- Long lifetime: 50 000 hours
- Voltage range: 90-260V
- Protection class: IP65 & IK10
- Colour rendering index > 75
- Beam angle: 120°
- Equipped with LED cells 2*5w
- Guarantee: 3 years

BOLLARD LIGHTS SOFIA IP65

- Bollard lights for outdoor spaces: garden path,...
- Body made with cast-aluminium
- Long lifetime: 50 000 hours
- Voltage range: 90-260V
- Protection class: IP65 & IK10
- Colour rendering index > 75
- Equipped with LED cells 10w
- Guarantee: 3 years

Normative specifications

- This product complies with CE directives

References

PACK.	REF	DESIGNATION	POWER (W)	LUMENS	VOLTAGE (V)	CRI	COLOR (K)	LIFETIME (H)	BEAM ANGLE	Height (mm)
BOLLARD LIGHTS ROMEO IP65										
10	EBLED0301J	Bollard lights Romeo 800mm N	3W	65	90-260	75	3000	50 000	120	800
10	EBLED0302J	Bollard lights Romeo 400mm N	3W	45	90-260	75	3000	50 000	120	400
BOLLARD LIGHTS ALTO IP65										
10	EBLED1003J	Bollard lights ALTO COB N	10W	583	90-260	75	3000	50 000	120	1015
BOLLARD LIGHTS SOFIA IP65										
10	EBLED1005J	Bollard lights 2x5w COB sofia N	2x5W	503	90-260	75	3000	50 000	120	600

N New References



EMLED0304J



EMLED1003J



EMLED0604N

Technical specifications

OUTDOOR WALL LAMP ROMEO IP65

- Outdoor wall lamp for outdoor spaces
- Body made with aluminium
- Voltage range: 90-260V
- Protection class: IP65
- Can be equipped with LED spot GU10
- Guarantee: 3 years

OUTDOOR WALL LAMP SOFIA IP65

- Outdoor wall lamp for outdoor spaces
- Body made with aluminium
- Voltage: 90-260V
- Protection class: IP65
- Can be equipped with LED bulb GU10
- Guarantee: 3 years

OUTDOOR WALL LAMP DOUBLE SENS SOFIA

- Outdoor wall lamp for outdoor spaces
- Body made with aluminium
- Voltage range: 90-260V
- Protection class: IP65
- Equipped with internal LED chip
- Guarantee: 3 years

Normative specifications

- This product complies with CE directives

References

PACK.	REF	DESIGNATION	POWER MAX (W)	VOLTAGE (V)
Outdoor wall lamp Romeo IP65				
20	EMLED0304J	Outdoor wall lamp Romeo IP65 N	50	90-260

PACK.	REF	DESIGNATION	POWER MAX (W)
Outdoor wall lamp Sofia IP65			
20	EMLED1003J	Outdoor wall lamp Sofia IP65 N	50

PACK.	REF	DESIGNATION	POWER (W)	LUMENS	CRI	VOLTAGE (V)	LIFETIME (H)
Outdoor wall lamp double sens Sofia							
20	EMLED0604N	Outdoor wall lamp double sens Sofia N	2x3W	2x142	75	90-260	50 000

N New References



EMLED0101N

Technical specifications

- In-ground recessed outdoor luminaire for outdoor spaces: ideal for facades, terrace or garage entrance
- Body made with aluminium
- Voltage range : 100-240V
- Protection class: IP67
- Colour rendering index 96
- Beam angle : 30°
- Internal LED chip
- Guarantee : 3 years

Normative specifications

- This product complies with CE directives

References

PACK.	REF	DESIGNATION	POWER (W)	LUMENS	VOLTAGE (V)	CRI	COLOR (K)	BEAM ANGLE
In-ground outdoor led luminaire RAINBOW								
50	ESLED0300B	In-ground recessed outdoor LED light Rainbow 3w N	3W	11	100-240	96	3000	30

N New References

N



ESLED0301N

Technical specifications

- In-ground outdoor luminaire for outdoor spaces: ideal for facades, terrace or garage entrance
- Body made with aluminium
- Voltage range: 100-240V
- Protection class: IP67
- Colour rendering index 75
- Beam angle: 216°
- Equipped with LED cells
- Guarantee: 3 years

Normative specifications

- This product complies with CE directives

References

PACK.	REF	DESIGNATION	POWER (W)	LUMENS	VOLTAGE (V)	CRI	COLOR (K)	LIFETIME (H)	BEAM ANGLE
In-ground outdoor LED luminaire Harmonie									
18	ESLED0301N	in-ground recessed outdoor led luminaire harmonie 3W N	3	216	100-240V	75	4000	30000	30

N New References

N



PJLED10G



PJLED30G



PJLED50N

Technical specifications

- Replacement of halogen floodlights from 150 to 1500W
- Mood-lighting in shops, hotels and restaurants
- Outdoor lighting in gardens, houses, parks
- Body & reflector made with aluminium
- Tempered glass
- Long life time : 30000 hours
- Protection class : IP65
- Energy saving: 85%
- Energy class : A+
- Available in 2 colours: grey & black
- Beam angle : 70°

Normative specifications

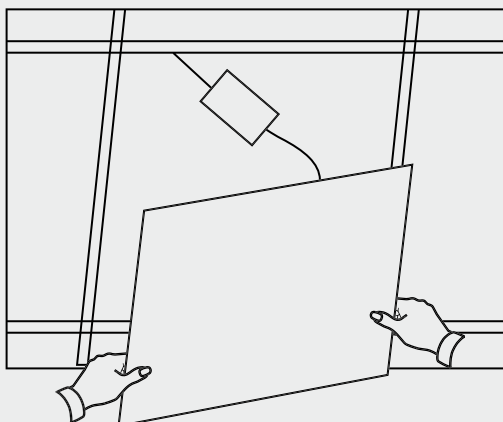
- This product complies with CE directives

References

PACK.	REF	DESIGNATION	POWER (W)	LUMENS	VOLTAGE (V)	CRI	COLOR (K)	LIFETIME (H)	BEAM ANGLE
LED floodlight									
16	PJLED10G	Led floodlight grey 10w white light	10W	650	220-240	80	5000	30 000	70°
16	PJLED10N	Led floodlight black 10w white light	10W	650	220-240	80	5000	30 000	70°
16	PJLED20G	Led floodlight grey 20w white light	20W	1300	220-240	80	5000	30 000	70°
16	PJLED20N	Led floodlight black 20w white light	20W	1300	220-240	80	5000	30 000	70°
12	PJLED30G	Led floodlight grey 30w white light	30W	1950	220-240	80	5000	30 000	70°
12	PJLED30N	Led floodlight black 30w white light	30W	1950	220-240	80	5000	30 000	70°
10	PJLED50G	Led floodlight grey 50w white light	50W	3250	220-240	80	5000	30 000	70°
10	PJLED50N	Led floodlight black 50w white light	50W	3250	220-240	80	5000	30 000	70°

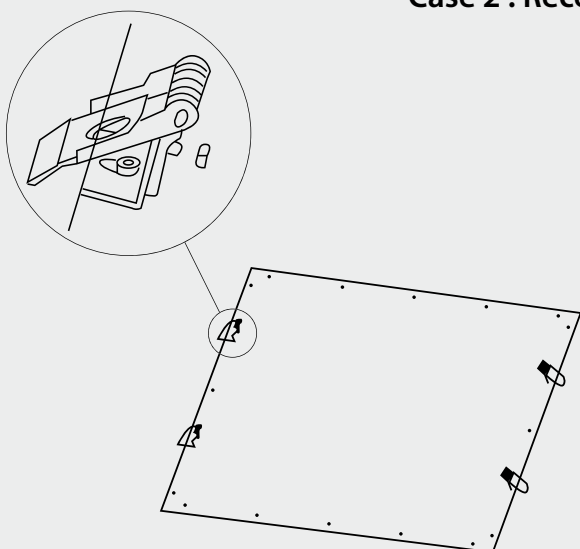
New References

Case 1: Integration in square plaster



No accessories needed

Case 2 : Recessed in suspended ceiling



Accessories : KEPLD03

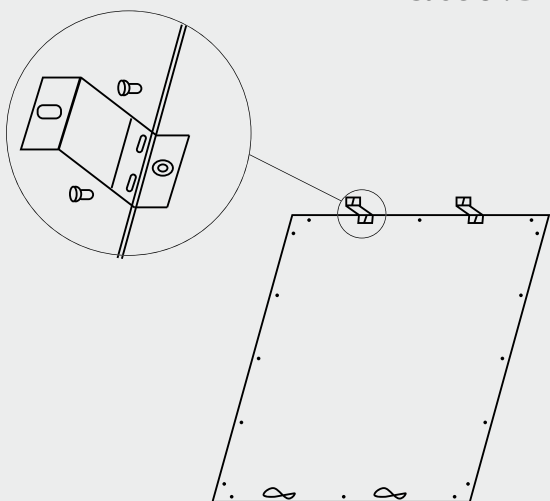


x4



x4

Case 3 : Direct mounting on ceiling



Accessories : KEPLD02

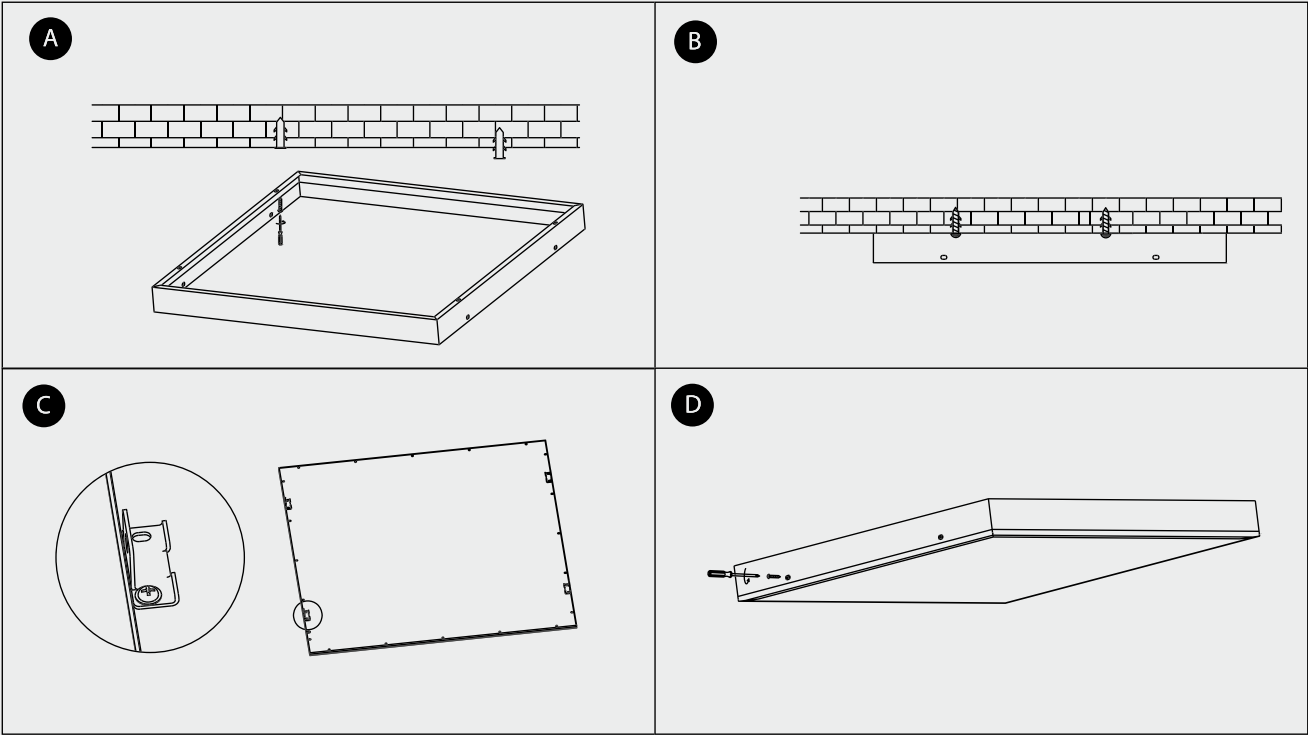


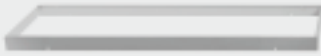
x4



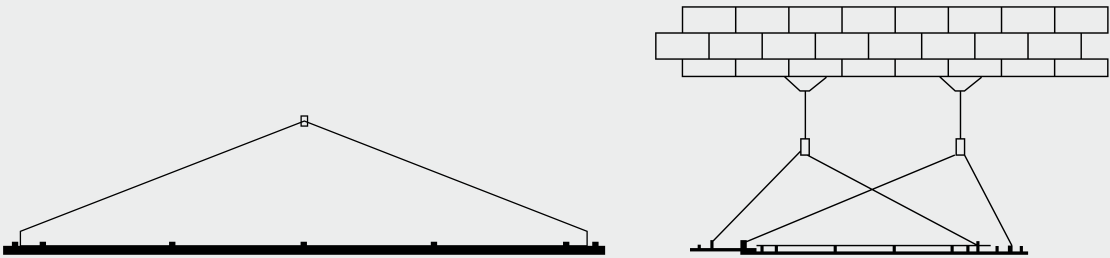
x4

Case 4 : Integration with apparent surface frame



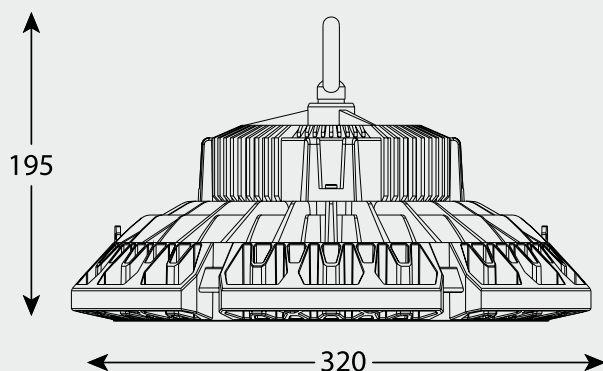
Accessories :	
Square panel : CAPLEDC8	Long panel : CAPLEDL8
 60x60cm	 120x30cm
	 x4

Case 5 : suspended

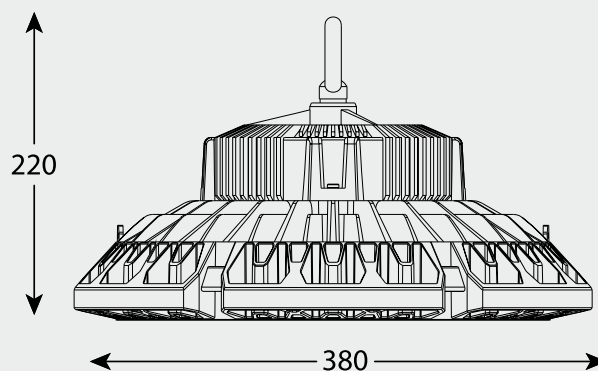


Accessories : KSPLED01	
	
x2	x2
	
x2	x4

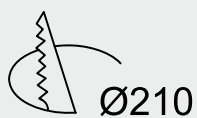
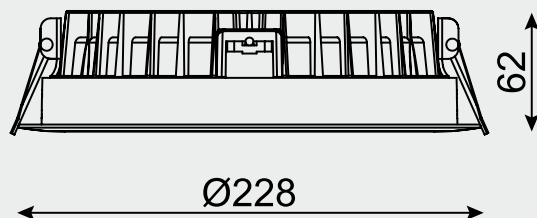
Technical drawing



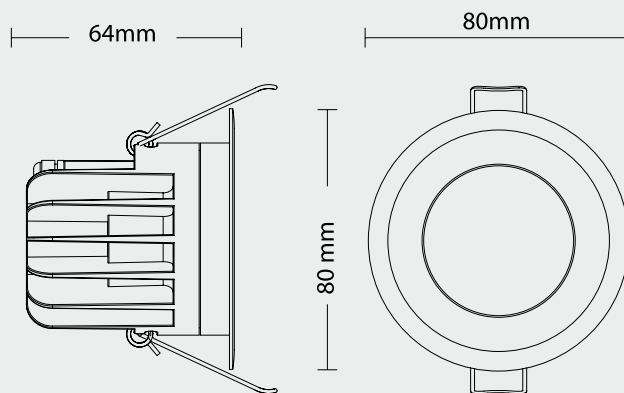
High Bay 100W et 150W



High Bay 200W et 240W

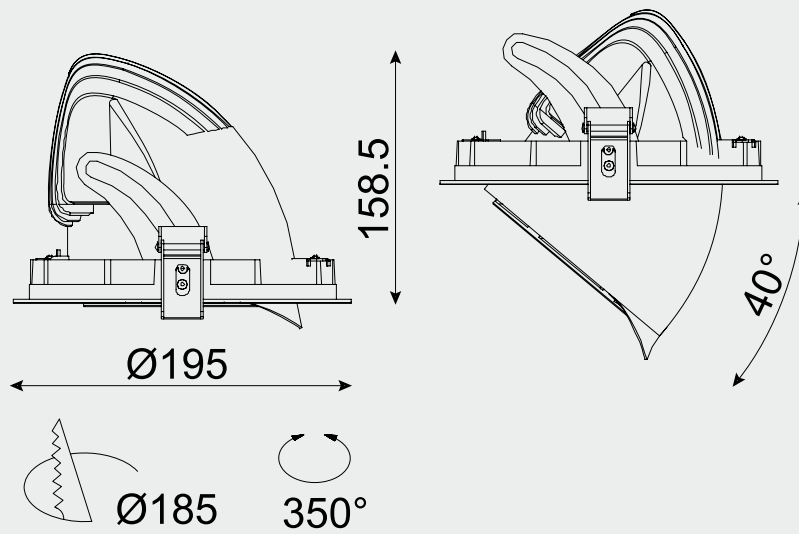


Downlight LED SMD 24W

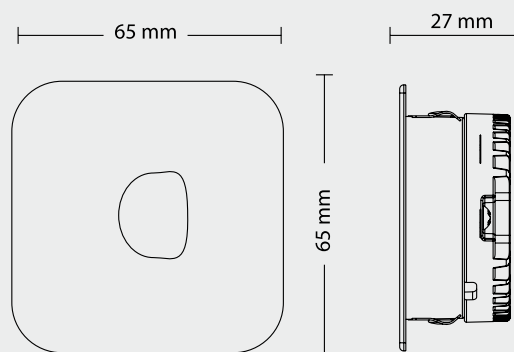


Spot MR16 IP65 COB

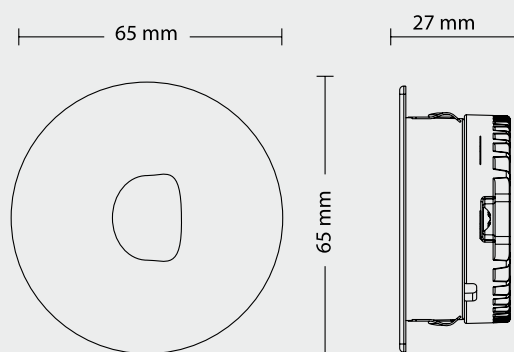
Technical drawing



Spot MR16 IP65 COB

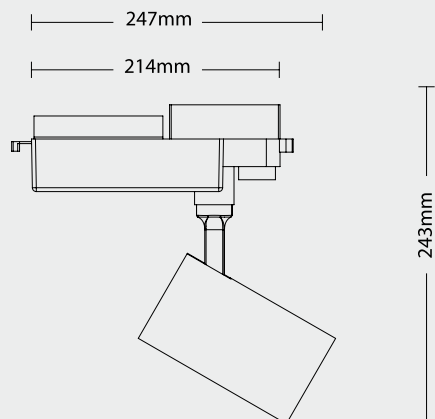


Marking spotlight square

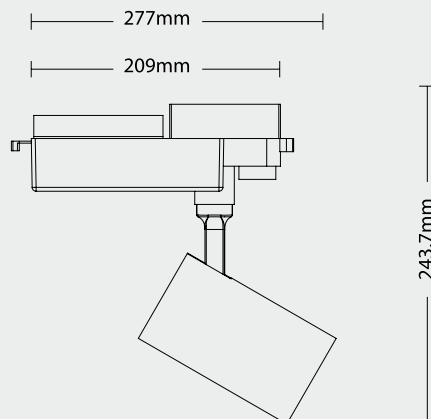


Marking spotlight round

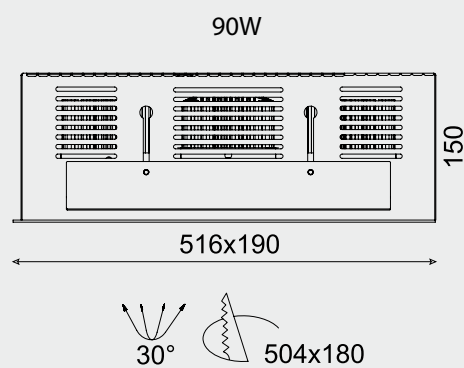
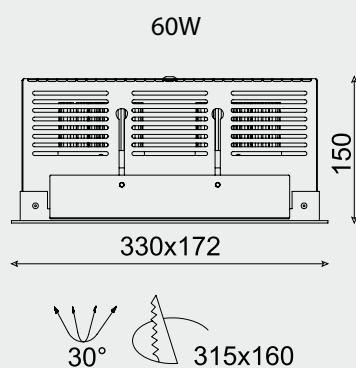
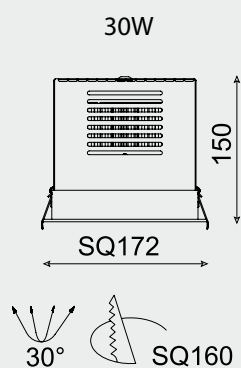
Technical drawing



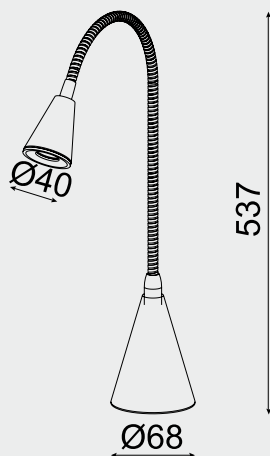
Tracklight LED COB
TLED15B00N / TLED30B01N



Tracklight LED COB
TLED30B01N

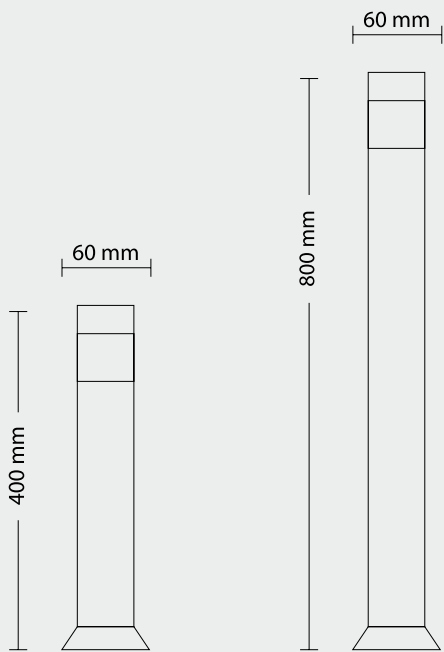


Recessed LED downlight box

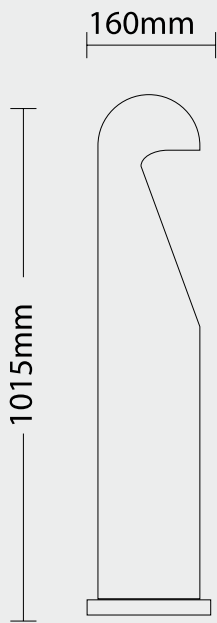


LED wall light headboard

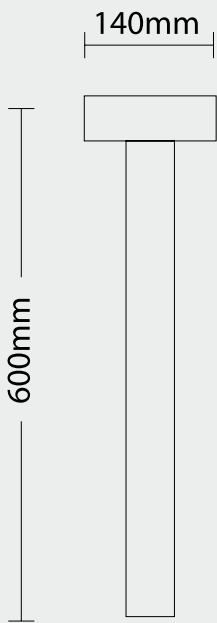
Technical drawing



Bollard lights ip65 Romeo

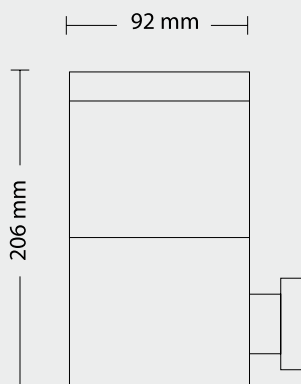


Bollard lights ip65 Alto

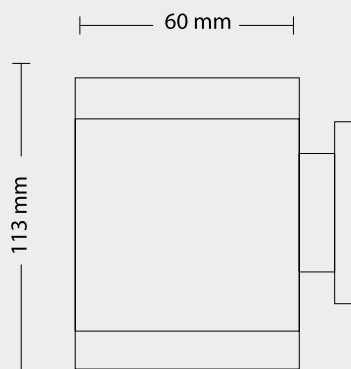


Bollard lights ip65 Sofia

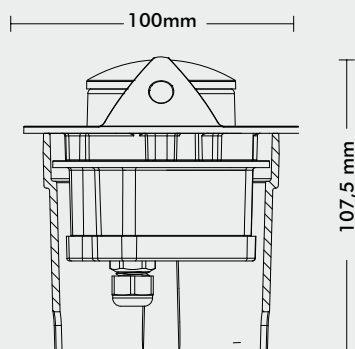
Technical drawing



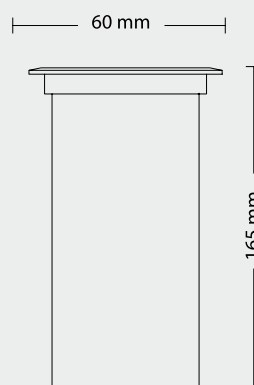
Outdoor wall lamp IPS65 Romeo



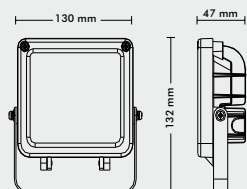
Outdoor wall lamp IPS65 Sofia



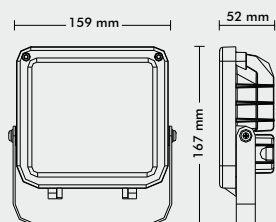
In-ground recessed outdoor wall lamp rainbow



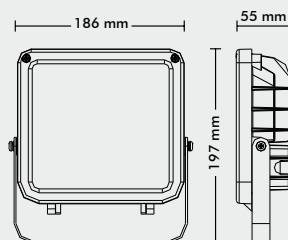
In-ground recessed outdoor wall lamp ip65 Harmonie



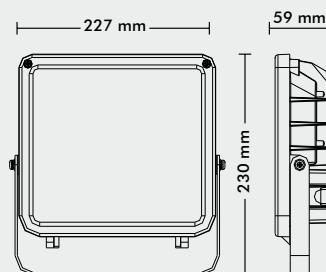
10W



20W



30W



50W

LED Floodlight

LIGHTING



CIRCULAR SURFACE MOUNTED LUMINAIRES LINA	188
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7101/04A

Technical specifications

- Class II luminaire,
- Modern and discreet design for wet and dusty indoor and outdoor environments
- Protection class : IP54
- Resistance to mechanical shocks: IK10
- Self extinguishing: all components are resisting to temperatures up to 850 °C
- Aluminium reflector with High reflection level
- Mounting : in the Ceiling or Wall Lamp position (socket at the bottom)
- Cables and tubes entering at the back via a suction cup to guarantee the tightness of IP grade
- Equipped with B22 socket in polyamide or E27 socket in white porcelain according to the references

Restrictions:

- Voltage: 230V / 50Hz
- Maximum power for incandescent lamp: 100w for circular surface mounted luminaires
- Maximum power of CFL : 28w
- Maximum dimensions of the lamp : 165 mm x 48 mm

Normative specifications

- This product complies with :
- French standards : NF EN. 60598-1 & NF EN. 60598-2-1
- Moroccan standards : NM 06 7 080 & NM 06 7 081
- Protection class IP54 according to the standard : NF EN 60 5 29
- Resistance to mechanical shocks IK10 according to the standard NF EN 62 262
- European directives : 2006/95/CE ET 2011/65/UE

References

PACK	COLOR	REFERENCE	DESIGNATION	SIZE (MM)
Circular surface mounted luminaire				
5	White	7101/04A	Circular Plastic surface mounted luminaire white B22	270 x100
5		7121/04A	Circular Plastic surface mounted luminaire white E27	
5	Grey	7101/04	Circular Plastic surface mounted luminaire grey B22	
5		7121/04	Circular Plastic surface mounted luminaire grey E27	



7120/04A

Technical specifications

- Class II luminaire,
- Modern and discreet design for wet and dusty indoor and outdoor environments
- Protection class : IP54
- Resistance to mechanical shocks : IK10
- Self extinguishing: all components are resisting to temperatures up to 850 ° C
- Aluminium reflector with High reflection level
- Mounting : in the Ceiling or Wall Lamp position (socket at the bottom)
- Cables and tubes entering at the back via a suction cup to guarantee the tightness of IP grade
- Easy closure with snap fasteners
- Equipped with B22 socket in polyamide or E27 socket in white porcelain according to the references

Restrictions:

- Voltage : 230V / 50Hz
- Maximum power of incandescent lamps: 70w for oval surface mounted luminaires
- Maximum power of Fluorescent lamps: 9 to 28w
- Maximum dimensions of the lamp : 165 mm x 48 mm

Normative specifications

- This product complies with :
- French standards : NF EN. 60598-1 & NF EN. 60598-2-1
- Moroccan standards : NM 06 7 080 & NM 06 7 081
- Protection class IP54 according to the standard : NF EN 60 5 29
- Resistance to mechanical shocks IK10 according to the standard NF EN 62 262
- European directives : 2006/95/CE ET 2011/65/UE

References

PACK	COLOR	REFERENCE	DESIGNATION	SIZE (MM)
Oval surface mounted luminaire				
5	White	7100/04A	Oval Plastic surface mounted luminaire white B22	270 x160 x100
5		7120/04A	Oval Plastic surface mounted luminaire white e27	
5	Grey	7100/04	Oval Plastic surface mounted luminaire grey B22	
5		7120/04	Oval Plastic surface mounted luminaire grey e27	



7101/04D



7121/04AD

Technical specifications

- Automatically switches on when a motion is detected nearby for power saving. Automatic shutdown according to the desired setting
- Specially designed for low-traffic areas such as entrances, buildings, corridors, stairs, car parks...
- Protection class : IP54
- Resistance to mechanical shocks : IK10
- Self-extinguishing: all components are resisting to temperatures up to 850 °C

Technical specifications of motion detector

- HF system : 5,8 GHz CW radar, ISM band
- Power transmission : < 10mw
- Charge : 1200w (220-240VAC)
- Angle of detection: 360 °
- Scope : 3-10m (rays), adjustable
- Timer : 8 secondes à 12 min
- Light control : 2-2000Lux

Normative specifications

- This product complies with :
- French standards : NF EN. 60598-1 & NF EN. 60598-2-1
- Moroccan standards : NM 06 7 080 & NM 06 7 081
- Protection class IP54 according to the standard : NF EN 60 5 29
- Resistance to mechanical shocks IK10 according to the standard NF EN 62 262
- European directives : 2006/95/CE ET 2011/65/UE

References

PACK	COLOR	REFERENCE	DESIGNATION	SIZE (MM)
Hublot Rond				
5	White	7121/04AD	Circular Plastic surface mounted luminaire white B22 with motion detector	270 x100
5		7101/04AD	Circular Plastic surface mounted luminaire white E27 with motion detector	
5	Grey	7121/04D	Circular Plastic surface mounted luminaire grey B22 with motion detector	
5		7101/04D	Circular Plastic surface mounted luminaire grey E27 with motion detector	

LUMINA



7201V

IRIS



7121/03

Technical specifications

- Waterproof luminaire Class II designed for wet and dusty environments
- Protection class : IP44
- Resistance to mechanical shocks :
 - IRIS : IK10
 - LUMINA GLASS : IK04
- Self extinguishing: all components are resisting to temperatures up to 850 ° C
- Aluminium reflector with High reflection level
- Mounting: in the Ceiling or Wall Lamp position (socket at the bottom)
- Cables and tubes entering at :
 - The back via a suction cup
 - The sides by two holes that can accommodate a Pg11 cable gland not supplied
- Diffuser fixing by simple ¼ turn
- Equipped with B22 socket with metallic path and e27 porcelain depending on references
- Polycarbonate diffuser for Ref. 7101 / 03A and 7121 / 03A
- Clear glass diffuser for Ref. 7201/03 and 7221/03

Restrictions :

- Voltage : 230V / 50Hz
- Maximum power of incandescent lamps : 100w
- Maximum dimensions of the lamp : 165 mm x 48 mm

Normative specifications

- This product complies with :
- French standards: NF EN. 60598-1 & NF EN. 60598-2-1
- Moroccan standards : NM 06 7 080 & NM 06 7 081
- Protection class IP44 according to the standard : NF EN 60 5 29
- European directives : 2006/95/CE ET 2011/65/UE

References

PACK	COLOR	REFERENCE	DESIGNATION	SIZE (MM)
Surface mounted luminaires LUMINA				
5	White	7201V	Circular glass surface mounted luminaire white B22	228 x 107
5		7221V	Circular glass surface mounted luminaire white E27	
Surface mounted luminaires IRIS IP44				
5	Grey	7101/03A	Circular glass surface mounted luminaire grey B22	228 x 107
5		7121/03A	Circular glass surface mounted luminaire grey E27	



7100/05A



7101/05A

Technical specifications

- waterproof luminaire Class II designed for wet and dusty environments
- Protection class : IP44
- Resistance to mechanical shocks : IK10
- Self extinguishing : all components are resisting to temperatures up to 850°C
- Aluminium reflector with High reflection level
- Mounting : in the Ceiling or Wall Lamp position (socket at the bottom)
- Cables and tubes entering at the back via a suction cup delivered mounted
- Easy closure with snap fasteners

Restrictions :

- Voltage : 230V / 50Hz
- Maximum power of incandescent lamps : 75w
- Maximum dimensions of the lamp : 165 mm x 48 mm

Normative specifications

- This product complies with :
- French standards : NF EN. 60598-1 & NF EN. 60598-2-1
- Moroccan standards : NM 06 7 080 & NM 06 7 081
- Protection class IP44 according to the standard : NF EN 60 5 29
- European directives : 2006/95/CE ET 2011/65/UE
- Resistance to mechanical shocks IK10 according to the standard NF EN 62 262

References

PACK	REF.		DESIGNATION	SIZE (MM)
Oval				
12	7100/05A	B22	Oval plastic surface mounted luminaire white B22	225 x 147 x 118
12	7100/05		Oval plastic surface mounted luminaire grey B22	
12	7120/05A	E27	Oval plastic surface mounted luminaire white e27	
12	7120/05		Oval plastic surface mounted luminaire grey e27	
Circular				
12	7101/05A	B22	Circular plastic surface mounted luminaire white B22	247x116
12	7101/05		Circular plastic surface mounted luminaire grey B22	
12	7121/05A	E27	Circular plastic surface mounted luminaire white e27	
12	7121/05		Circular plastic surface mounted luminaire grey e27	



7033

Technical specifications

- waterproof luminaire Class II designed for wet and dusty environments
- Protection class : IP44
- Resistance to mechanical shocks: IK10
- Self extinguishing : all components are resisting to temperatures up to 850 ° C
- Aluminium reflector with High reflection level
- Mounting : in the Ceiling or Wall Lamp position (socket at the bottom)
- Cables and tubes entering at the back by suction cup delivered mounted
- Diffuser and base made of polycarbonate
- Easy closure with snap fasteners

Restrictions :

- Voltage : 230V / 50Hz
- Maximum power of incandescent lamps : 75w
- Maximum dimensions of the lamp : 165 mm x 48 mm

Normative specifications

- This product complies with :
- French standards : NF EN. 60598-1 & NF EN. 60598-2-1
- Moroccan standards : NM 06 7 080 & NM 06 7 081
- Protection class IP44 according to the standard : NF EN 60 5 29
- European directives : 2006/95/CE ET 2011/65/UE
- Resistance to mechanical shocks IK10 according to the standard NF EN 62 262

References

PACK	COLOR	REFERENCE	DESIGNATION	SIZE (MM)
12	White	7032	Ceiling light B22	106 x 226 x 226
12		7033	Ceiling light e27	



Technical specifications

- waterproof luminaire for wet environments
 - Class I : for references equipped with 2P+E socket
 - Class II : for other references
- Protection class :
 - IP21 : for references equipped with 2P+E socket
 - IP23 : for other references
- Resistance to mechanical shocks : IK10
- Self extinguishing : all components are resisting to temperatures up to 850 ° C
- Aluminium reflector with High reflection level
- Mounting : in the Ceiling or Wall Lamp position (socket at the bottom)
- Cables and tubes entering at the back by suction cup delivered mounted
- Diffuser and base in polycarbonate

Restrictions :

- Voltage : 230V / 50Hz
- Maximum power of incandescent lamps : 75w
- Rated current : 16A for additional outlets

Normative specifications

- This product complies with :
 - French standards : NF EN. 60598-1 & NF EN. 60598-2-1
 - Moroccan standards : NM 06 7 080 & NM 06 7 081
 - wire bond 960° C according to IEC60695-2-10
 - Protection class IP44 according to the standard : NF EN 60 5 29
 - European directives : 2006/95/CE ET 2011/65/UE
 - Resistance to mechanical shocks IK10 according to the standard NF EN 62 262

References

PACK	DESIGNATION	REFERENCE	SIZE (MM)
Transparent			
1/15	Simple wall mounted luminaire	7540	445x65x90
1/15	Wall mounted luminaire + light switch	7542	
1/15	Wall mounted luminaire + light switch + 2P socket	7544	
1/15	Wall mounted luminaire + light switch + 2P socket + T	7546	
Opaline			
1/15	Simple wall mounted luminaire	7560	445x65x90
1/15	Wall mounted luminaire + light switch	7562	
1/15	Wall mounted luminaire + light switch + 2P socket	7564	
1/15	Wall mounted luminaire + light switch + 2P socket + T	7566	



BESN070

Technical specifications

EMERGENCY LIGHTING BLOCK IP42 / IK04

- Class II luminaire
- Operating autonomy : 1 hour
- Non-maintained operation (NP)
- Manual operation check using 2 buttons located on the reflector :
 - One button for correct operation test
 - One button for turning off the lamp after the test
- Battery :
 - Technology : Ni-Cd of for longer lifetime
 - Charging time for a maximum autonomy of 24 hours
- Charge indicator using a green LED
- Assembly :
 - Apparent : in surface-mounted or ceiling-mounted
 - Ceiling-mounted with mounting frame
- Practical fixing system
 - Base to be fixed with 2.5mm² screws during technical installations
 - Set «reflector equipped with battery and lamp + diffuser» to be kept for later assembly after painting work to :
 - * Avoid deterioration of the product during the constructions
 - * Protect the battery from frequent power cuts in the building site
- Self-adhesive signal labels to be glued to the front of the BAES supplied
- Protection class : IP42
- Shock resistance index : IK04
- Compatible with remote control BEST50

Normatives

- This product complies with standard :
 - EN-60598-1
 - EN-60598-2-22
 - UNE-20-392-93

References

PACK	REF.	DESIGNATION
BAES ECOBLOC with fluorescent lamp 6w		
12	BESN070	BAES 70 LUMENS 6W LAMP G5
12	BESN300	BAES 300 LUMENS 6W LAMP G6
1	BESN000	Fixing frame

Accessories

REMOTE CONTROL FOR BAES

- Used for the control of the emergency lighting block
- Operates in two modes :
 - Ignition mode: Allows to check the operation of emergency blocks lamps without having general cut of the power.
 - Extinguishing mode: allows to force the extinction of the blocks during a general power cut (This function preserves the BAES charge when the premises are unoccupied)
- Maximum number of luminaires to be connected: 50
- Autonomy : 25 cycles ON / OFF (with charge of 50 luminaires).
- Operating temperature : 25°C.
- Battery :
 - Technology : Hi-Drain Ni-Mh
 - Charge time for maximum battery life : 24 hours
- Charge indicator using a green LED
- Wiring :
 - Input : Low voltage 2 x 1.5 mm²
 - Output : Very low voltage 2 x 1.5 mm²

Normative specifications

- This product complies with standard :
 - NF EN-60598-1
 - Protection class IP20 according to the standard : NF EN 60 5 29

References

PACK	REF.	DESIGNATION
Remote control for BAES		
1	BEST50	Remote control for BAES



R951/40



R952/20

Technical specifications

- Protection class : IP65 – Class I
- Base in polycarbonate : chocks & UV resistant
- Transparent polycarbonate diffuser with high heat resistance
- Pre-lacquered sheet plate, resistant to heat and corrosion
- Equipped with ferromagnetic ballast
- Easy to close with stainless steel clip-on clips
- Suspended or wall-mounted

Restrictions :

- Voltage : 230V / 50Hz
- Maximum power of Fluorescent tube T8 : 75w
- Operating temperature : -25° & +50°

Normative specifications

- This product complies with :
- French standards : NF EN. 60598-1
- Protection class IP65

References

PACK	REFERENCE	DESIGNATION	TYPE	POWER	SIZE (mm)
Waterproof surface mounted luminaire					
1	R951/20	Waterproof surface mounted luminaire 1*18W	Simple	1x18W	645,5X92
1	R951/40	Waterproof surface mounted luminaire 1*36W		1x36W	1255X92
1	R951/58	Waterproof surface mounted luminaire 1*58W		1x58W	1560X92
1	R952/20	Waterproof surface mounted luminaire 2*18W	Double	2x18W	645,5X139
1	R952/40	Waterproof surface mounted luminaire 2*36W		2x36W	1255X139
1	R952/58	Waterproof surface mounted luminaire 2*58W		2x58W	1560X139



R302/40

Technical specifications

- Luminaire class I able to support 1 or 2 lamps G.13 T8 in indoor use
- Protection class IP20
- Base and cover in sheet metal pre-lacquered on both sides, resistant to heat and corrosion
- Equipped with ballast, starter socket & lamp socket
- Equipped with ferromagnetic ballast for fluorescent tubes

Restrictions :

- Voltage : 230V / 50Hz

Normative specifications

- This product complies with :
- French standards : NF EN. 60598-1
- Protection class IP20 according to standard NF EN 60 5 29

References

PACK	REF.	DESIGNATION	SIZE (mm)
Surface mounted batten luminaire			
1	R301/20	Simple batten luminaire 1*18W	618,5 x 375
1	R301/40	Simple batten luminaire 1*36W	1228 x 985
1	R302/20	Simple batten luminaire 2*18W	618,5 x 375
1	R302/40	Simple batten luminaire 2*36W	1228 x 985



PA418



PE236

Technical specifications

- Quiet and non-flashing luminaire
- Cold-rolled steel housing, phosphor-treated, painted in white
- Low luminance grid double parabolic with aluminum :
 - Laminated for better corrosion resistance.
 - Coated with a metallised PVD film.
- Metal parts treated by blue passivation according to Rohs directive
- Transversal textured blades
- Two nylon hinges installed for easy opening of the grid
- Entry of power cables protected "anti cut"
- Cable protection by fiberglass tubes, in the warm-up areas
- Steel mounting kits for recessed models
- Recessed-mounted or surface-mounted depending on the model
- Extra-flat housing adapted to small spaces
- Ballast screwed (not crimped) for easy replacement
- 2 installation gloves delivered with each ceiling

ELECTRICAL SPECIFICATIONS FOR CEILING T8 FIXTURES :

- Class C ferromagnetic ballasts
 - Technical characteristics of the ballast :

Ref	Power (V)	Type	Current	Voltage AC	Weight	AT	Cp	IN
				V.Hz	Kg	K	uF	A
BL18	18	T8	370	230,5	0,5	65/110	4,5	120
BL36	36	T8	430	230,5	0,5	60/160	4,5	210

- Starter
 - Ignition time : <5 seconds
 - Number of on / off cycles : 8000

Normative specifications

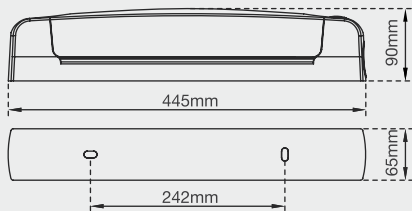
- This product complies with :
 - standards : CEI 60598-1 & CEI60598-2-2
 - terminal strips certified VDE

References

PACK	REF.	DESIGNATION	LAMP	SIZE (mm)
T8				
1	PE236	Ceiling recessed luminaire 2*36	2x36W	1196 x 296 x 83
1	PE418	Ceiling recessed luminaire 4*18	4x18W	596 x 596 x 83
1	PA236	Ceiling recessed luminaire 2*36	2x36W	1217 x 296 x 80
1	PA418	Ceiling recessed luminaire 4*18	4x18W	608 x 596 x 80

WALL MOUNTED LUMINAIRE FOR WASHBASIN

A Blockage



B Installation mode

- Installation will be compliant with the norm : NF C15-100
- Please install in normal ventilation conditions

Bathroom			Other
			Kitchens
			Rooms
			Living room
			libraires

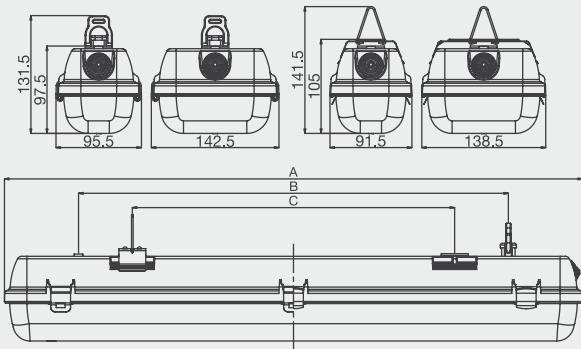
C Electrical connection



D Limits of use

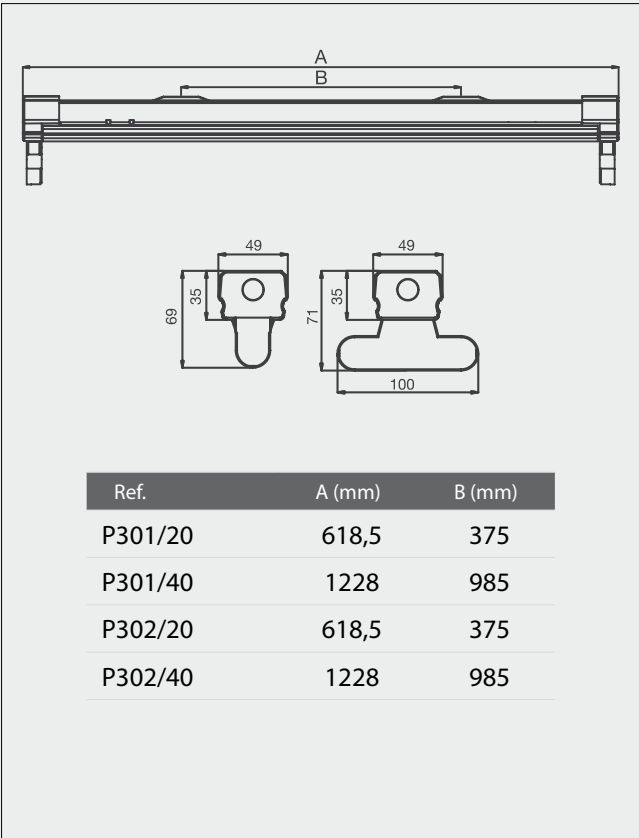
- Rated tension : 220V
- Power lamp : 75W Max
- Rated current : 16A for additional outlets
- Protection index IP23 for references: 75_0, 75_2, 75_4, 75_8
- Protection index IP231 for references : 75_6

WATERPROOF SURFACE MOUNTED BATTEN LUMINAIRE

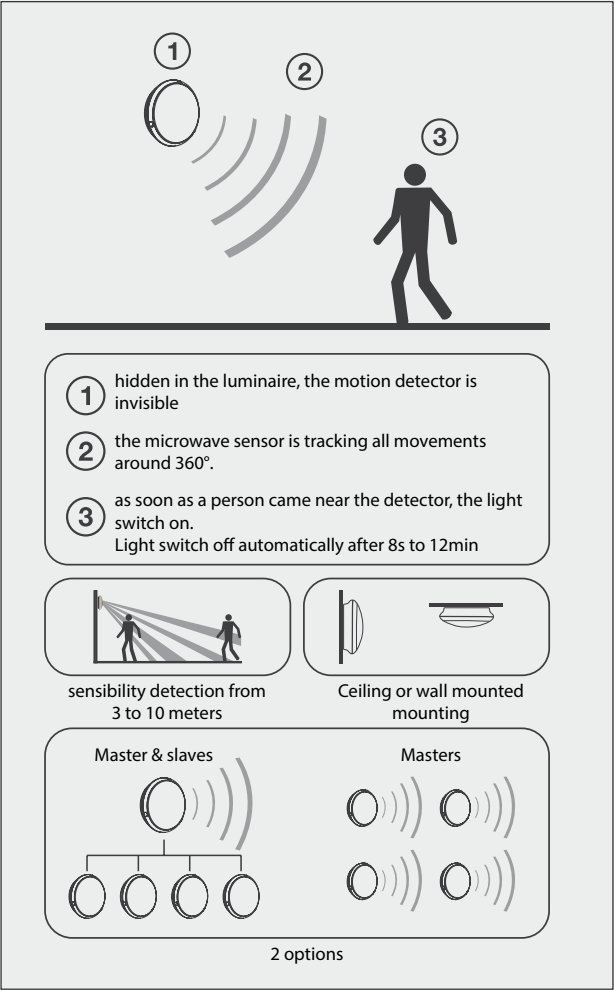


Ref.	A (mm)	B (mm)	C (mm)
R951/20	645.5	480	360
R952/20			
R951/40	1255	980	860
R952/40			
R951/58	1560	1280	1160
R952/58			

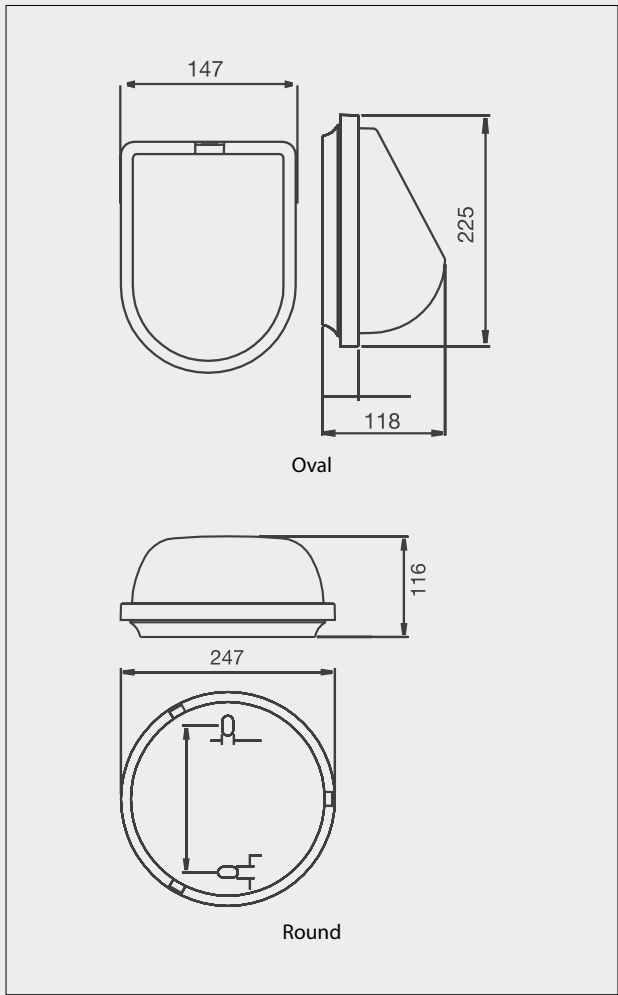
FLUORESCENT BATTEN



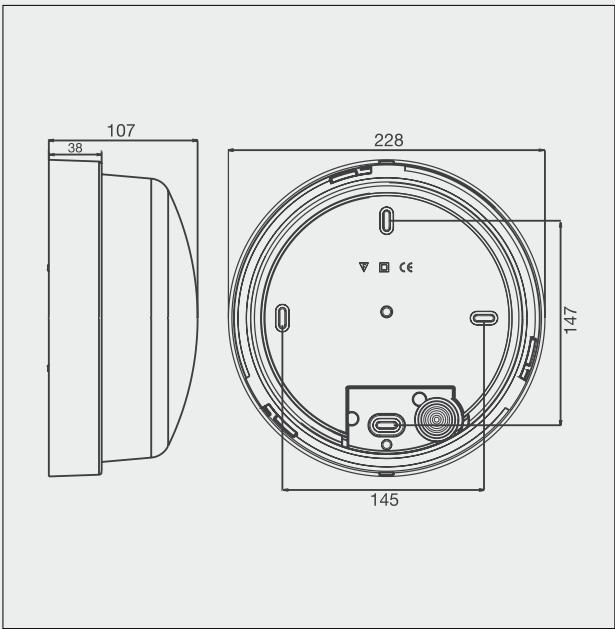
FIXTURE LINA



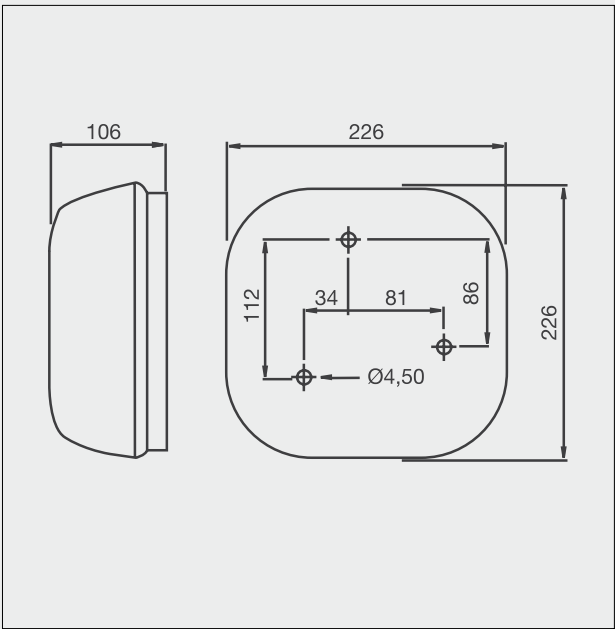
FIXTURE ETOILE



FIXTURE LUMINA



CEILING LIGHT DECOPAL





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