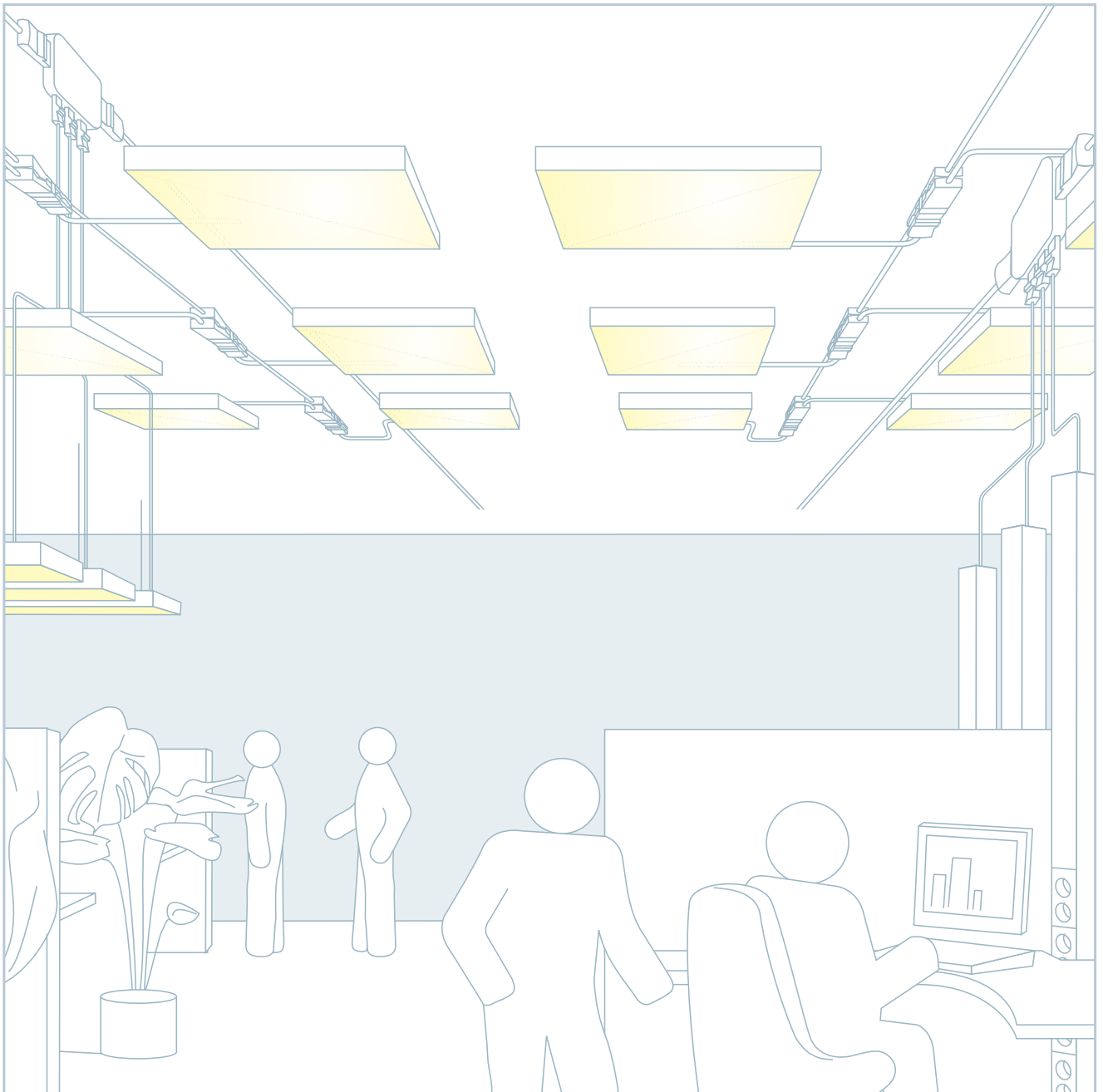


ENSTO

DESIGNER'S GUIDE

Wiring solutions for prefabricated installation

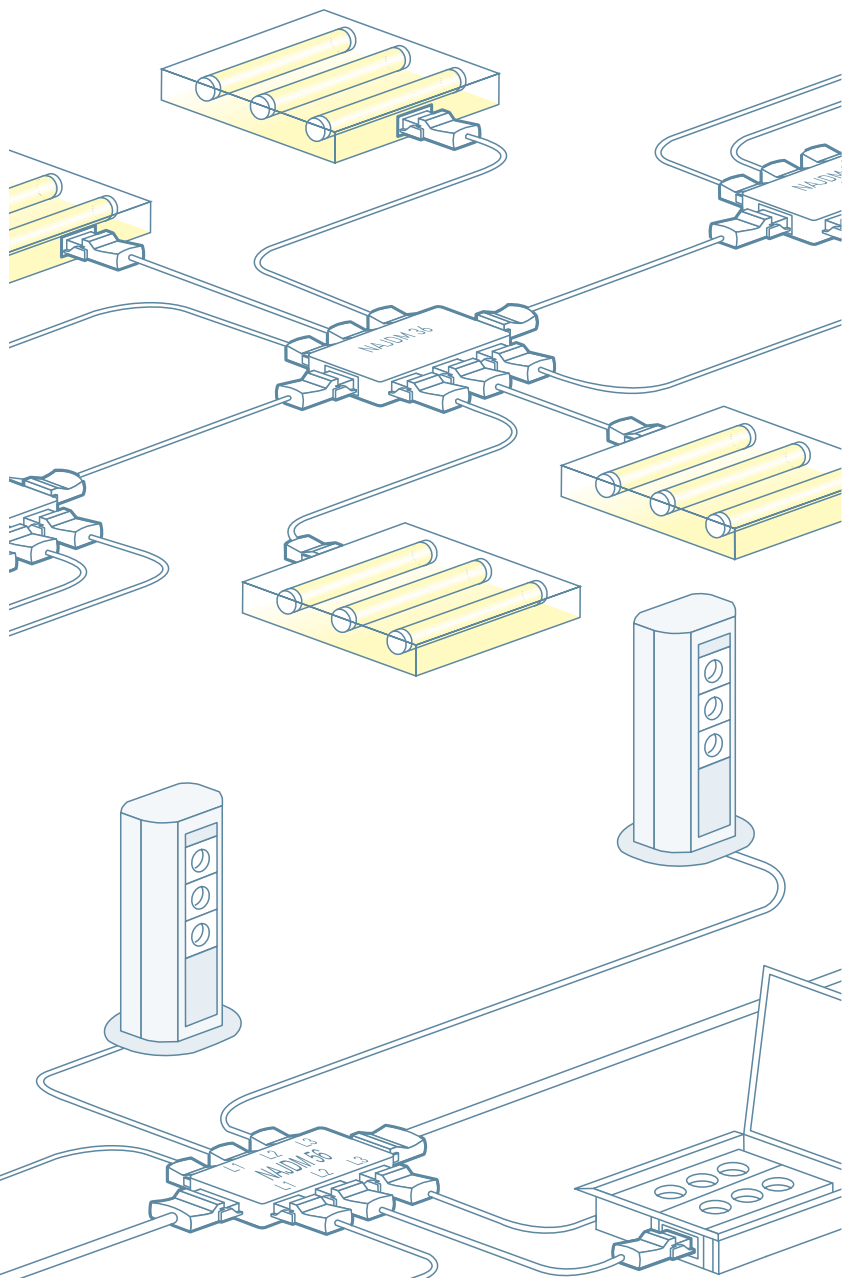


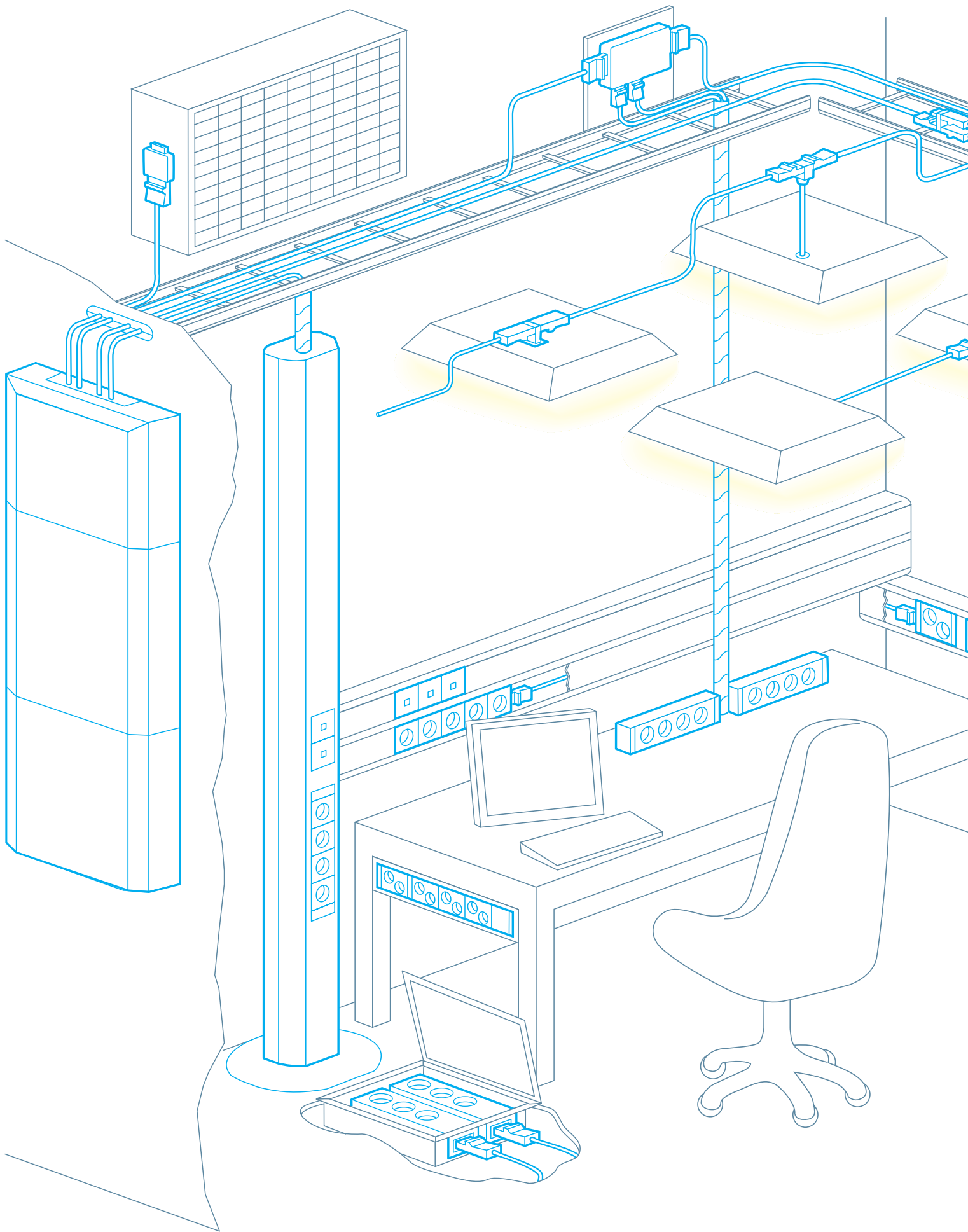
Prefabricated Installation System

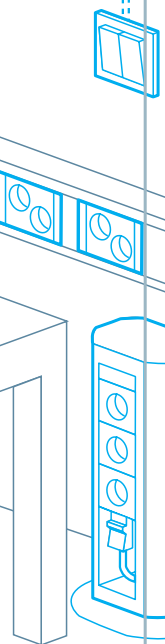
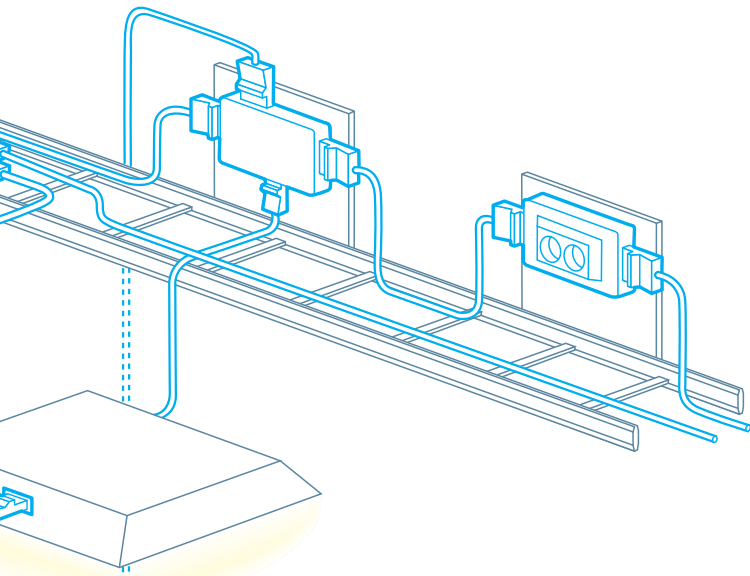
The prefabricated installation system is used to facilitate installation work and to meet the requirements of modern building construction. The industrially prefabricated installation system is part of a developed building process, where flexibility and industrial production advantages are combined. It is based on advanced prefabrication for electrical installations. Thus the installation work is faster and afterwards changes are easy to carry out.

Advantages of the system:

- Flexibility of planning
- Time and money saving
- Fast installation
- Alterations are easy
- Components can be reused







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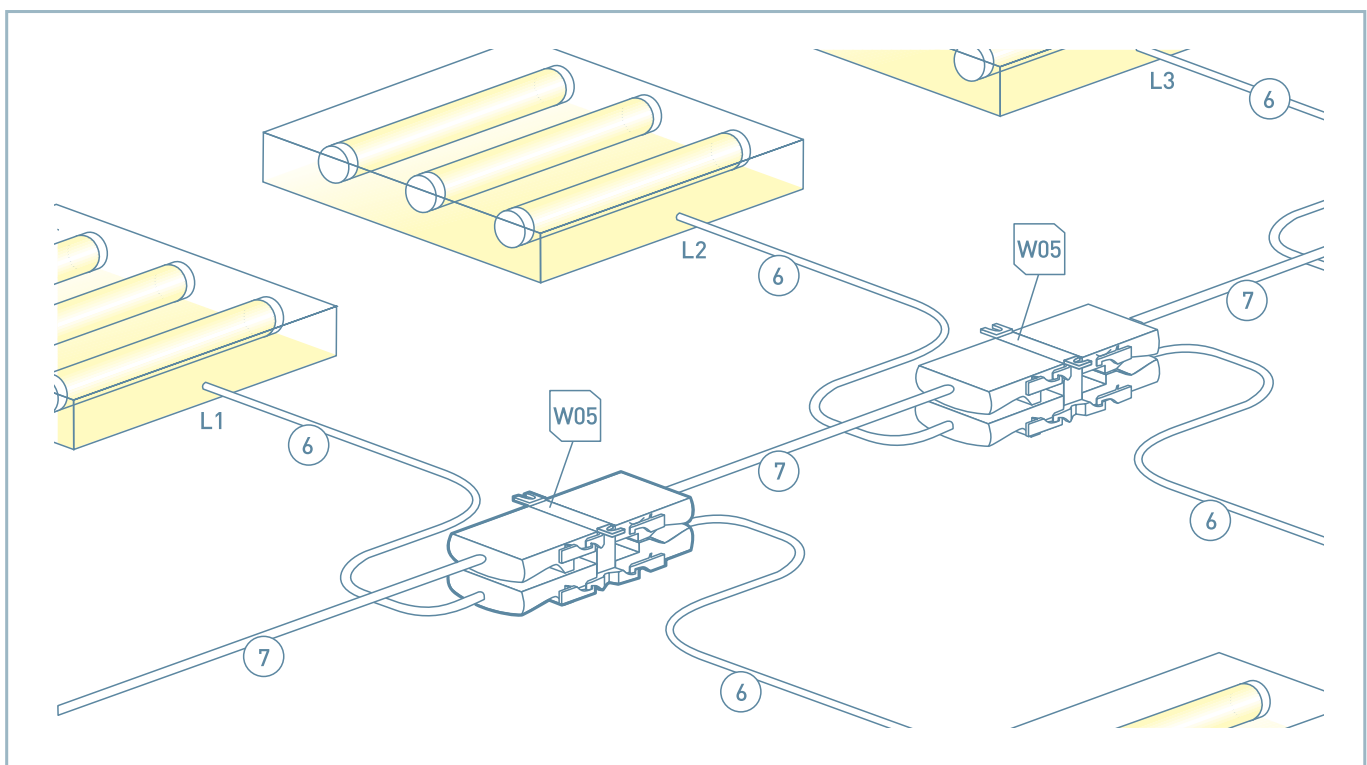
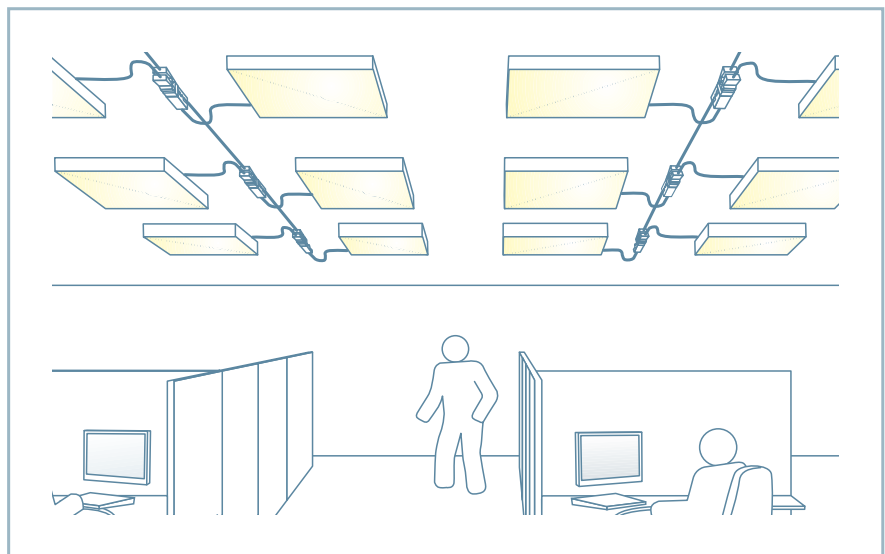
Open-plan Office

Lighting Installation with Distribution Block

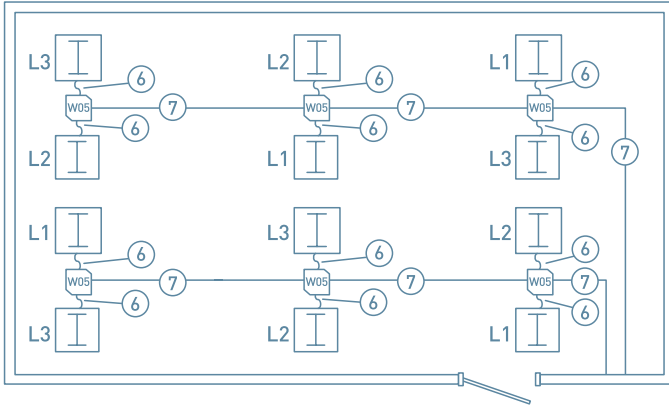
Installation with three phase continuous supply and two one phase supplies to light fitting. Light fittings are connected to one phase L1, L2 or L3.

This solution can also be used in

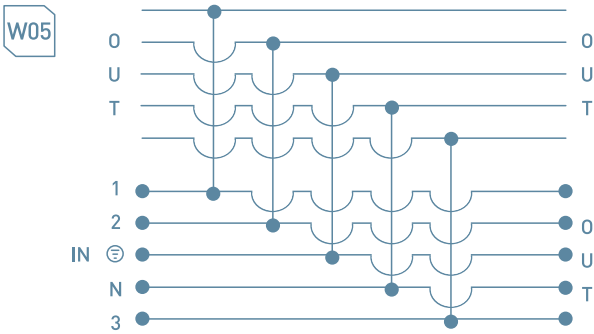
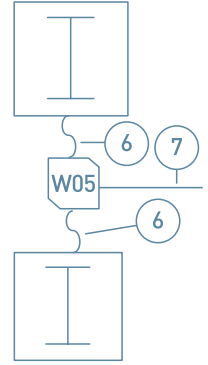
- Meeting room
- Shop
- School
- Hotel
- Hospital
- Workroom
- Corridor



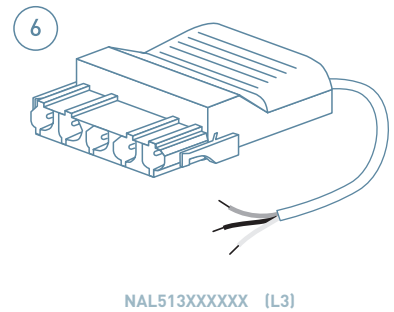
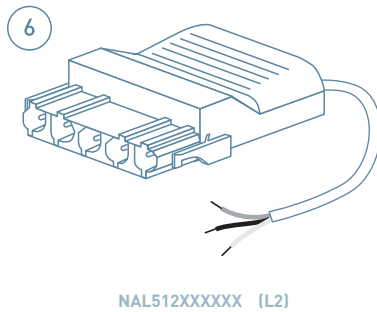
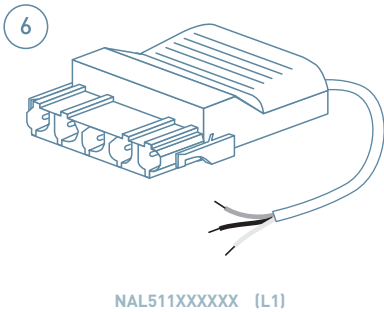
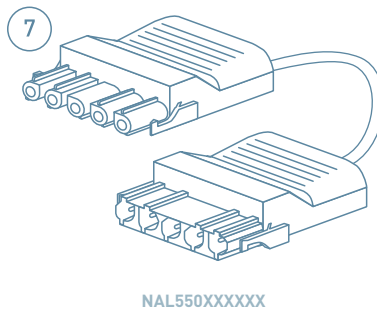
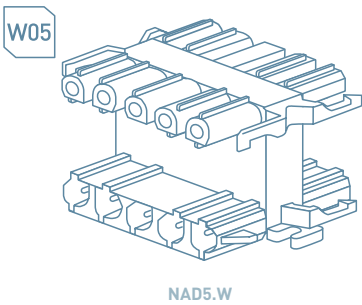
WIRING AND CIRCUIT DIAGRAM



- W05** NAD5.W
- 6** NAL511XXXXXX (L1)
NAL512XXXXXX (L2)
NAL513XXXXXX (L3)
- 7** NAL550XXXXXX



PRODUCTS



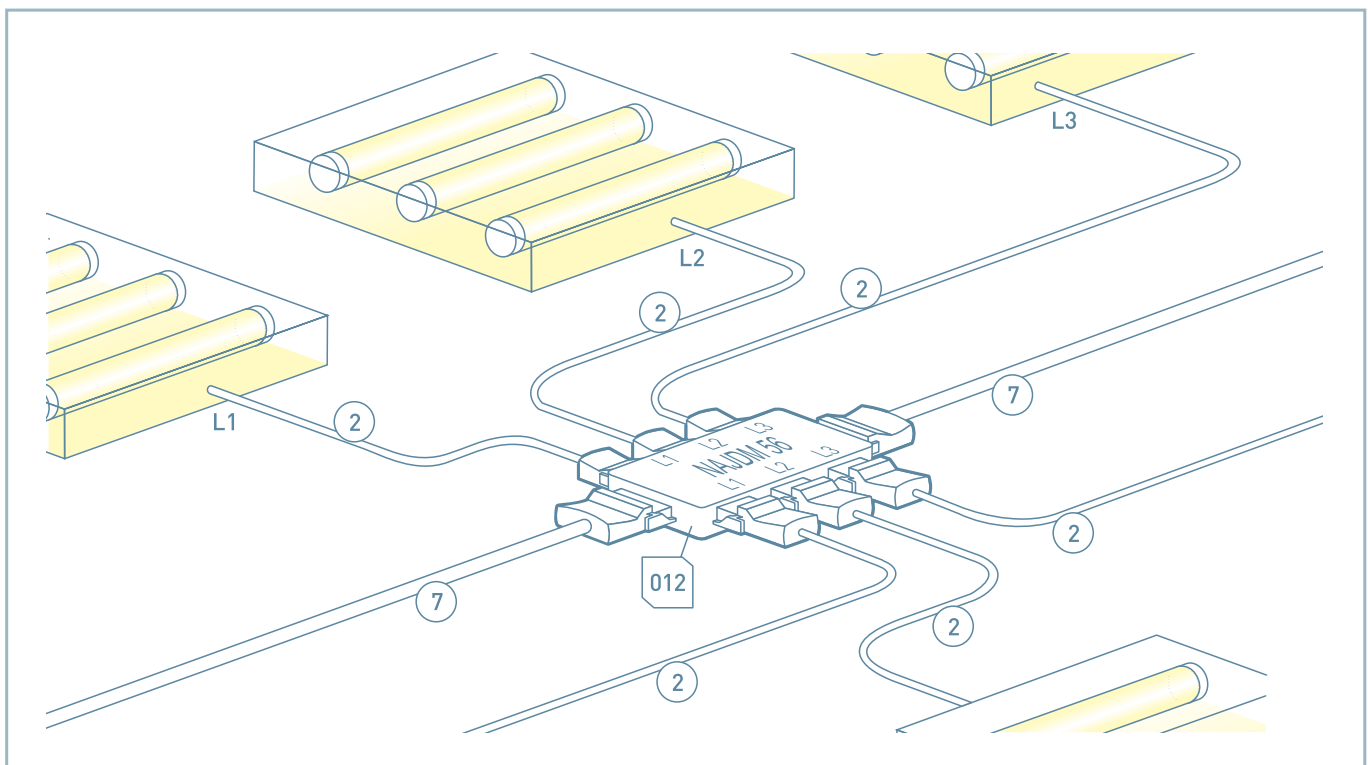
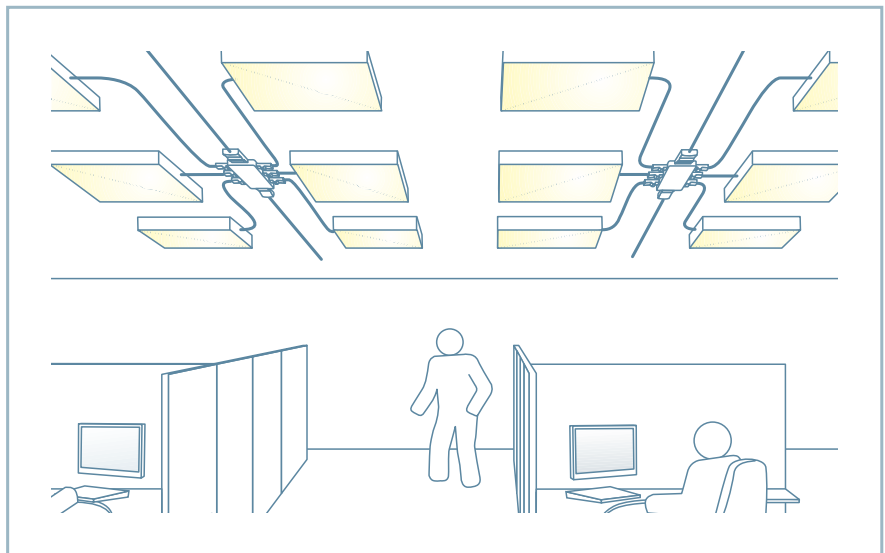
Open-plan Office

Lighting Installation with Distribution Box

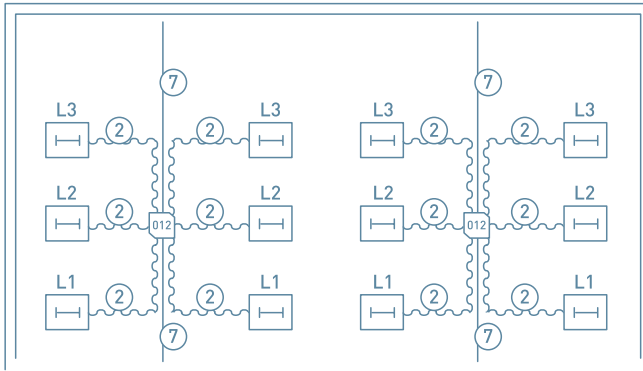
Installation with three phase continuous supply and six one phase outgoing to light fittings.

This solution can also be used in

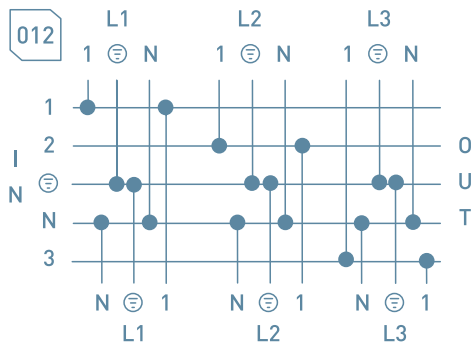
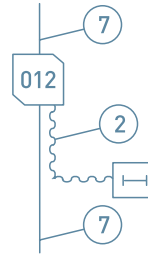
- Meeting room
- Shop
- School
- Hotel
- Hospital
- Workroom
- Corridor



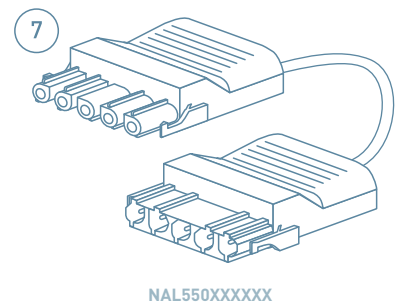
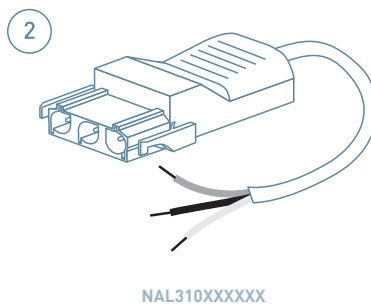
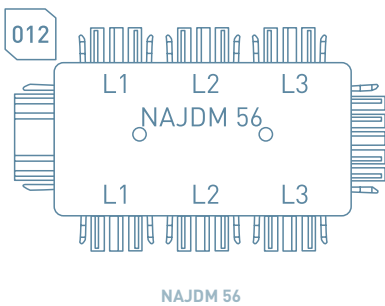
WIRING AND CIRCUIT DIAGRAM



- 012 NAJDM 56
- 2 NAL310XXXXXX
- 7 NAL550XXXXXX



PRODUCTS



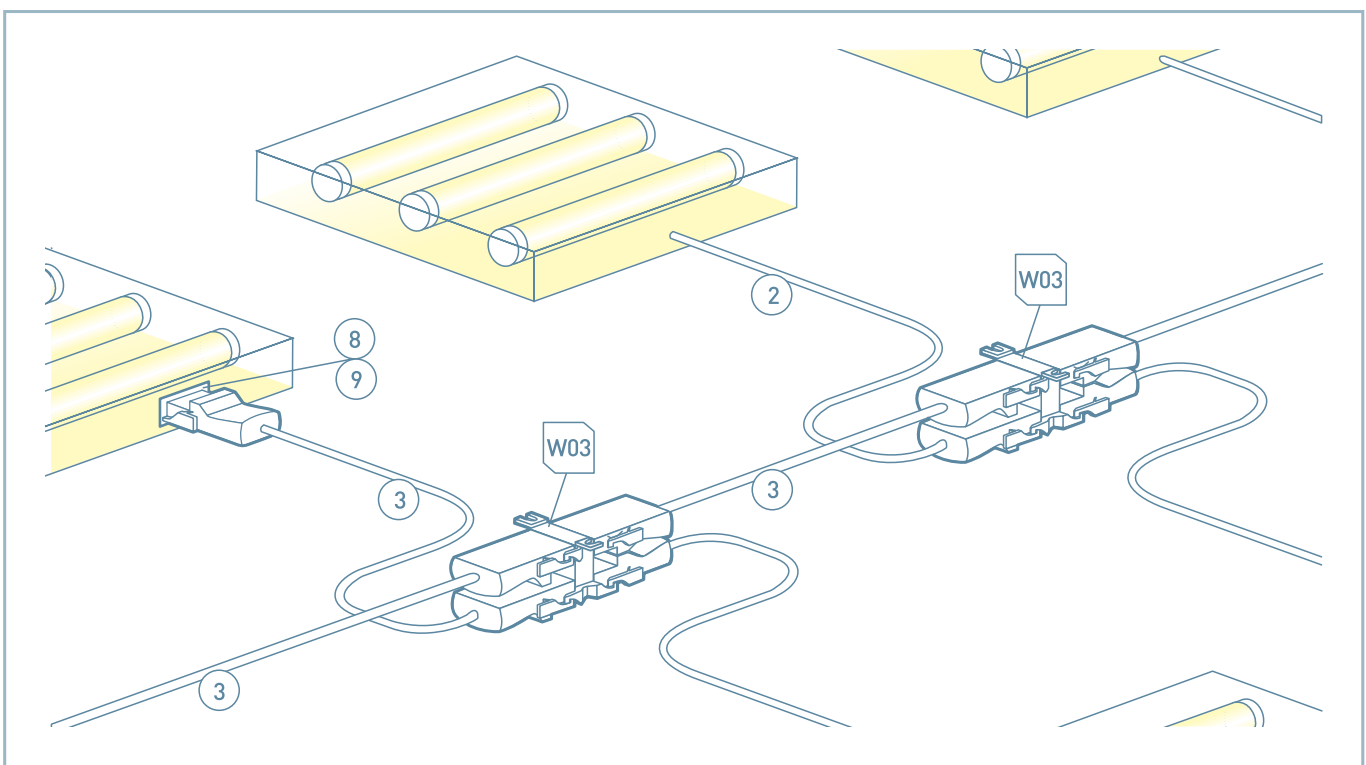
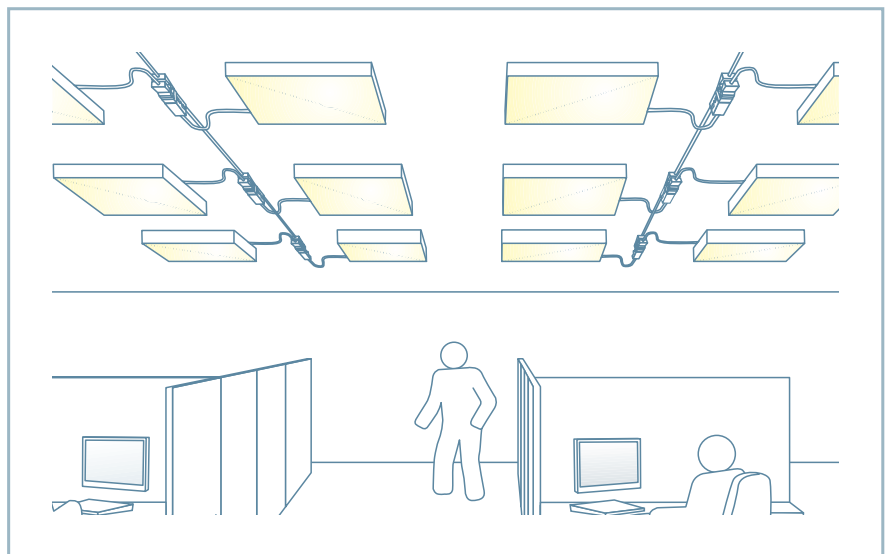
Open-plan Office

Lighting Installation with Distribution Block

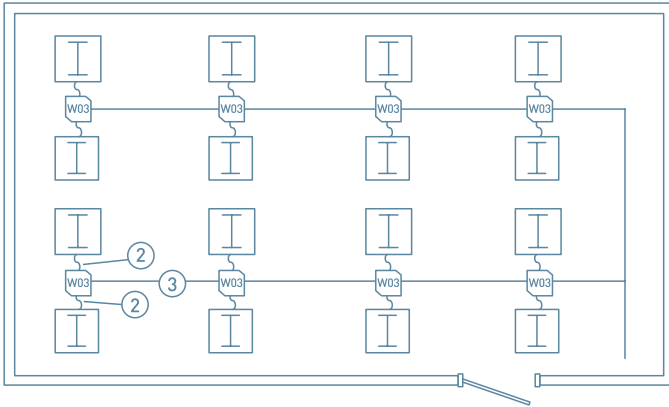
Installation with one phase continuous supply and two outgoing to light fittings.

This solution can also be used in

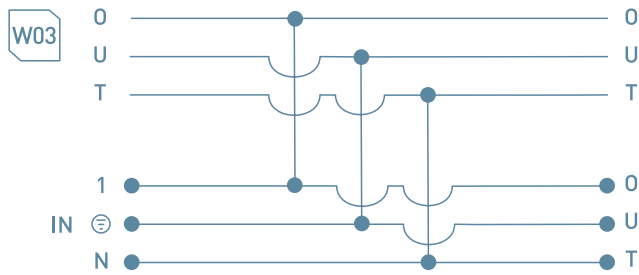
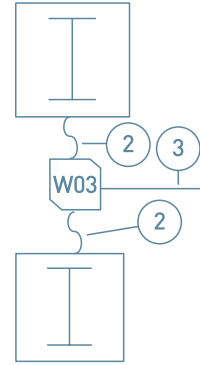
- Meeting room
- Shop
- School
- Hotel
- Hospital
- Workroom
- Corridor



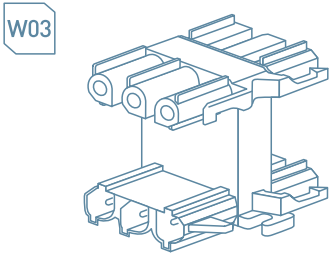
WIRING AND CIRCUIT DIAGRAM



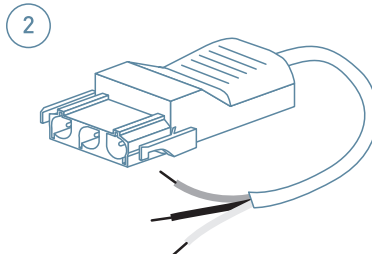
- W03 NAD3.W
- 2 NAL310XXXXXX
- 3 NAL330XXXXXX



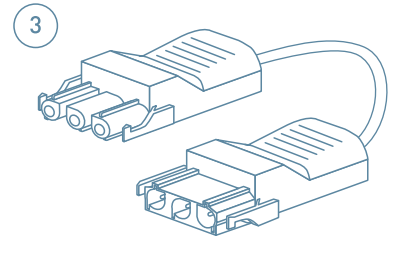
PRODUCTS



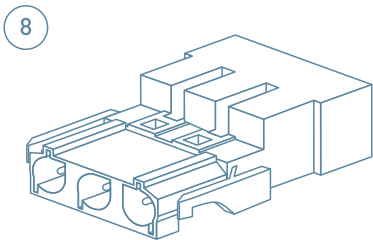
NAD3.W



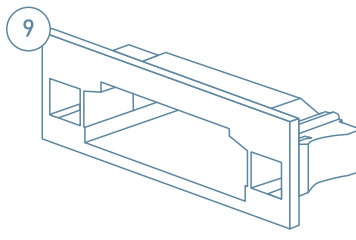
NAL310XXXXXX



NAL330XXXXXX



NAS31.W



NK3P.W

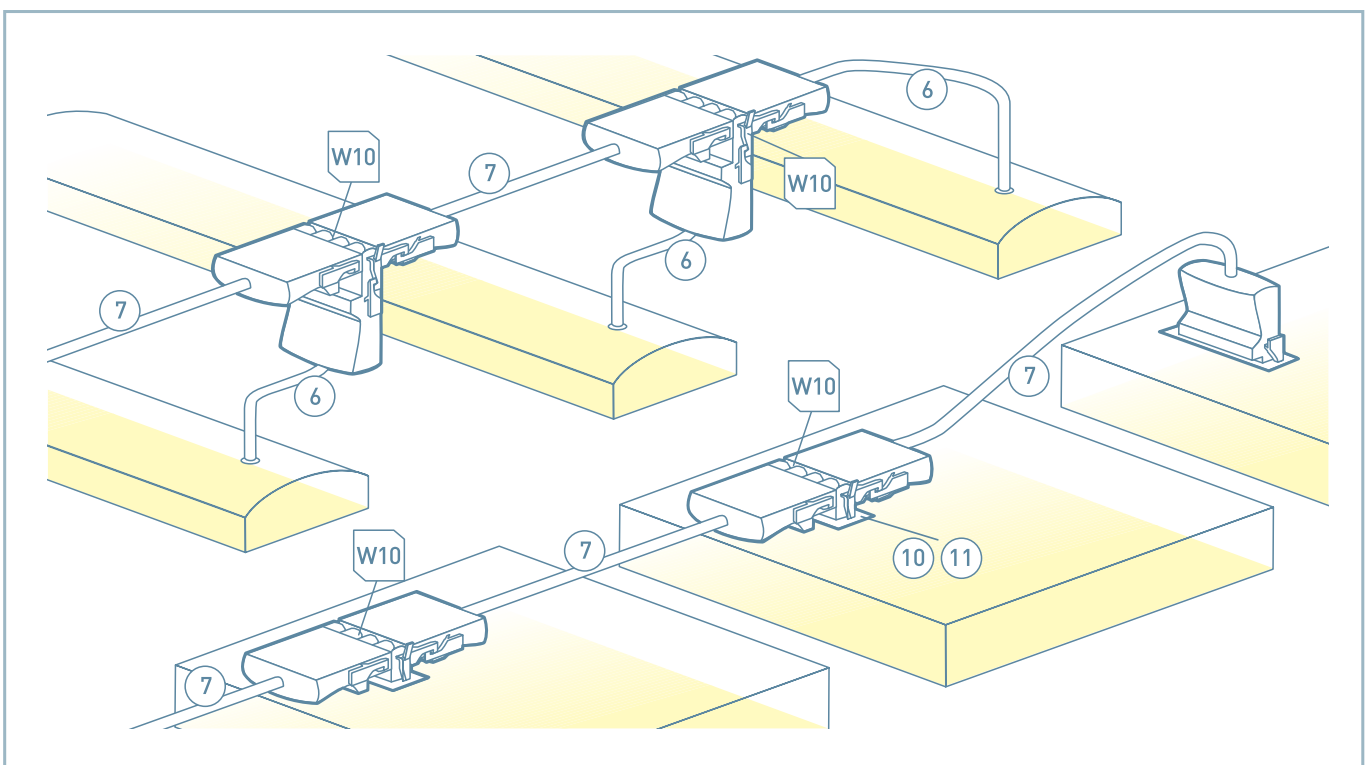
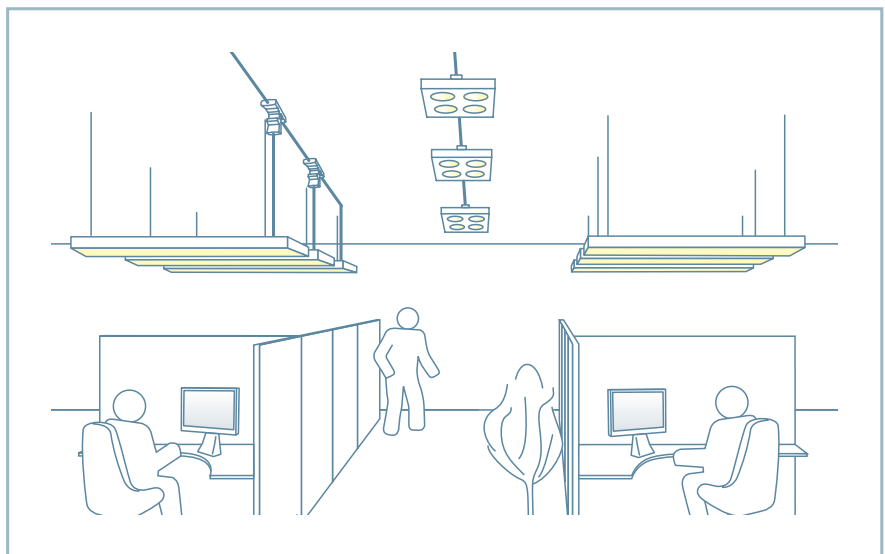
Open-plan Office

Lighting Solution with T-distribution Block and Three Phase Supply

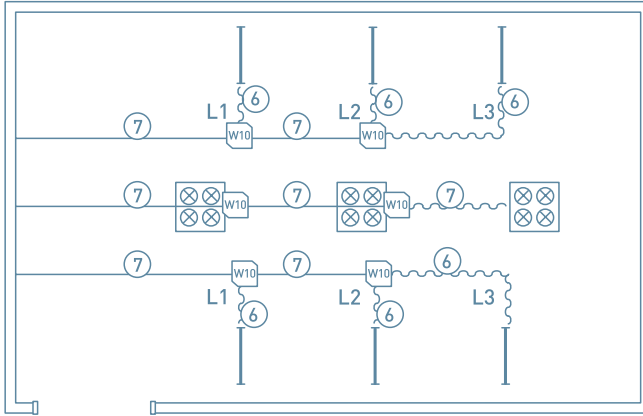
Installation with three phase continuous supply and single branching of one phase supply to light fitting.

This solution can also be used in

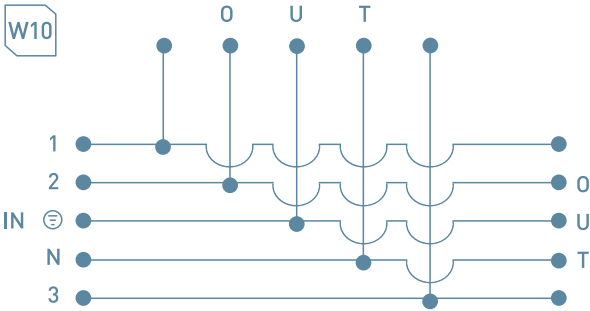
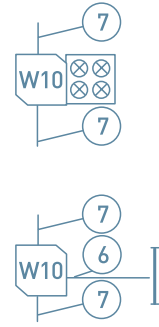
- Meeting room
- Shop
- School
- Hotel
- Hospital
- Workroom
- Corridor



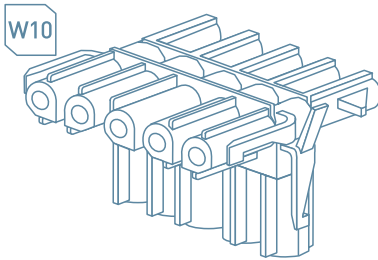
WIRING AND CIRCUIT DIAGRAM



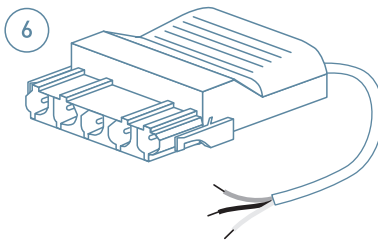
- W10** NAD5T.W
- 7** NAL550XXXXXX
- 6** NAL511XXXXXX (L1)
NAL512XXXXXX (L2)
NAL513XXXXXX (L3)



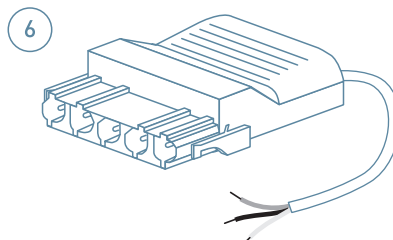
PRODUCTS



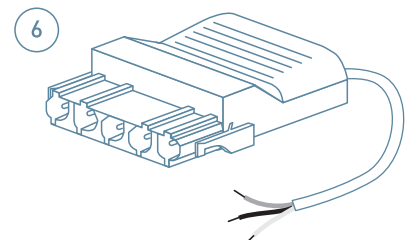
NAD5T.W



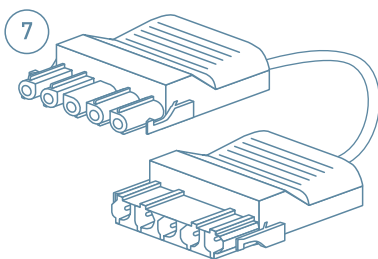
NAL511XXXXXX (L1)



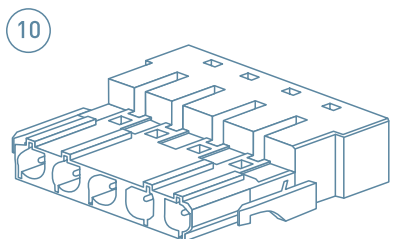
NAL512XXXXXX (L2)



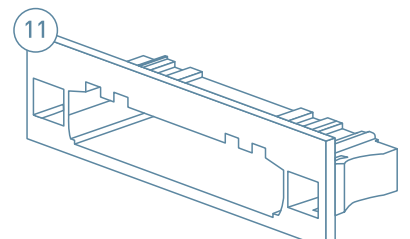
NAL513XXXXXX (L3)



NAL550XXXXXX



NAS51.W



NK5P.W

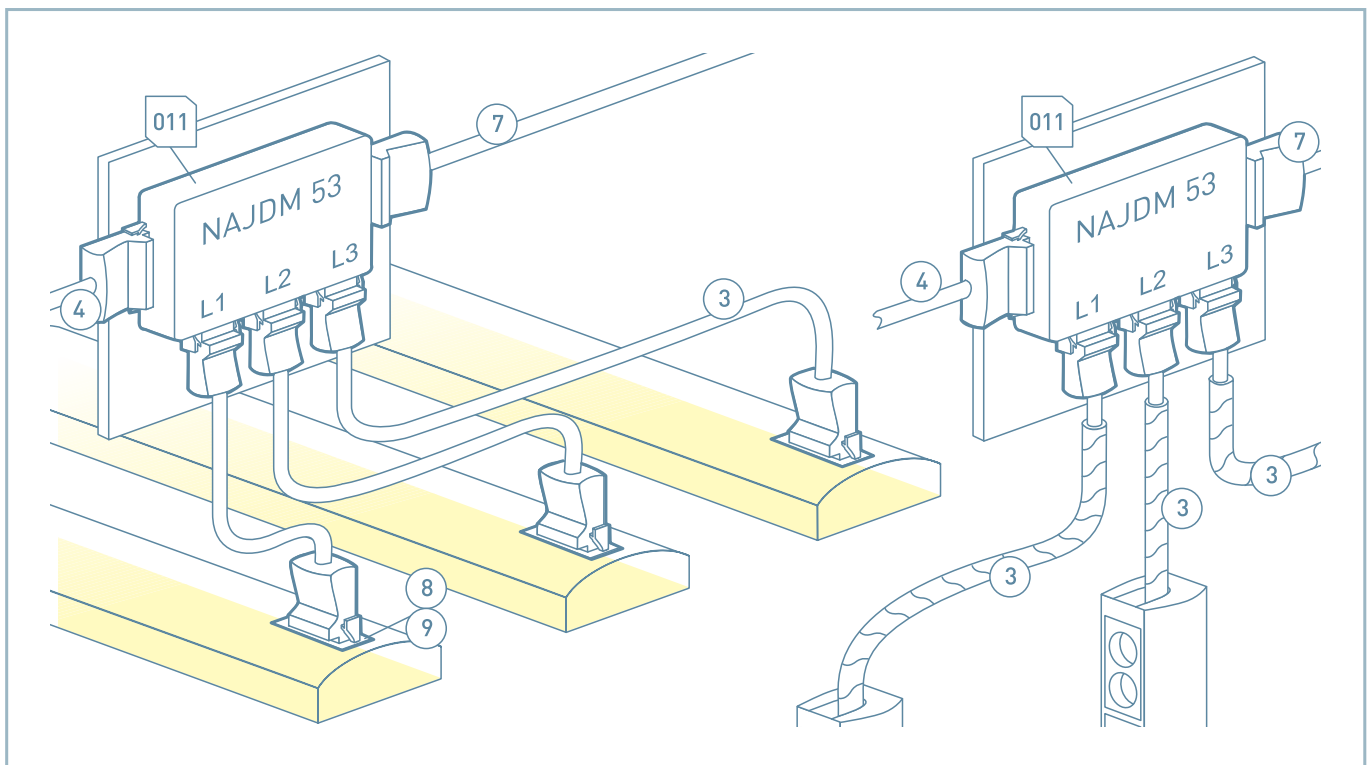
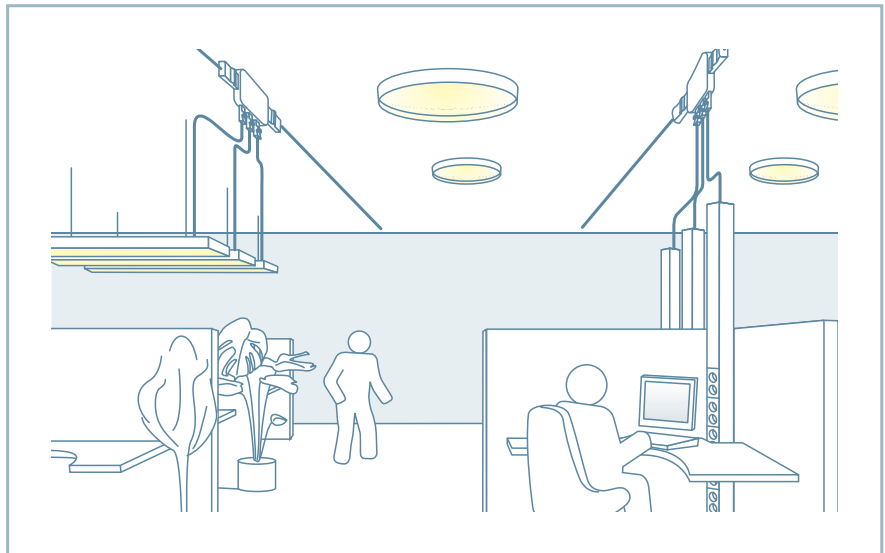
Open-plan Office

Lighting and Socket Outlet Installation with Distribution Box

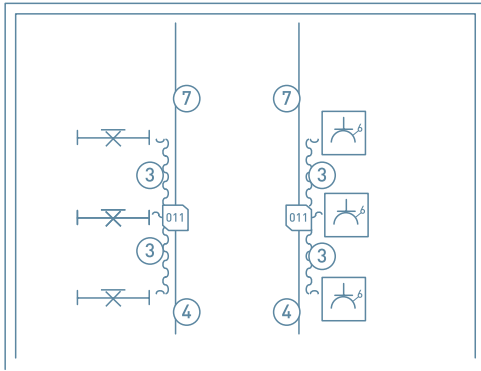
Installation with three phase continuous supply and three one phase branching to light fittings or sockets.

This solution can also be used in

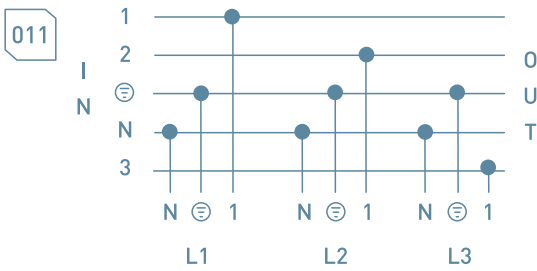
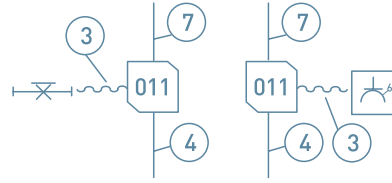
- Meeting room
- Shop
- School
- Hotel
- Hospital
- Workroom
- Corridor



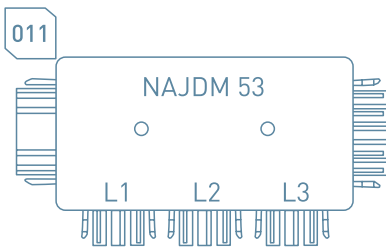
WIRING AND CIRCUIT DIAGRAM



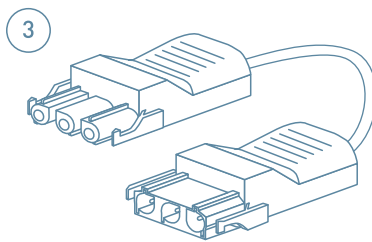
- 011 NAJDM 53
- 3 NAL330XXXXXX
- 4 NAL150XXXXXX
- 7 NAL550XXXXXX
- SOCKET OUTLET



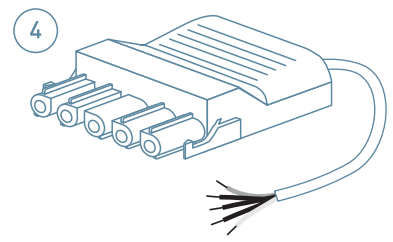
PRODUCTS



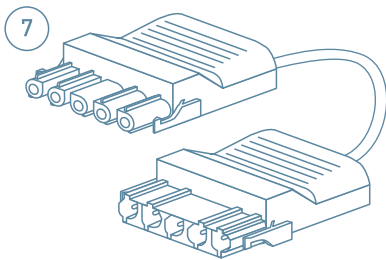
NAJDM 53



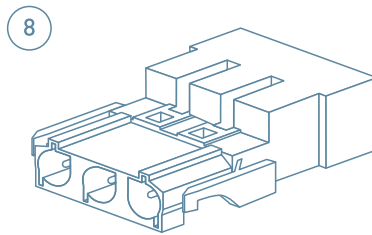
NAL330XXXXXX



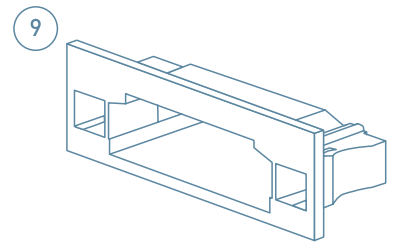
NAL150XXXXXX



NAL550XXXXXX



NAS31.W



NK3P.W

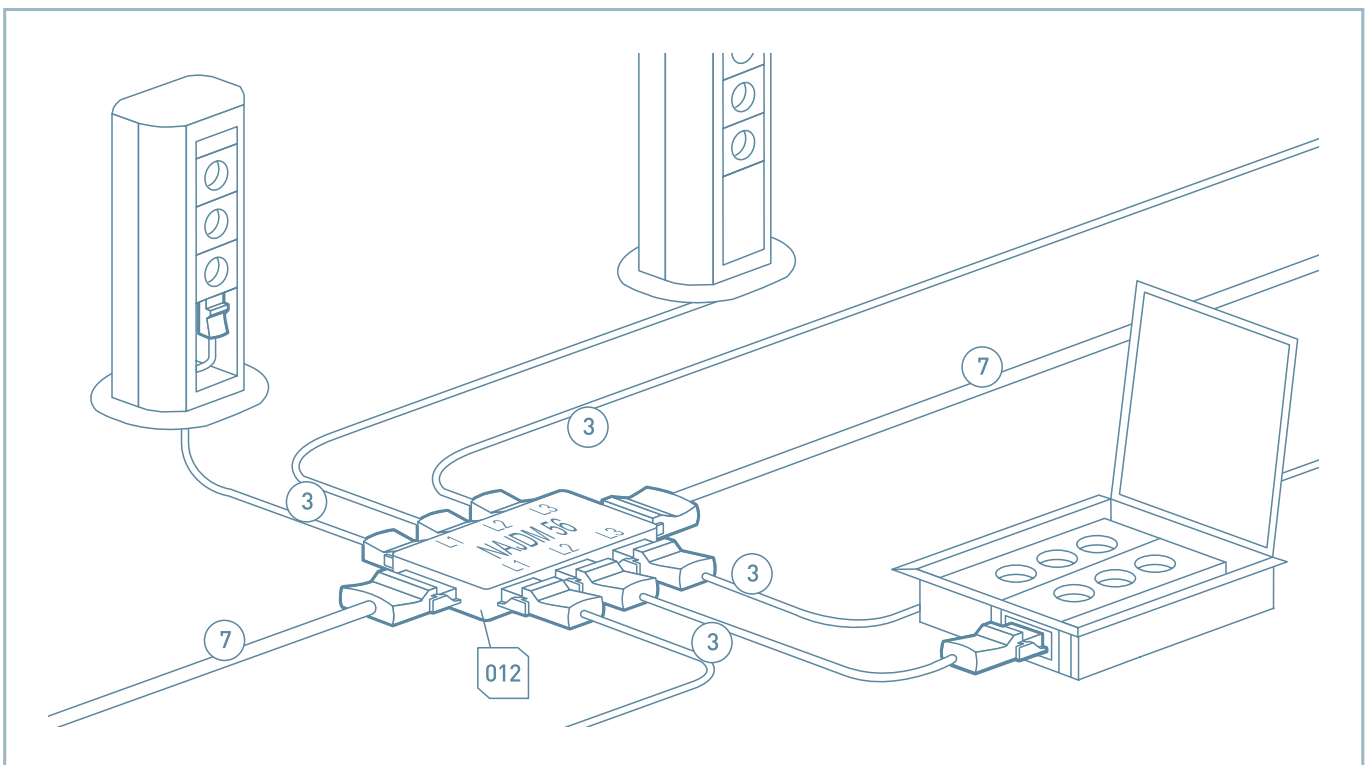
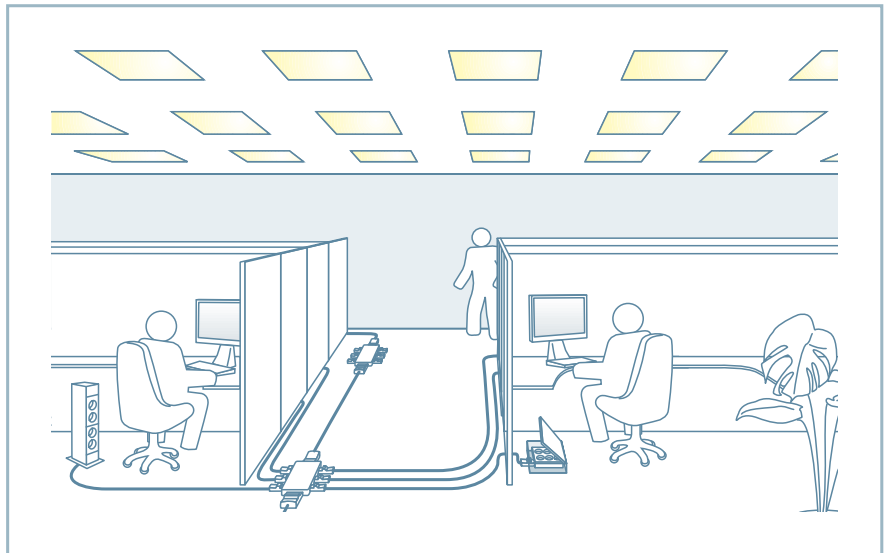
Open-plan Office

Socket Outlet Installation with Distribution Box

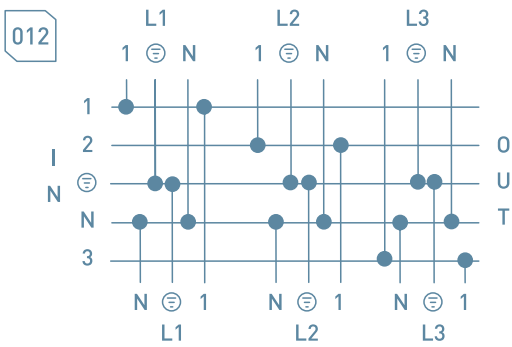
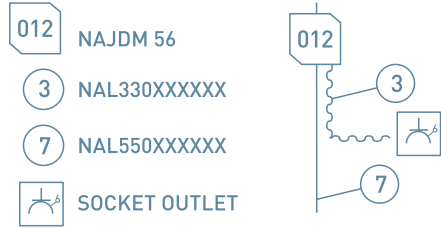
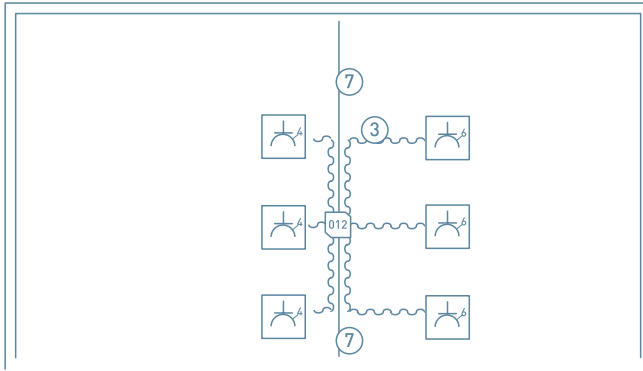
Installation with three phase continuous supply and six one phase branchings to sockets or light fittings.

This solution can also be used in

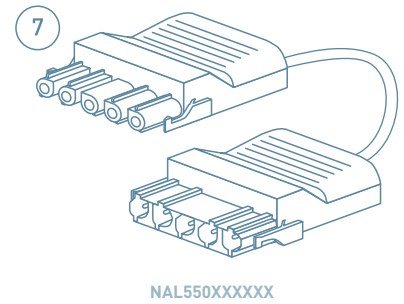
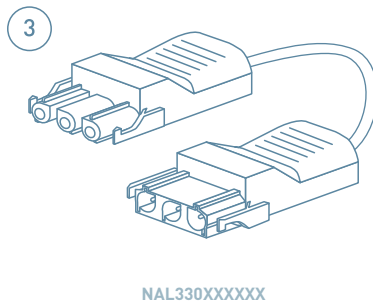
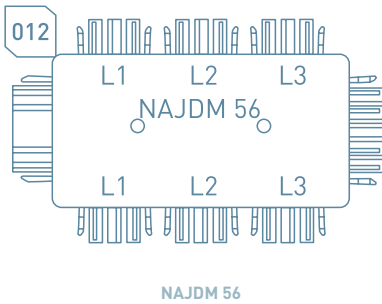
- Meeting room
- Shop
- School
- Hotel
- Hospital
- Workroom
- Corridor



WIRING AND CIRCUIT DIAGRAM



PRODUCTS



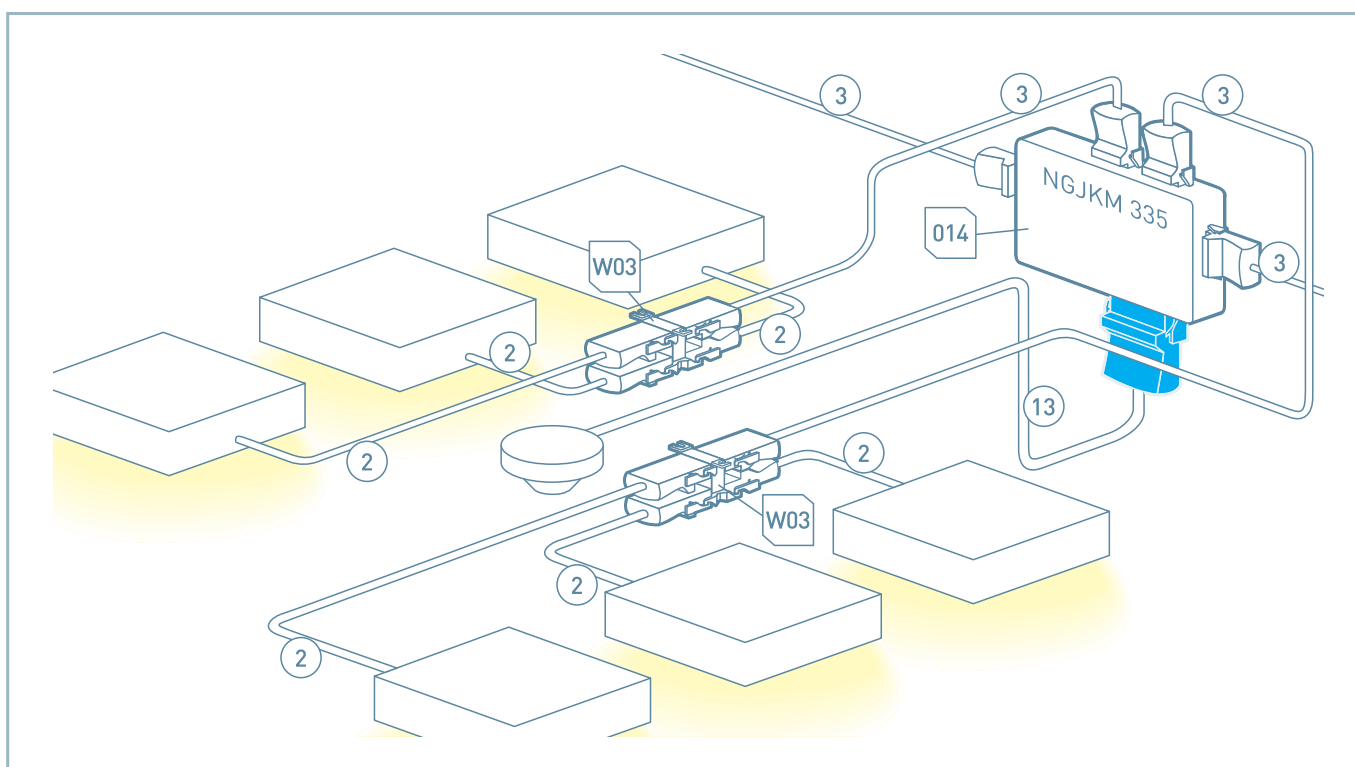
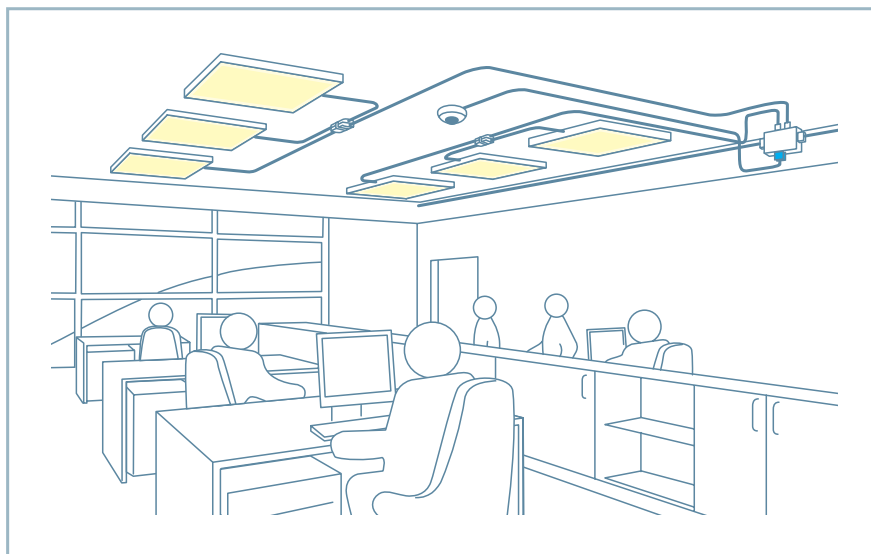
Open-plan Office

Energy-saving Solution for Lighting with Switch Box and Presence Detector

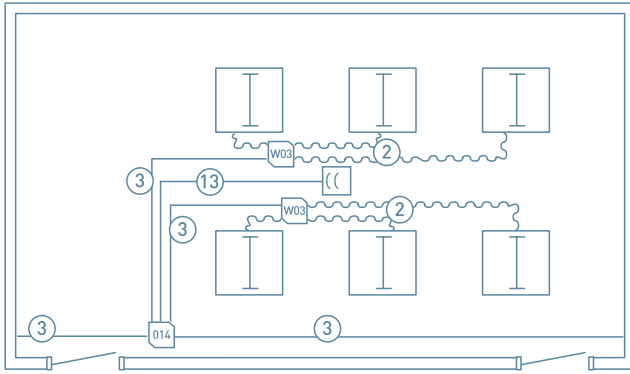
Installation with one phase continuous supply and two one phase outgoings to light fittings. Light fitting chain is presence detection controlled.

This solution can also be used in

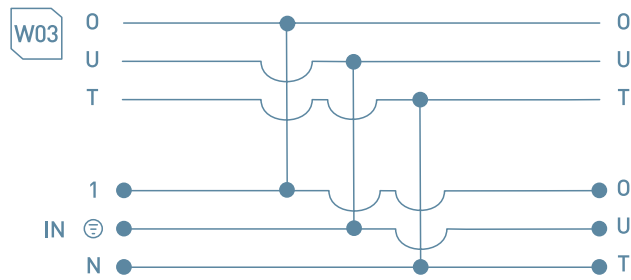
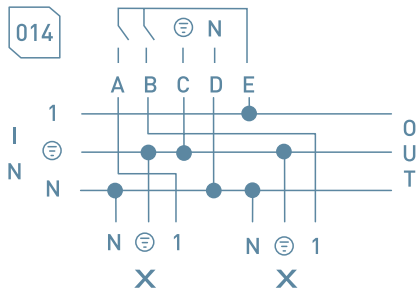
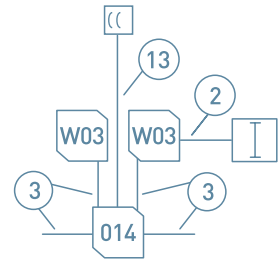
- Meeting room
- Shop
- School
- Hotel
- Hospital
- Workroom
- Corridor



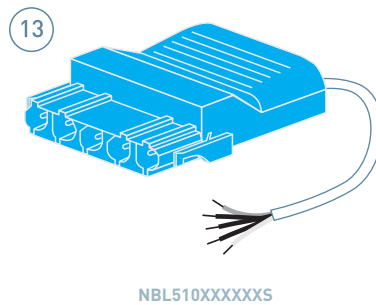
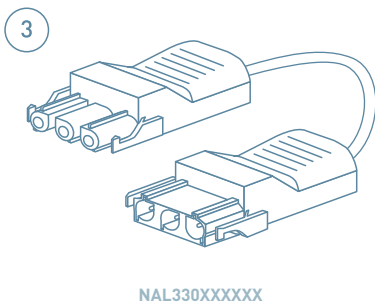
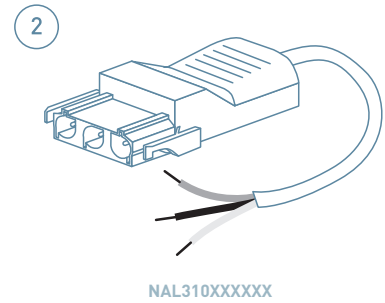
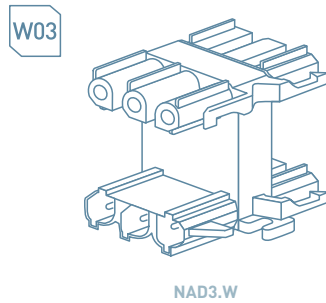
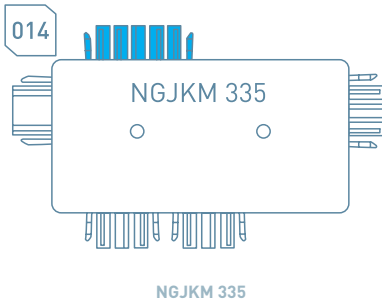
WIRING AND CIRCUIT DIAGRAM



- 014 NGJKM 335
- W03 NAD3.W
- 2 NAL310XXXXXX
- 3 NAL330XXXXXX
- 13 NBL510XXXXXS
- ((PIR



PRODUCTS



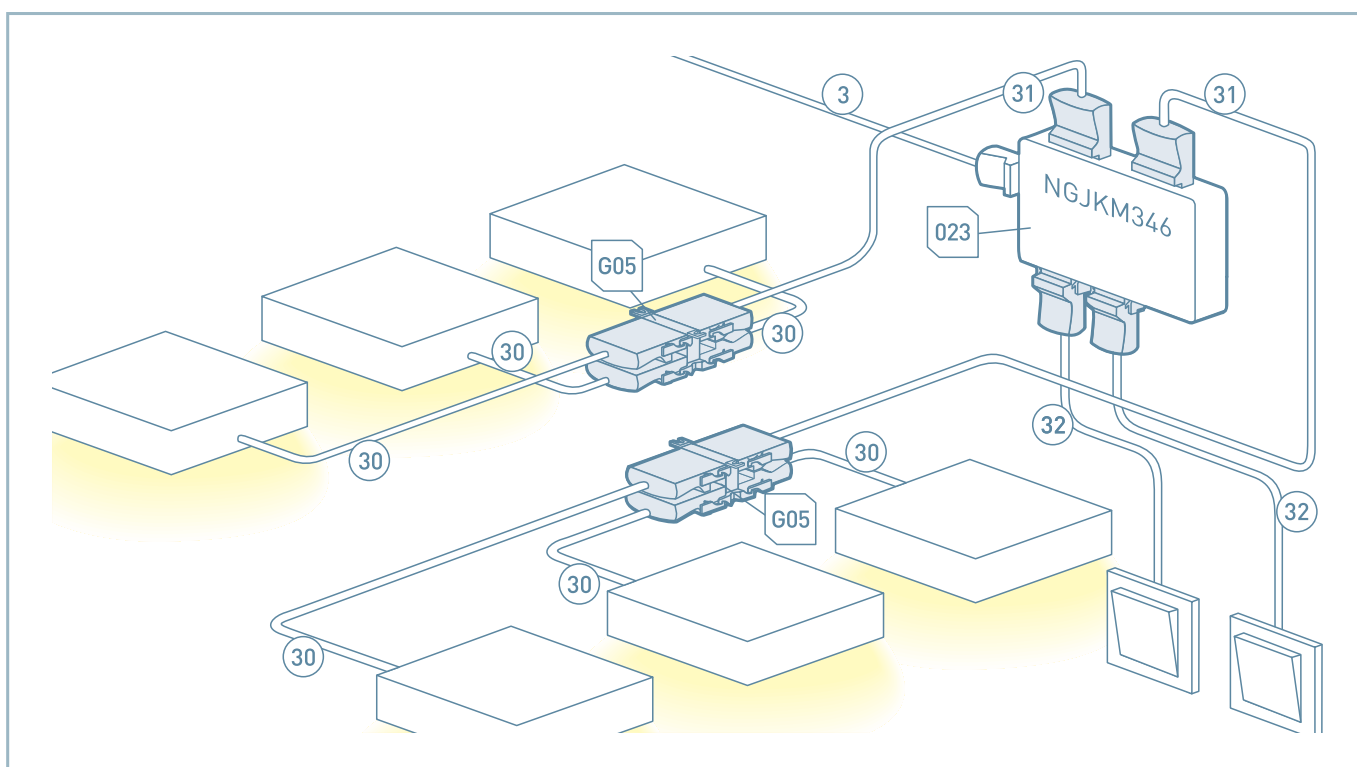
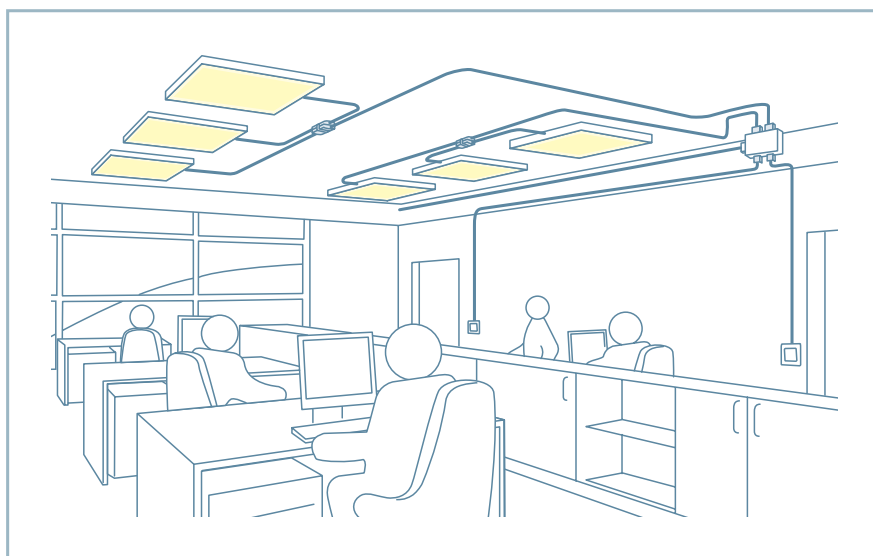
Open-plan Office

Lighting Installation with Control Box by DALI

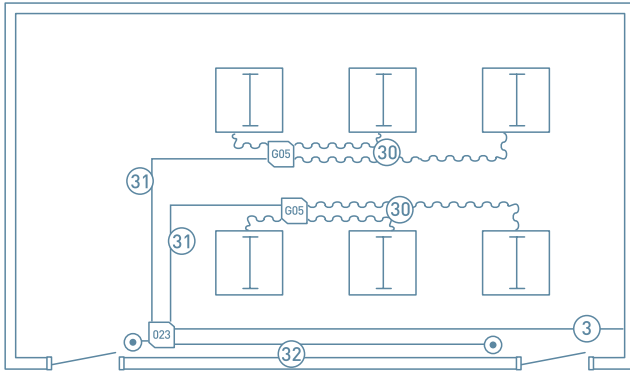
Installation with one phase power supply where supplies for light fittings are dimmer controlled via two parallel connected push buttons by DALI. Power supplies and DALI are branched with five pole cable sets to light fittings.

This solution can also be used in

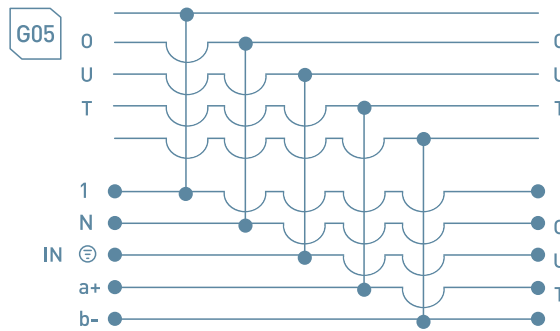
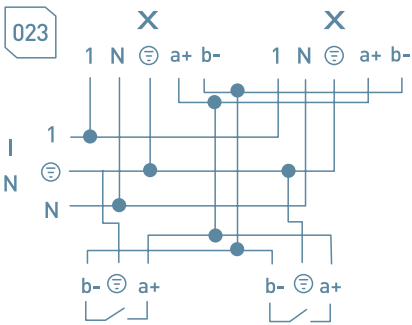
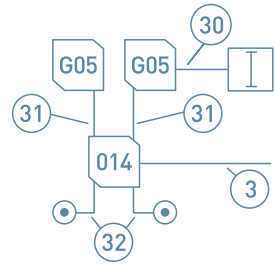
- Meeting room
- Shop
- School
- Hotel
- Hospital
- Workroom
- Corridor



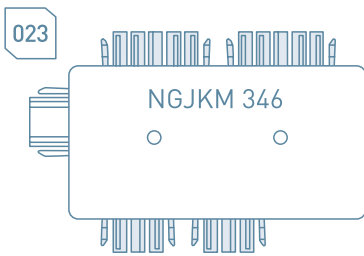
WIRING AND CIRCUIT DIAGRAM



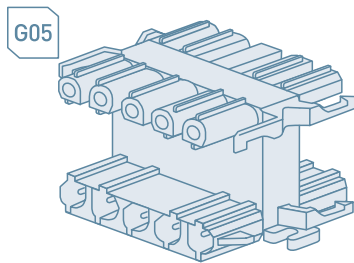
- 023 NGJKM 346
- G05 NCD5.G
- 3 NAL330XXXXXX
- 30 NCL510XXXXXXG
- 31 NCL550XXXXXXG
- 32 NCL310XXXXXXG
- PUSHBUTTON



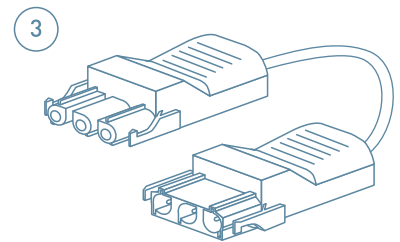
PRODUCTS



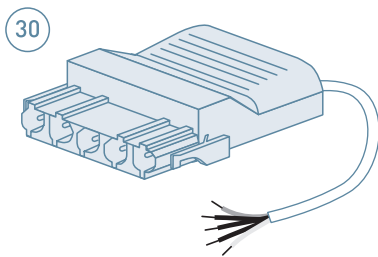
NGJKM 346



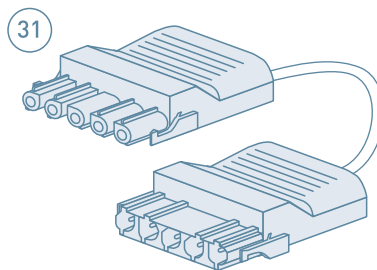
NCD5.G



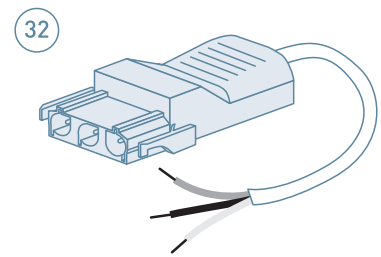
NAL330XXXXXX



NCL510XXXXXXG



NCL550XXXXXXG



NCL310XXXXXXG

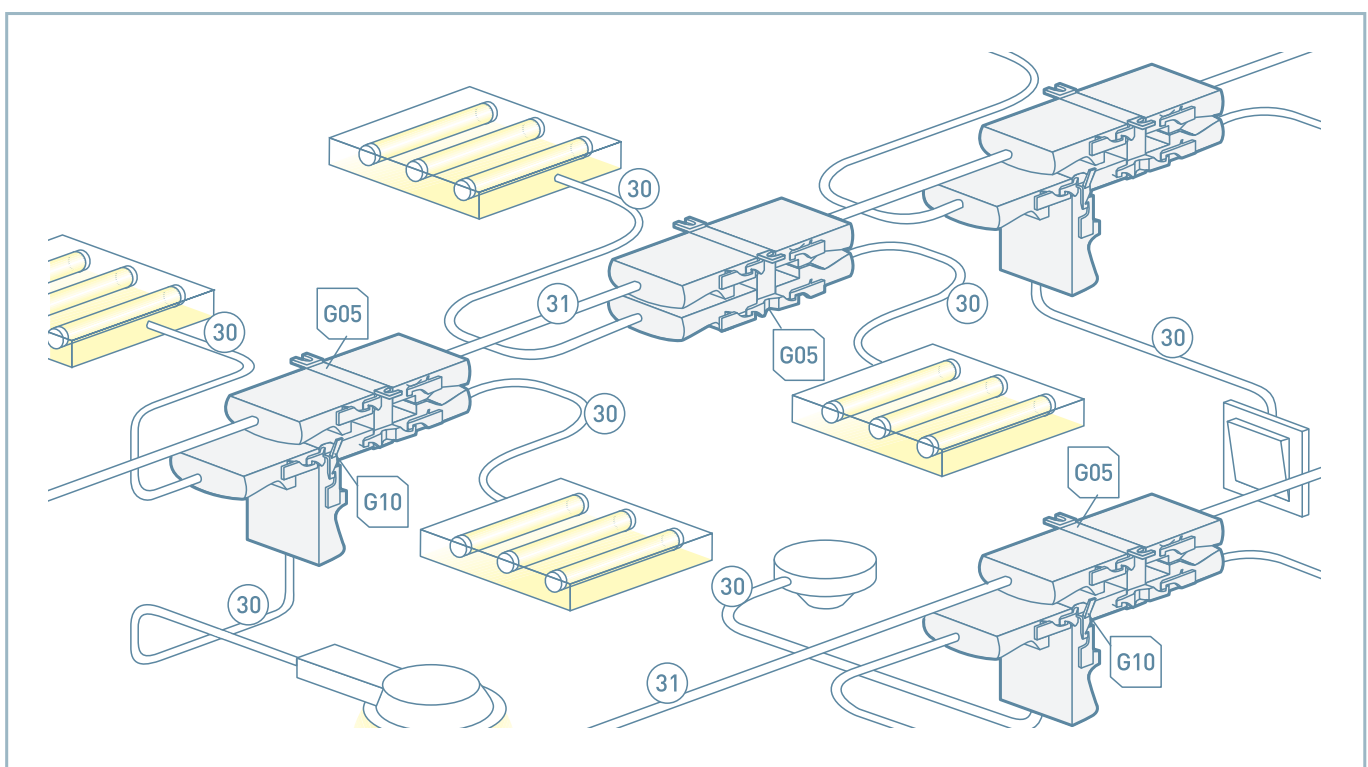
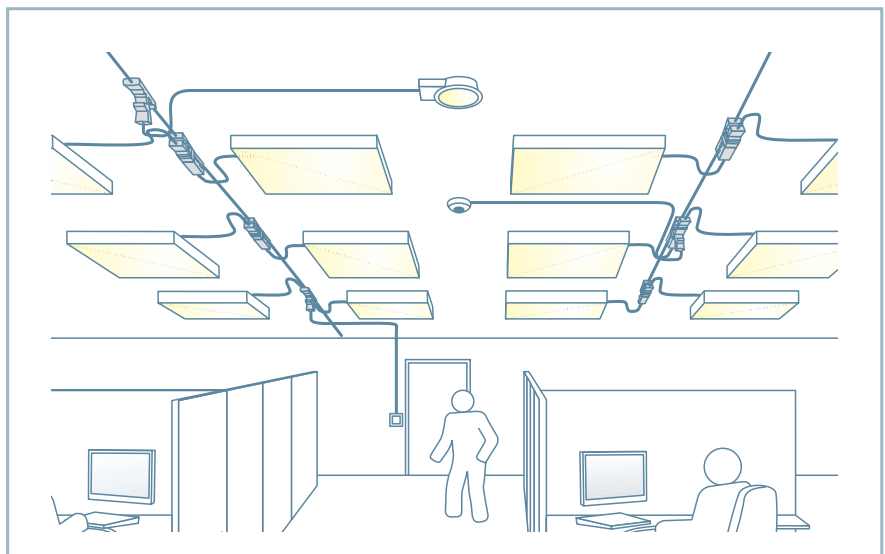
Open-plan Office

Lighting Installation with Distribution Blocks and T-blocks by DALI

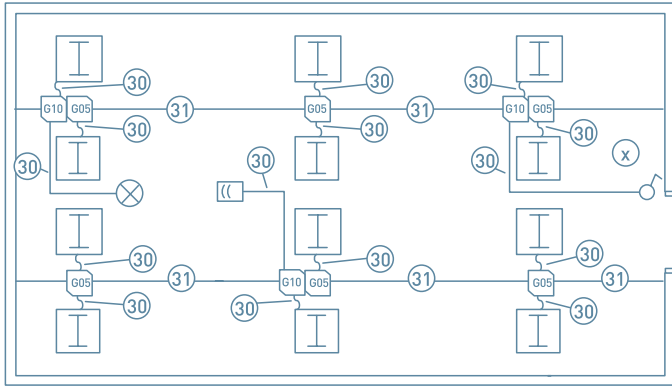
Installation with one phase power supply and DALI system for light fittings. The light fittings are controlled by a switch and a presence detector. Power supplies and DALI are branched with five pole cable sets to light fittings.

This solution can also be used in

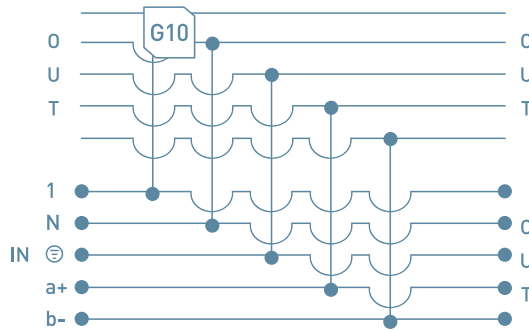
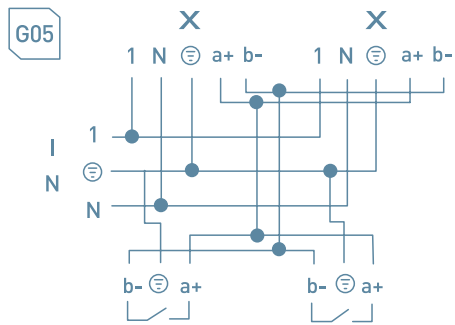
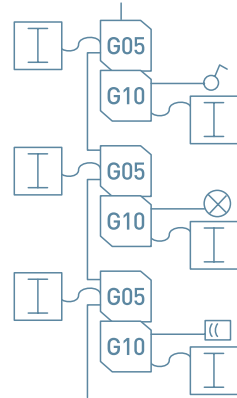
- Meeting room
- Shop
- School
- Hotel
- Hospital
- Workroom
- Corridor



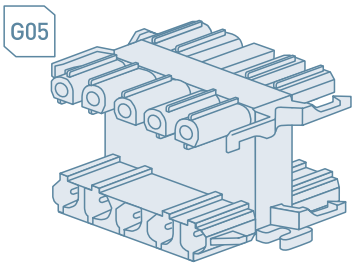
WIRING AND CIRCUIT DIAGRAM



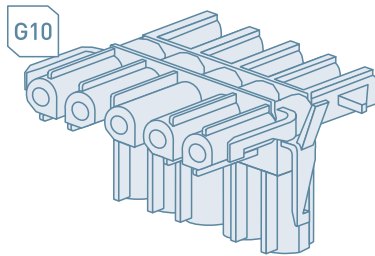
- G05** NCD5.G
- G10** NCD5T.G
- 30** NCL510XXXXXXG
- 31** NCL550XXXXXXG
- SWITCH
- DOWNLIGHT
- SENSOR



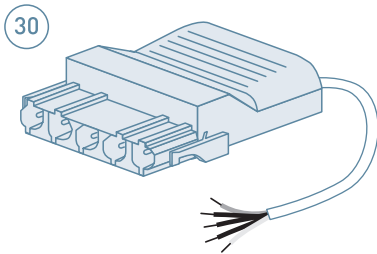
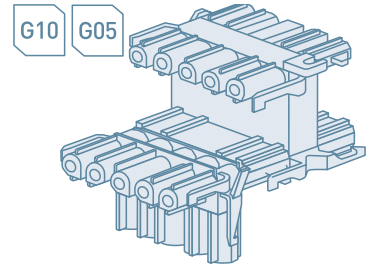
PRODUCTS



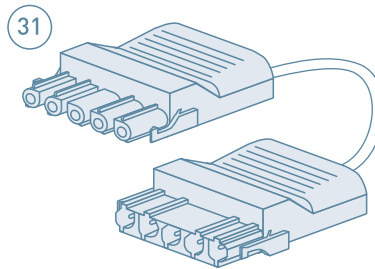
NCD5.G



NCD5T.G



NCL510XXXXXXG



NCL550XXXXXXG

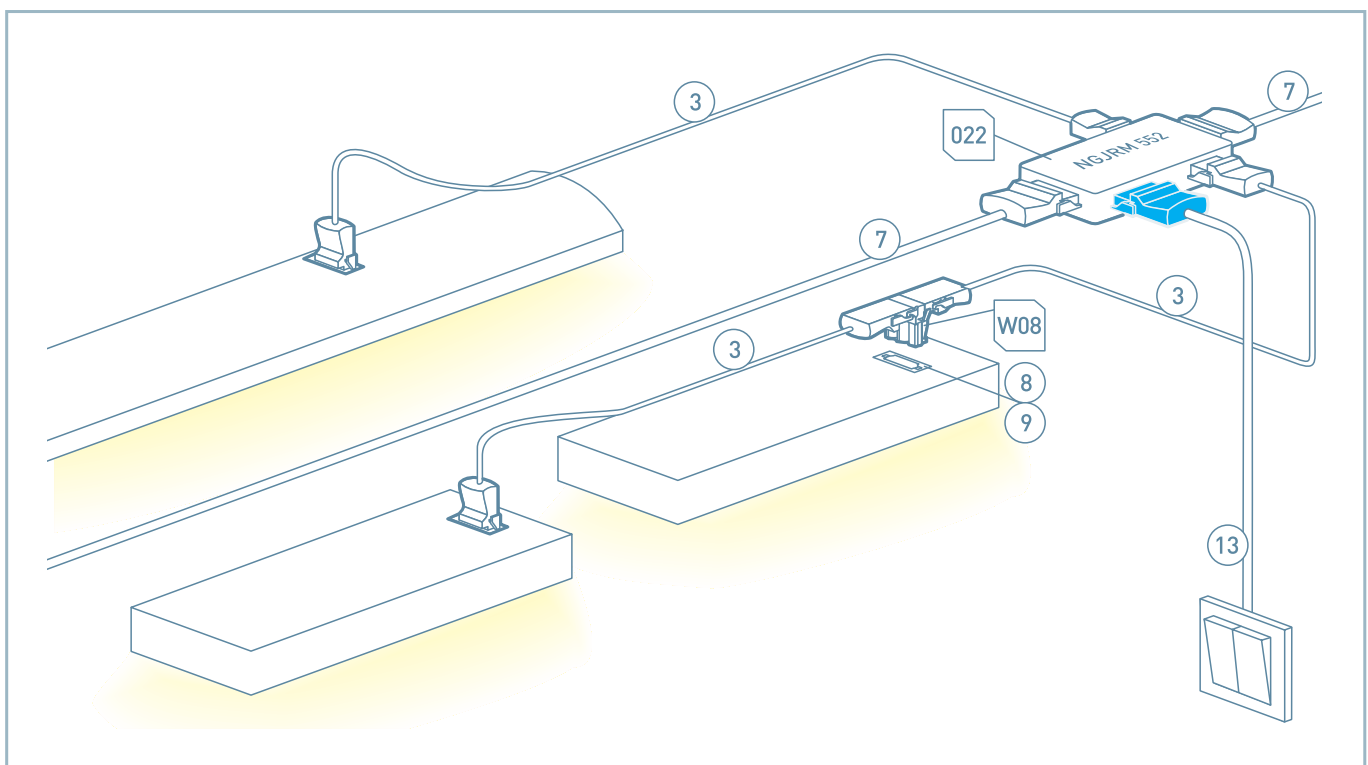
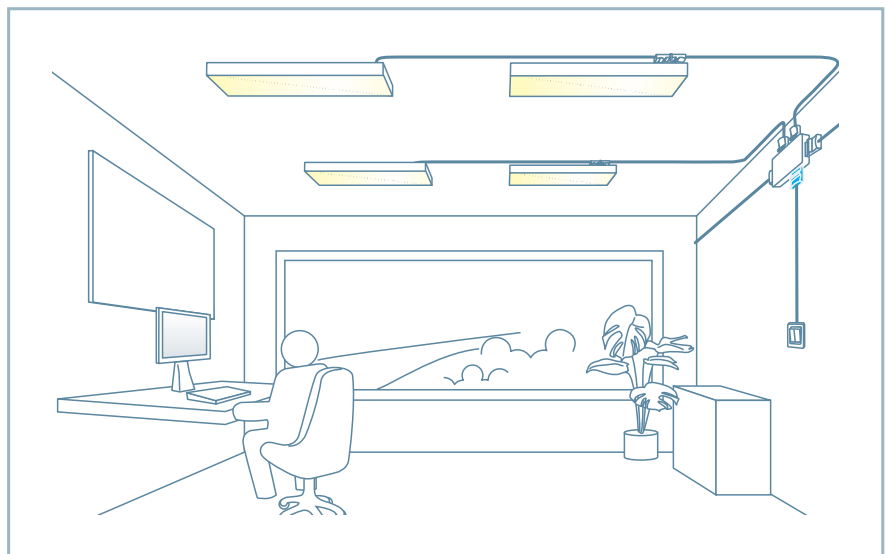
Workroom

Energy-saving Solution for Lighting with Switch Box and Twilight Switch

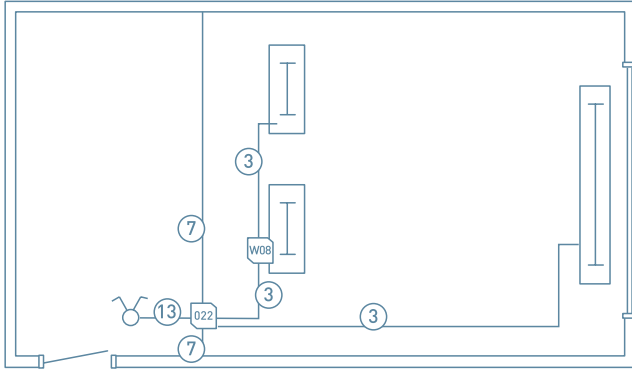
In this energy-saving solution the daylight is used for adjusting the lighting where light fittings near windows are being controlled centralized. The lights close to windows can also be switched off using switches. A double switch controls two light fittings. Installation with three phase continuous supply.

This solution can also be used in

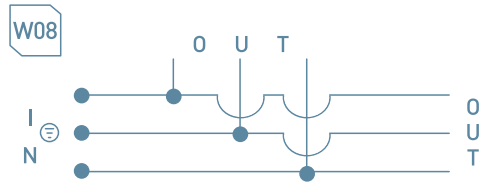
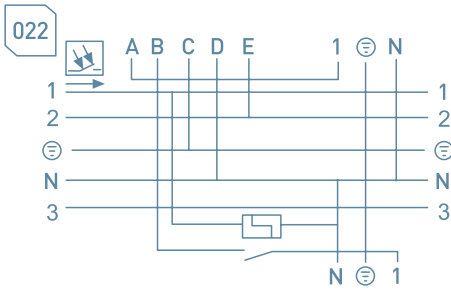
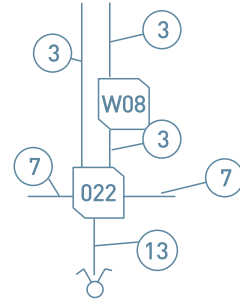
- Meeting room
- Shop
- School
- Workroom



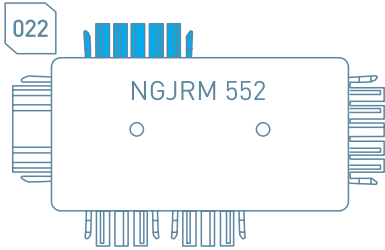
WIRING AND CIRCUIT DIAGRAM



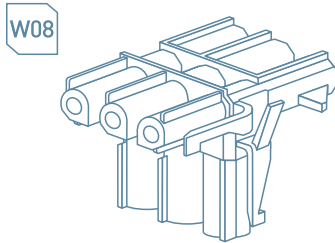
- 022** NGJRM 552
- W08** NAD3T.W
- 3** NAL330XXXXXX
- 7** NAL550XXXXXX
- 13** NBL510XXXXXS
- SWITCH, 2-POLE



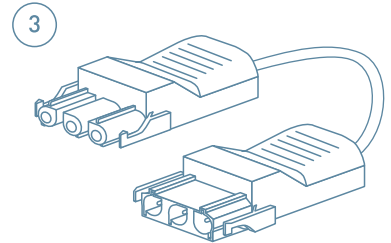
PRODUCTS



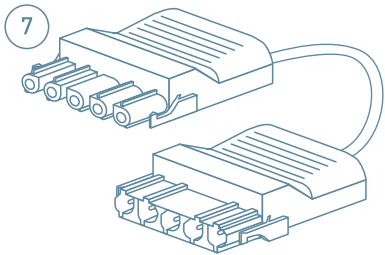
NGJRM 552



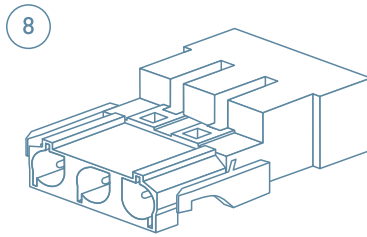
NAD3T.W



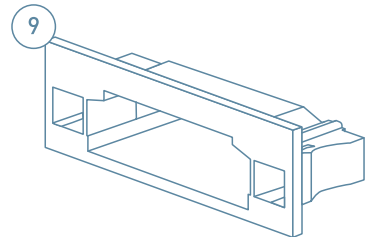
NAL330XXXXXX



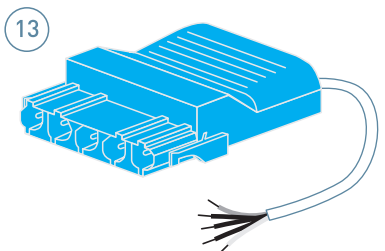
NAL550XXXXXX



NAS31.W



NK3P.W



NBL510XXXXXS

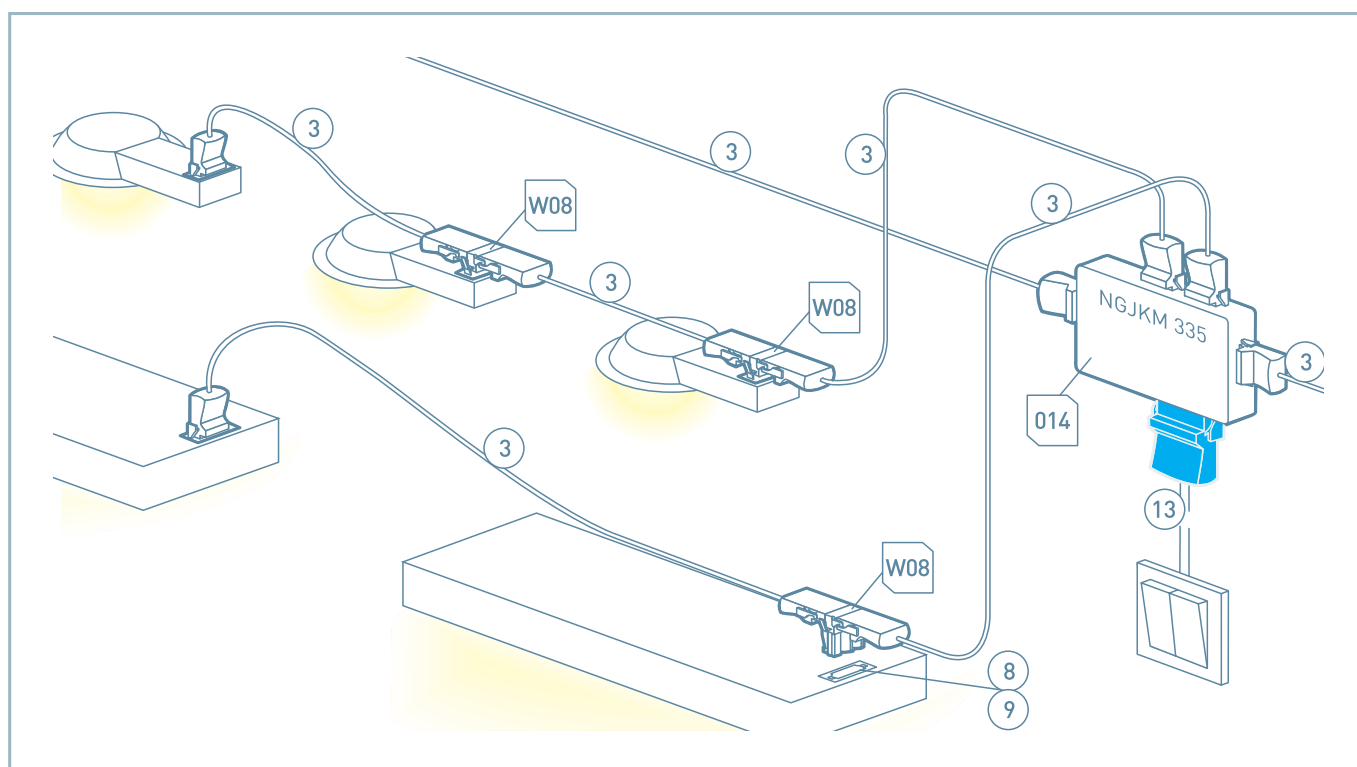
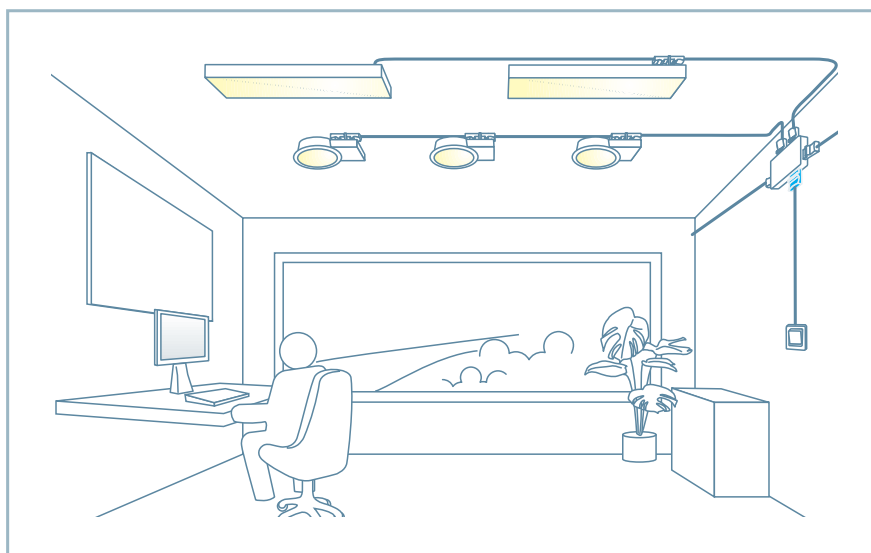
Workroom

Lighting Installation with T-distribution Block and Power Control Box

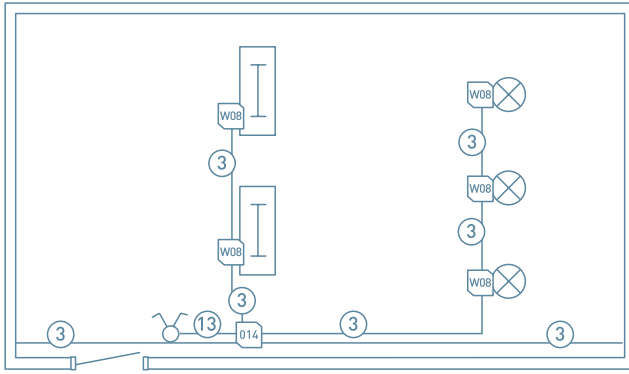
Installation with one phase continuous supply and on/off-switching of two separate light fitting chains. Chain installed with one phase T-distribution blocks.

This solution can also be used in

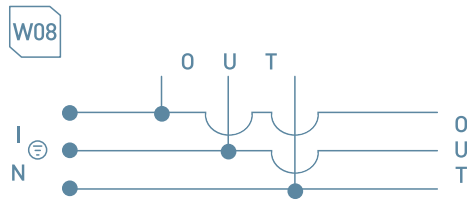
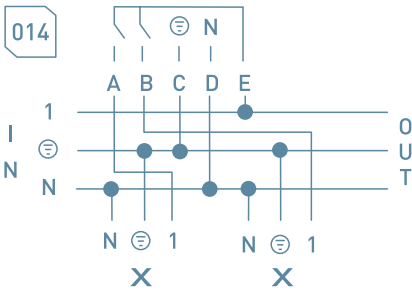
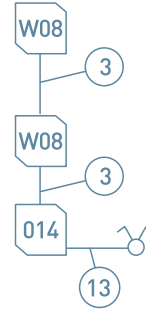
- Meeting room
- School
- Hotel
- Hospital



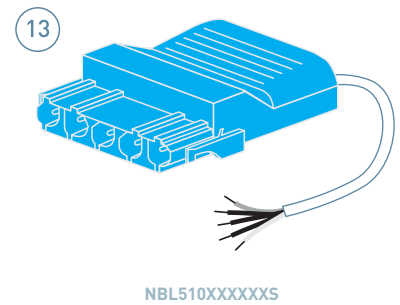
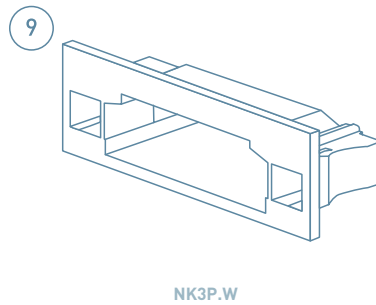
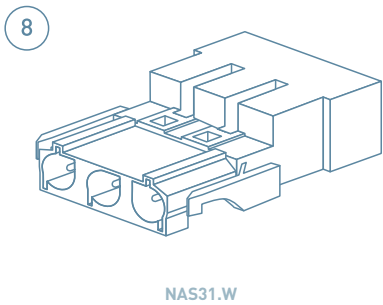
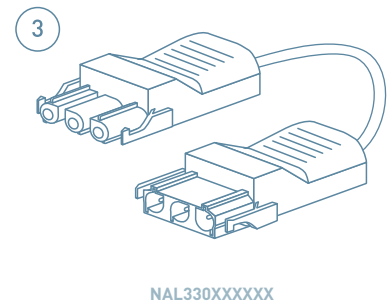
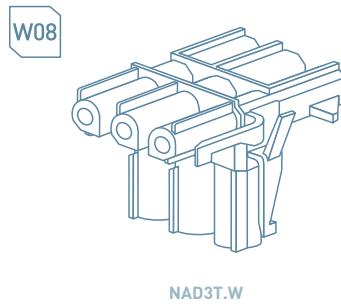
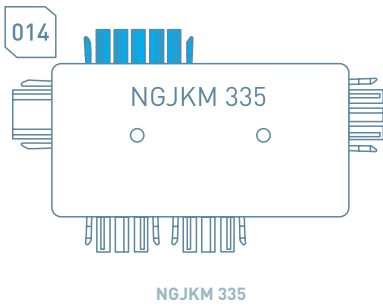
WIRING AND CIRCUIT DIAGRAM



- 014 NGJKM 335
- W08 NAD3T.W
- 3 NAL330XXXXXX
- 13 NBL510XXXXXS
- SWITCH, 2-POLE



PRODUCTS



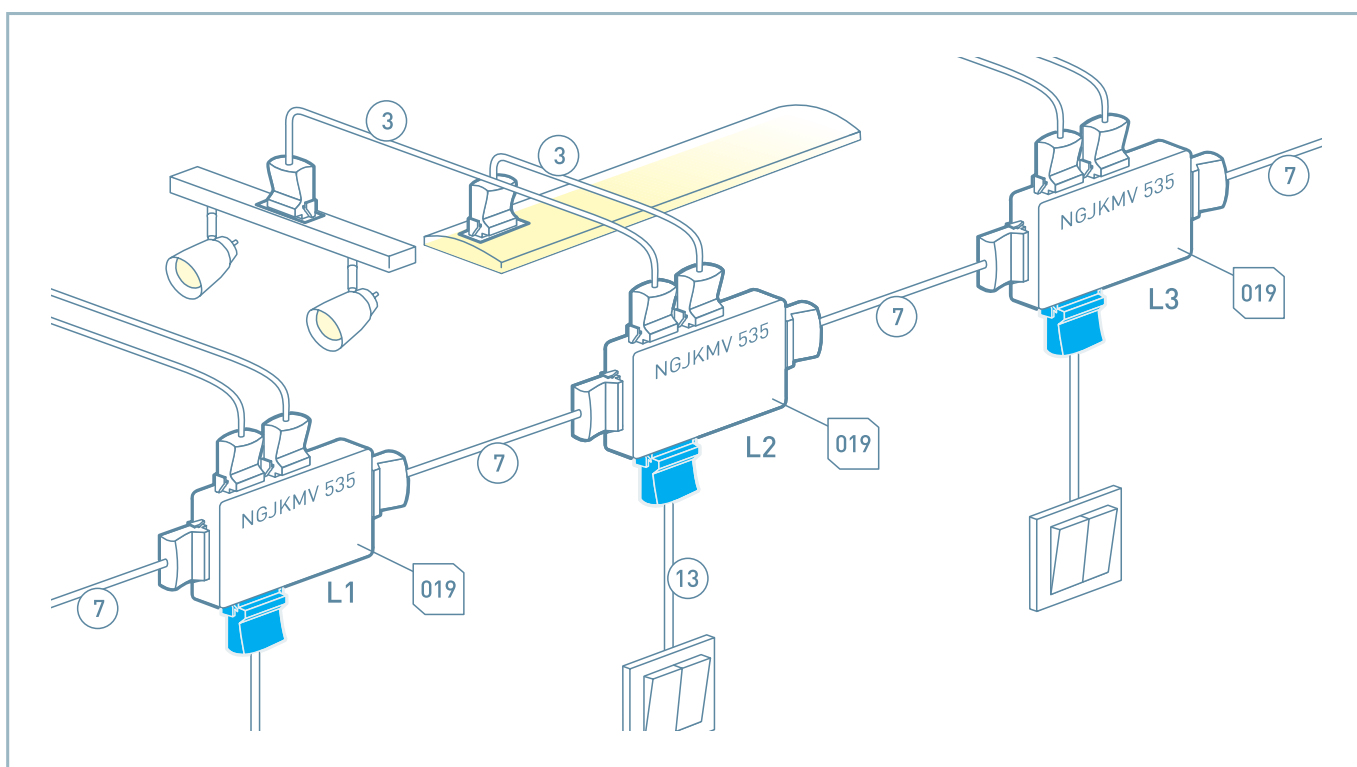
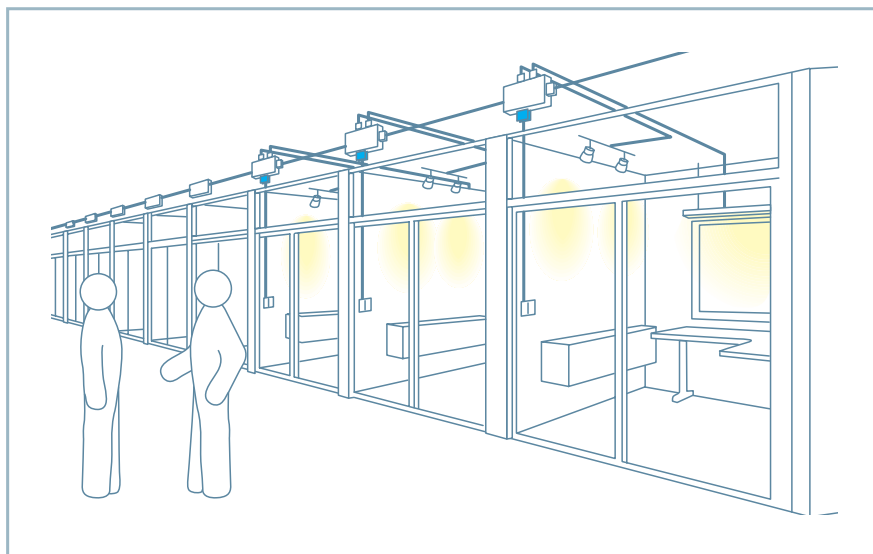
Workroom

Lighting Installation with Power Control Box

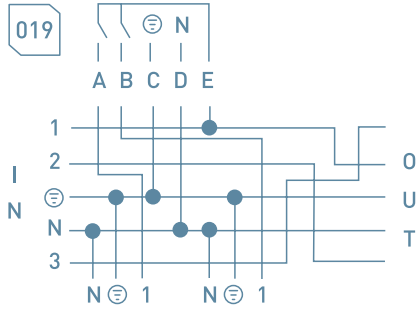
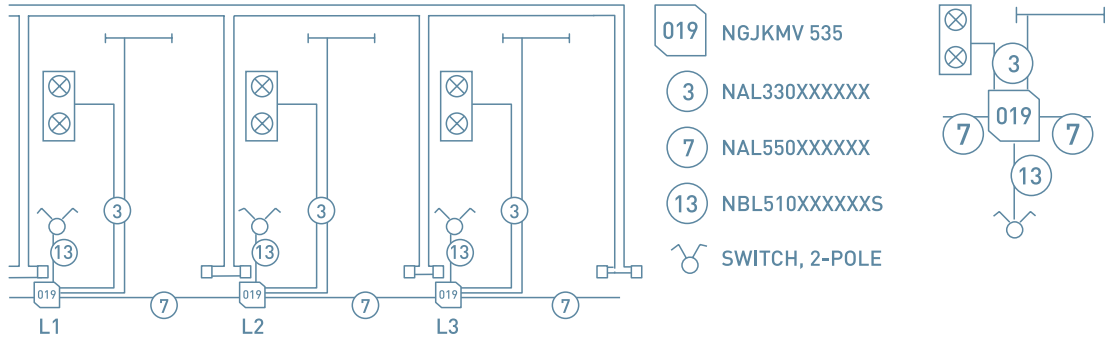
Installation with three phase continuous supply with phase rotation and branching via a double switch to two one phase outgoings to light fittings.

This solution can also be used in

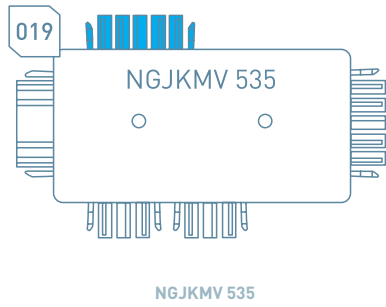
- Meeting room
- School
- Hotel
- Hospital
- Corridor



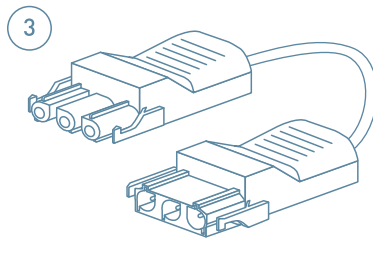
WIRING AND CIRCUIT DIAGRAM



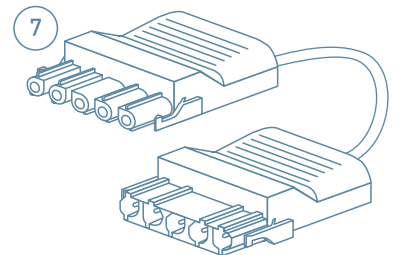
PRODUCTS



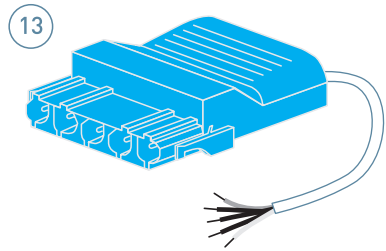
NGJKMV 535



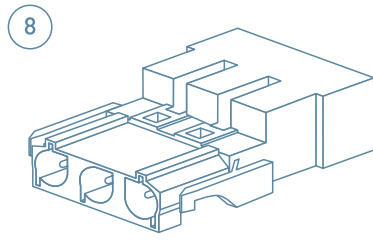
NAL330XXXXXX



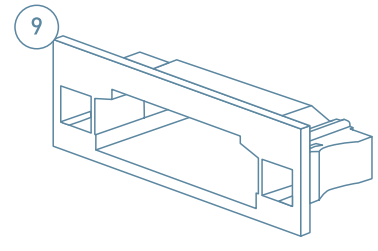
NAL550XXXXXX



NBL510XXXXXS



NAS31.W



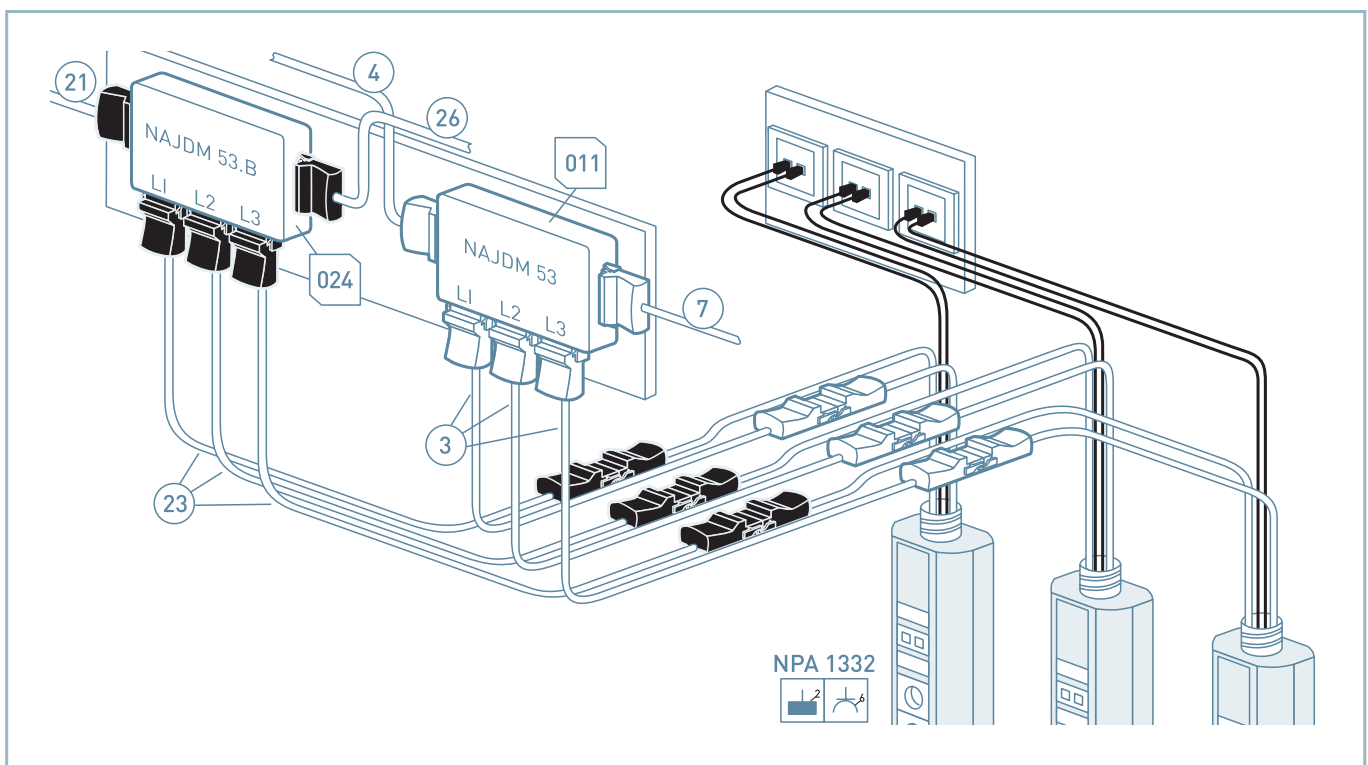
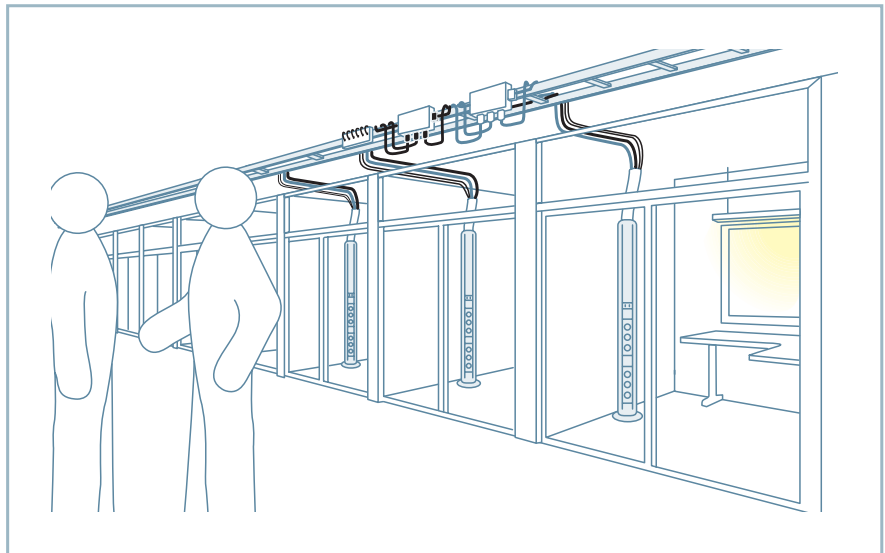
NK3P.W

Workroom

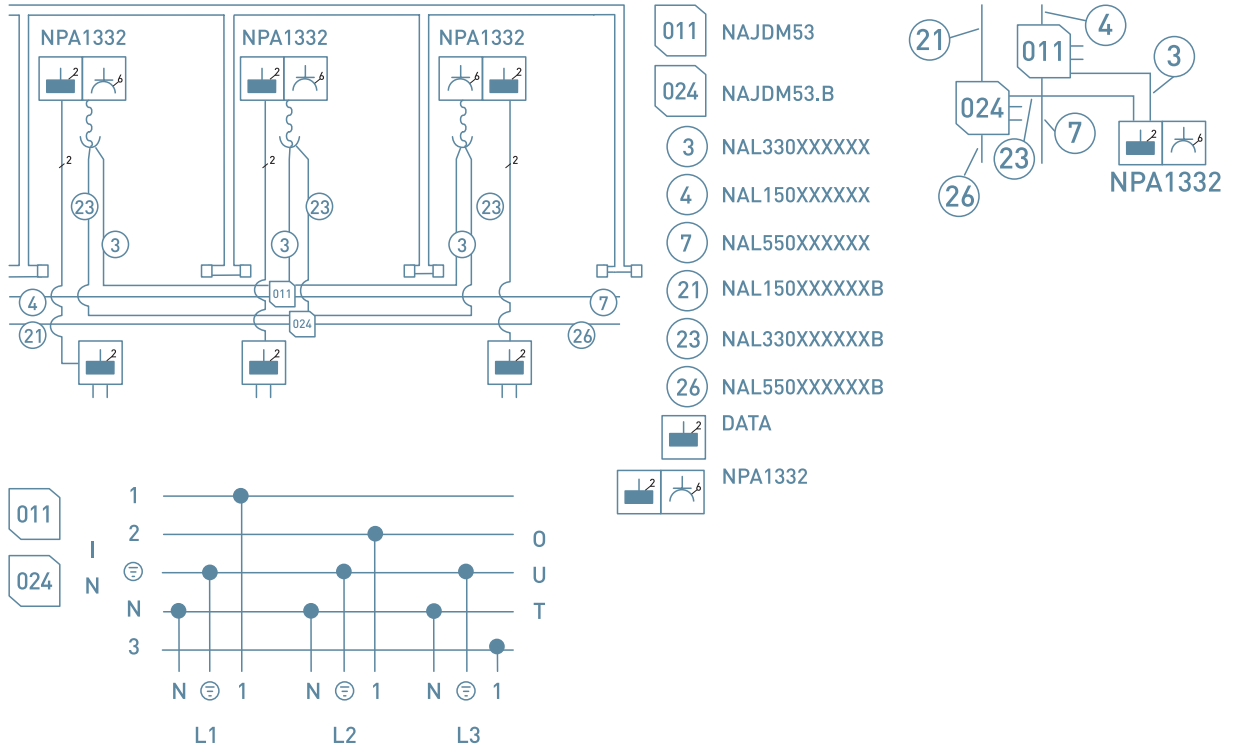
Socket Outlet Installation with Service Pole

Installation with three phase continuous supply and three one phase branching to service poles.

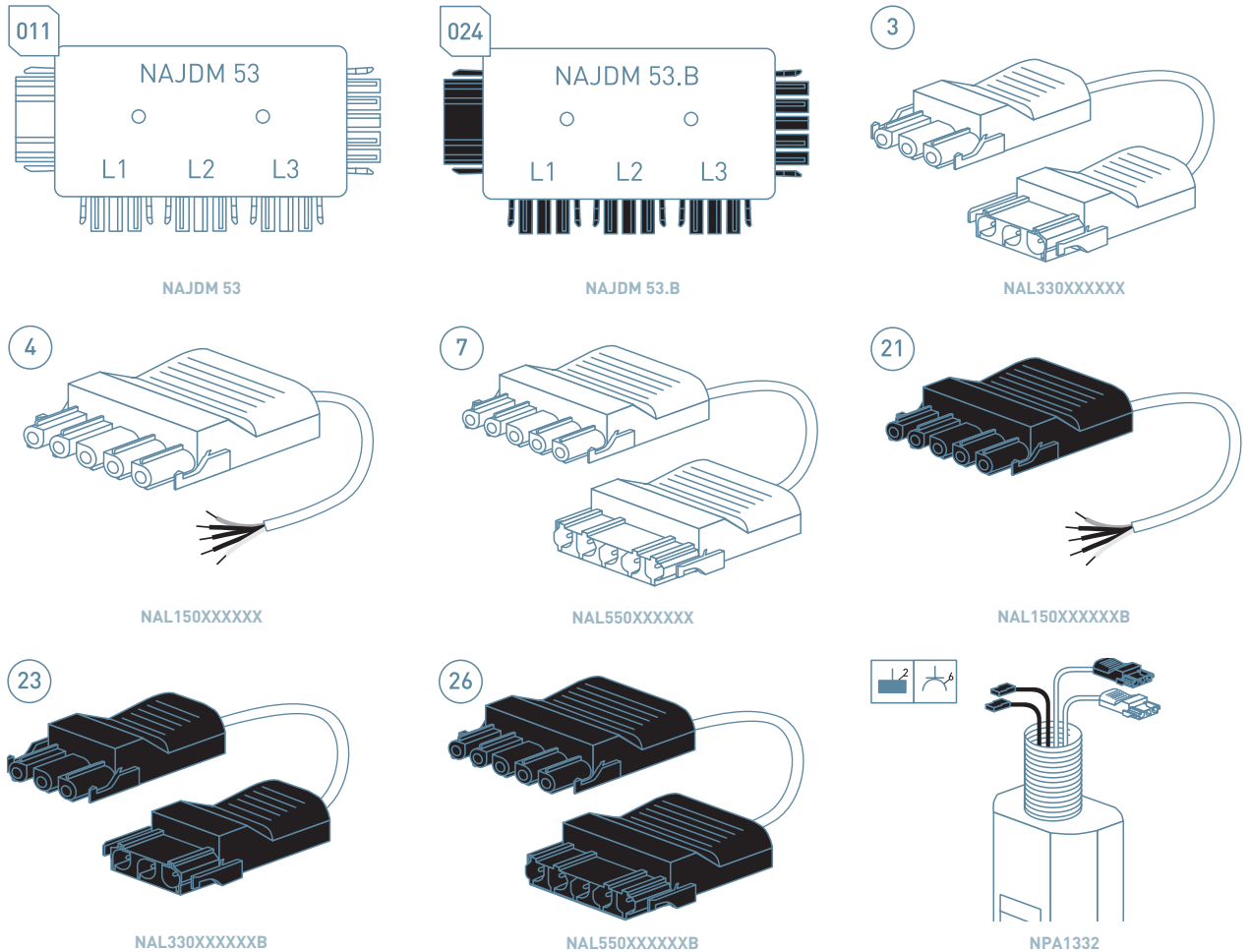
This solution can also be used in
- Open-plan office



WIRING AND CIRCUIT DIAGRAM



PRODUCTS



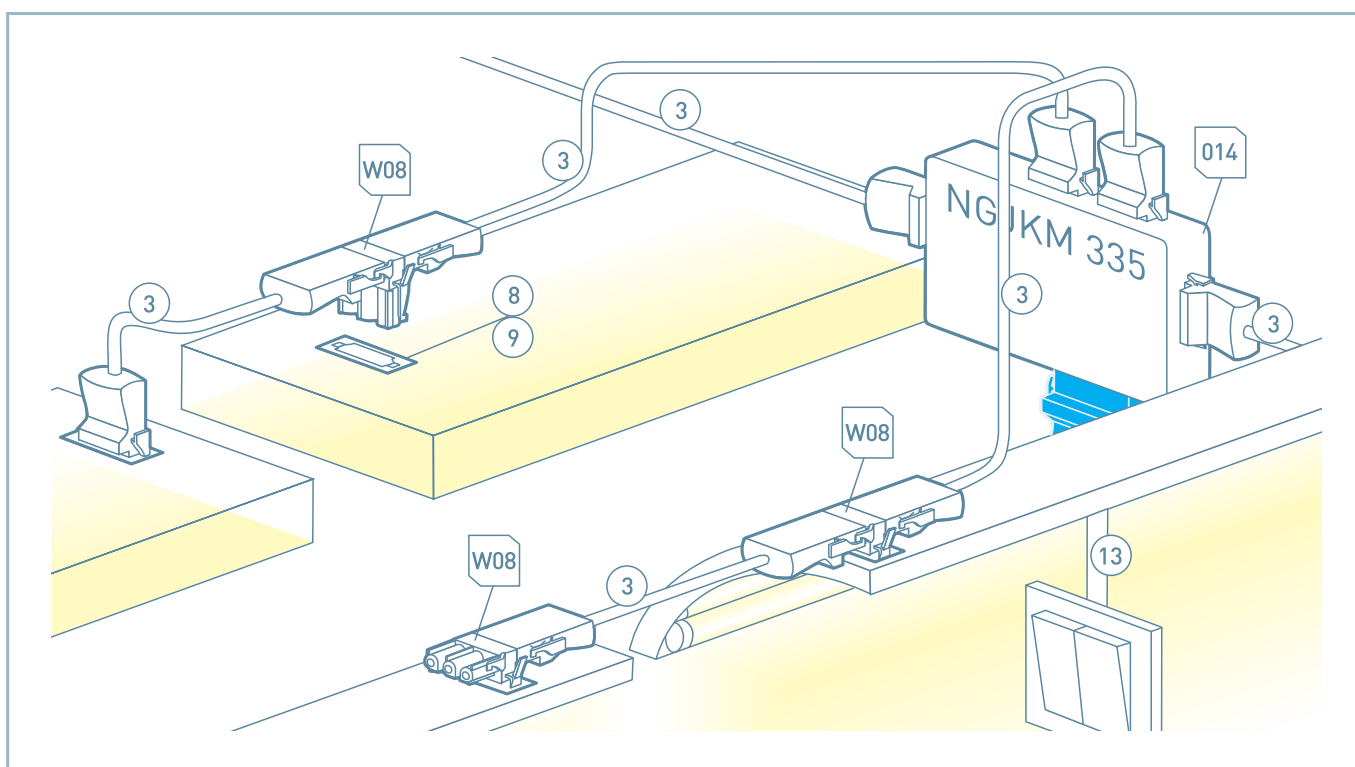
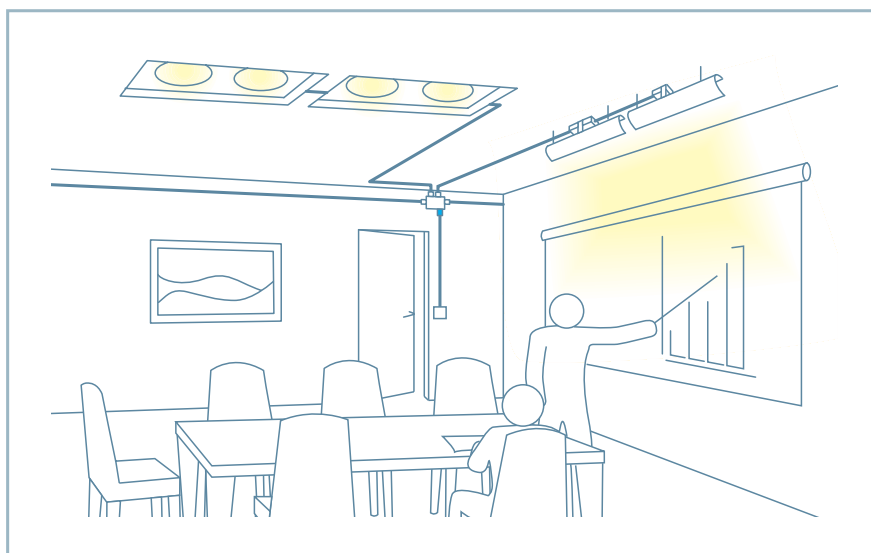
Meeting room

Lighting Installation with T-distribution Block and Power Control Box

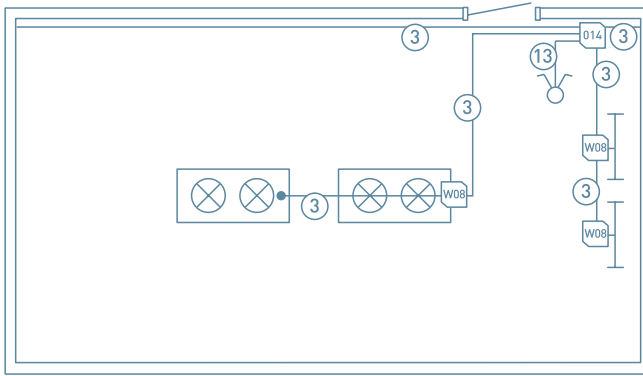
Installation with one phase continuous supply and on/off-switching of two separate light fitting chains. Chain installed with one phase T-distribution blocks.

This solution can also be used in

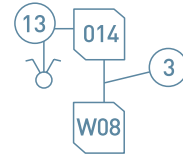
- School
- Hospital
- Workroom



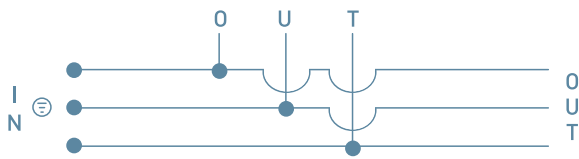
WIRING AND CIRCUIT DIAGRAM



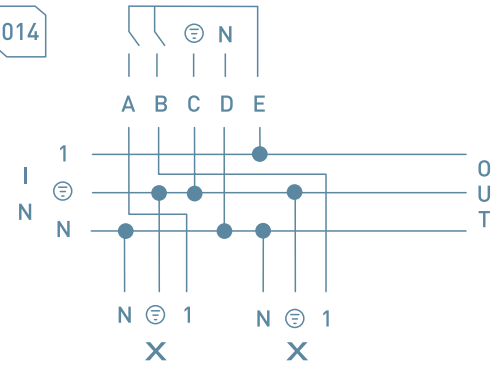
- W08** NAD3T.W
- 014** NGJKM 335
- 3** NAL330XXXXXX
- 13** NBL510XXXXXS
- SWITCH, 2-POLE



W08

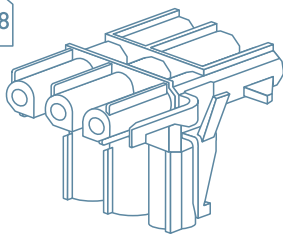


014



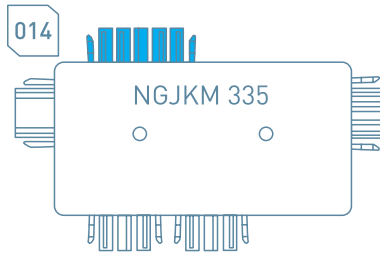
PRODUCTS

W08



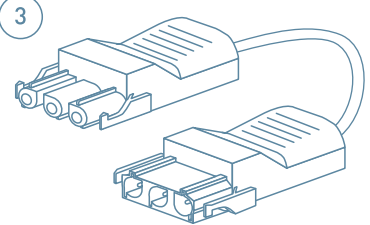
NAD3T.W

014



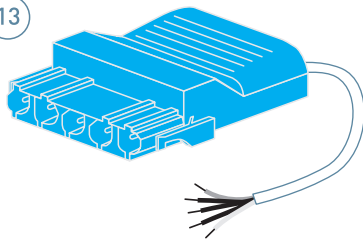
NGJKM 335

3



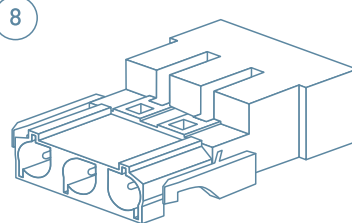
NAL330XXXXXX

13



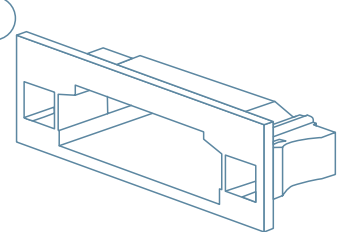
NBL510XXXXXS

8



NAS31.W

9



NK3P.W

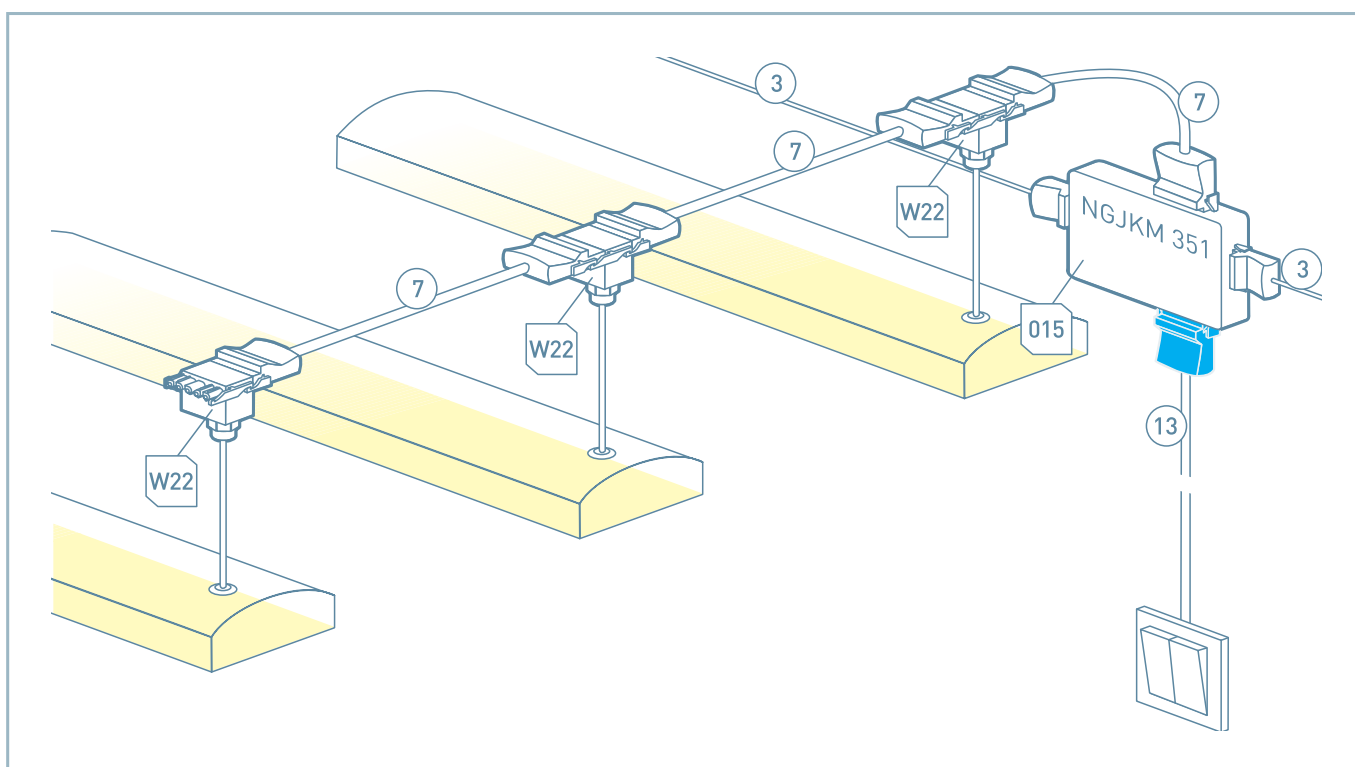
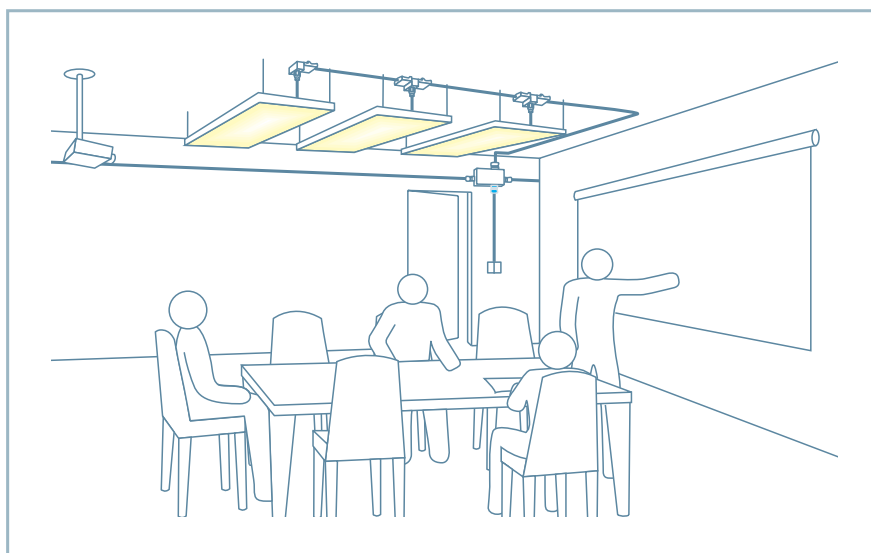
Meeting room

Lighting Installation with T-distribution Block with Cable and Power Control Box

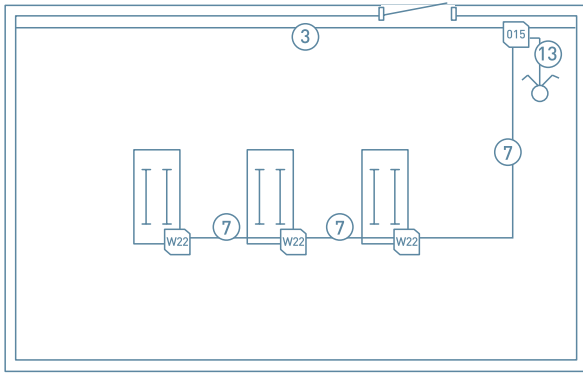
Installation with one phase continuous supply and on/off-switching of two light fitting chains branched with one outgoing connector. Light fitting chain installed with separate T-distribution block. With this connection two light sources in the same light fitting can be controlled separately.

This solution can also be used in

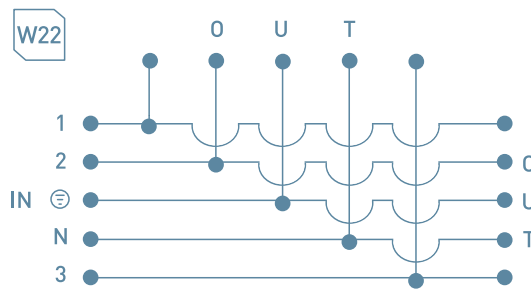
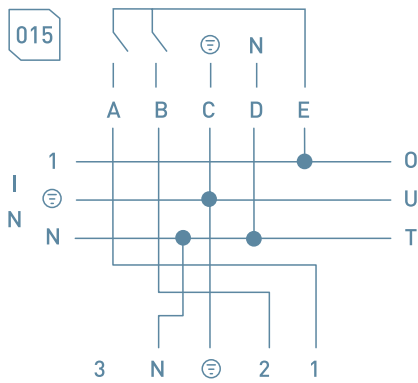
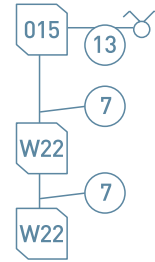
- Shop
- School
- Hotel
- Hospital
- Workroom
- Corridor



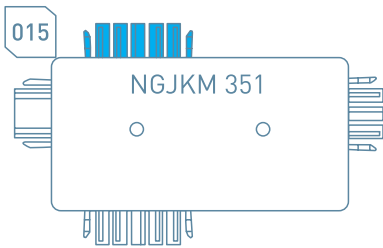
WIRING AND CIRCUIT DIAGRAM



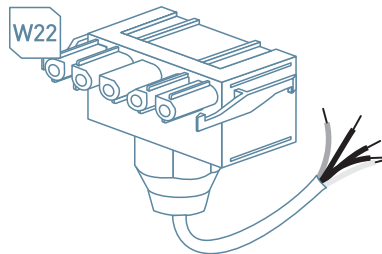
- 015 NGJKM 351
- W22 NAD5BS.WXXX
- 3 NAL330XXXXXX
- 7 NAL550XXXXXX
- 13 NBL510XXXXXS
- SWITCH, 2-POLE



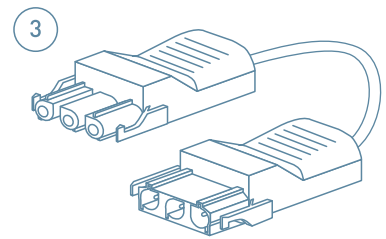
PRODUCTS



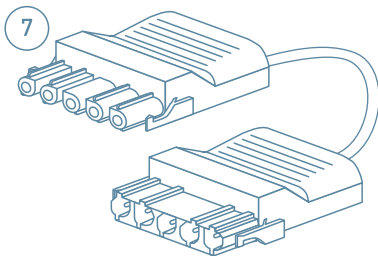
NGJKM 351



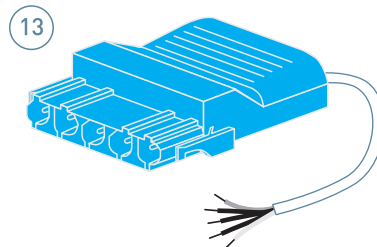
NAD5BS.WXXX



NAL330XXXXXX



NAL550XXXXXX



NBL510XXXXXS

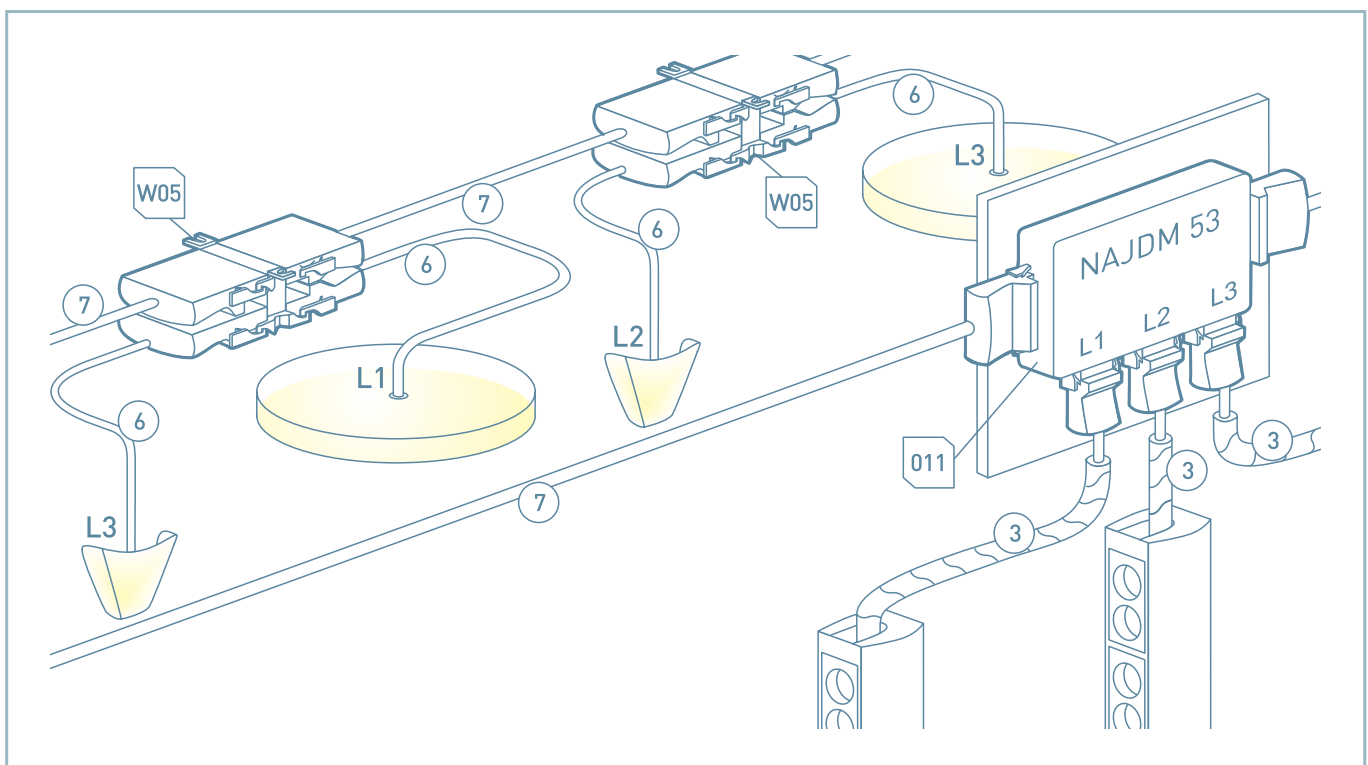
Corridor

Installation Solution for Corridor

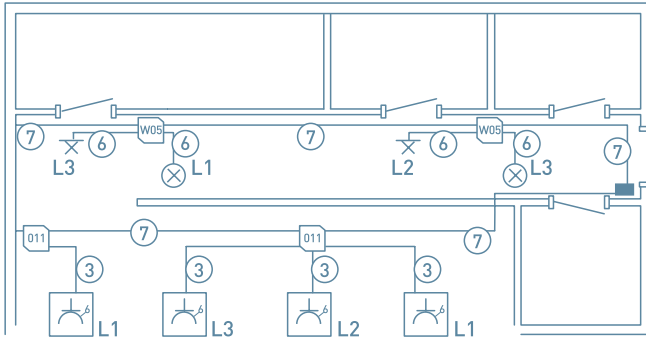
Installation with three phase continuous supply and branching to two one phase outgoings to light fittings.

This solution can also be used in

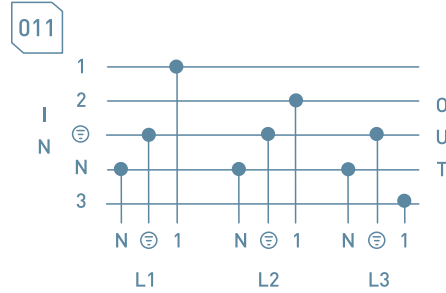
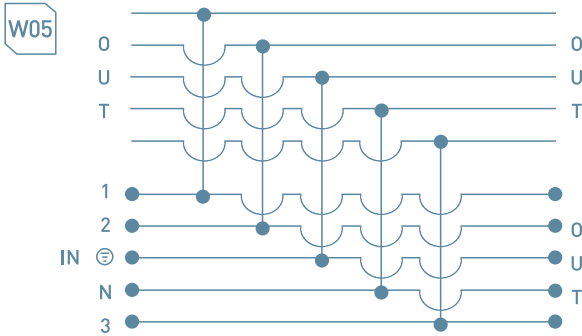
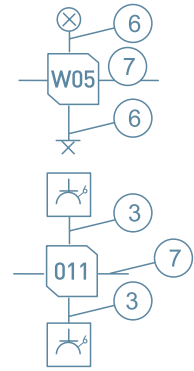
- Meeting room
- Shop
- School
- Hotel
- Hospital



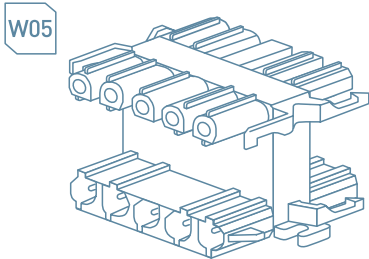
WIRING AND CIRCUIT DIAGRAM



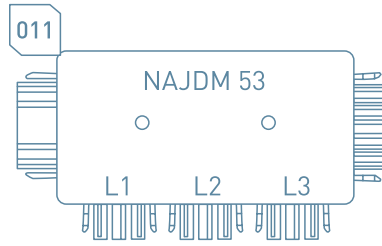
- W05** NAD5.W
- 011** NAJDM 53
- 3** NAL330XXXXXX
- 6** NAL511XXXXXX (L1)
- 6** NAL512XXXXXX (L2)
- 6** NAL513XXXXXX (L3)
- 7** NAL550XXXXXX
- SOCKET OUTLET



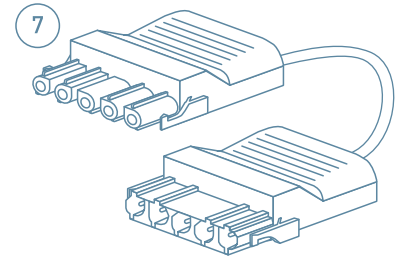
PRODUCTS



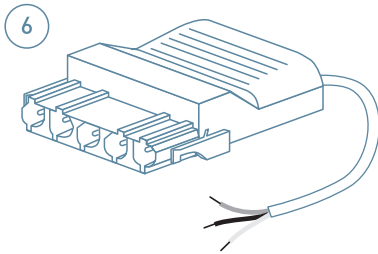
NAD5.W



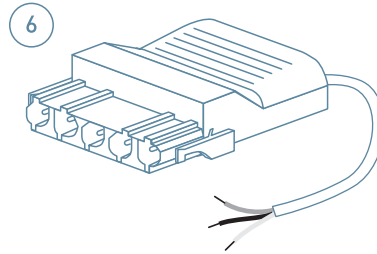
NAJDM 53



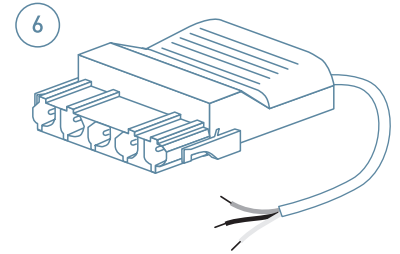
NAL550XXXXXX



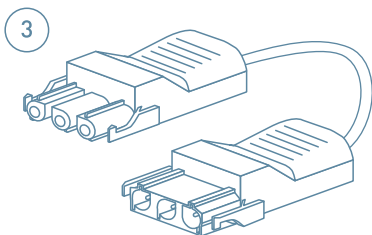
NAL511XXXXXX (L1)



NAL512XXXXXX (L2)



NAL513XXXXXX (L3)



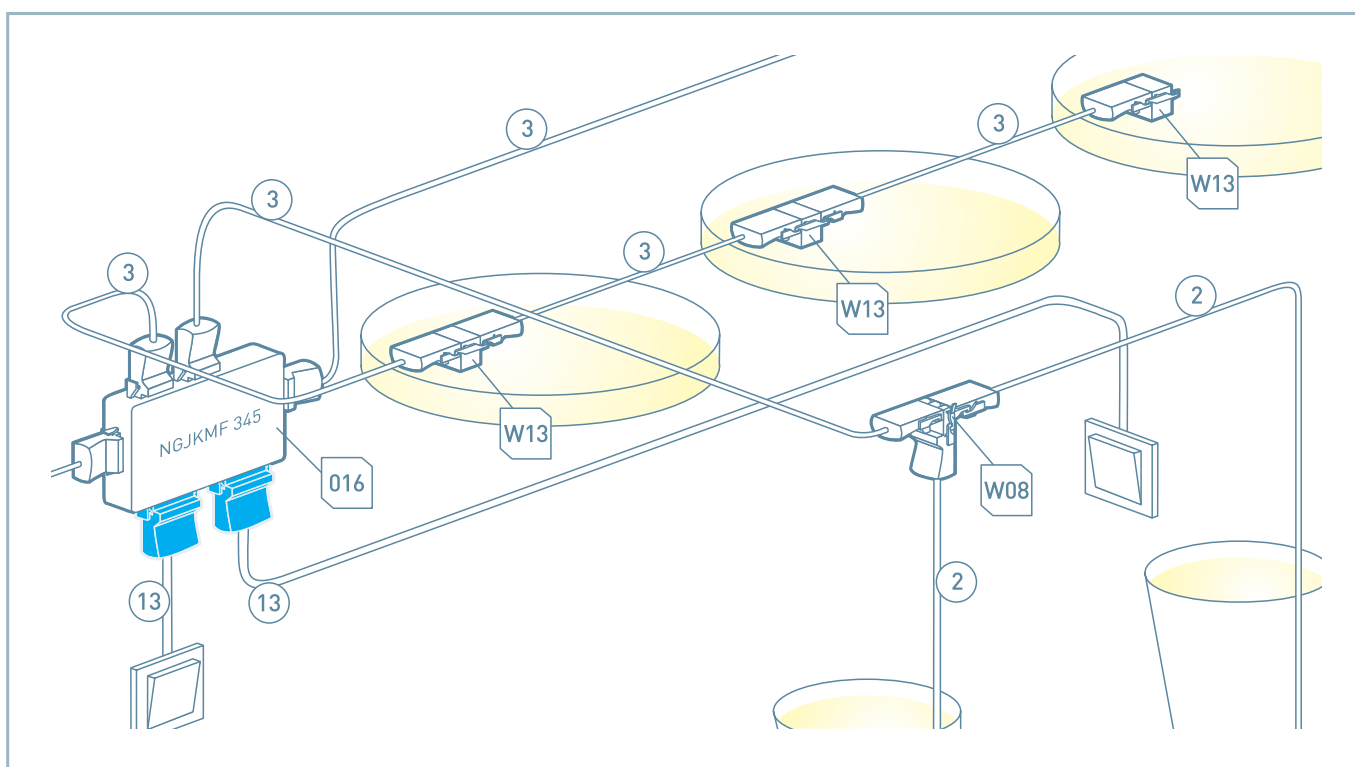
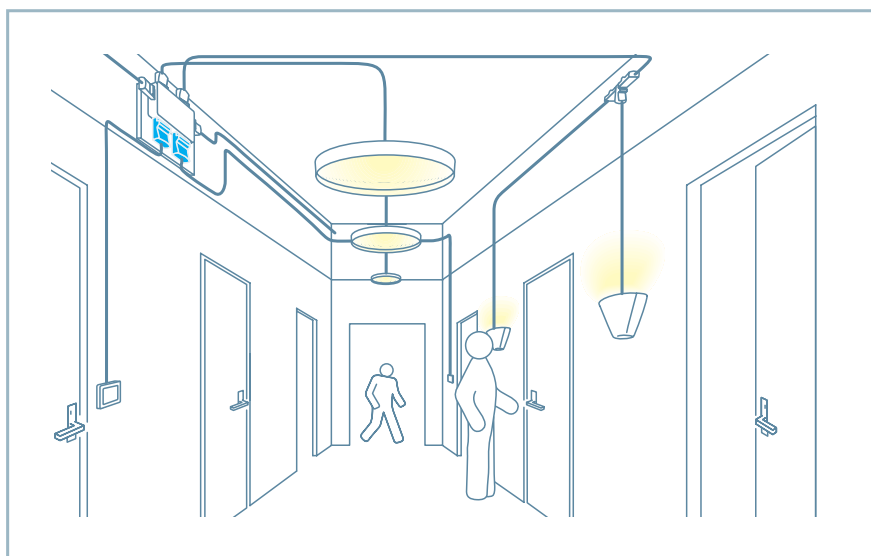
NAL330XXXXXX

Corridor

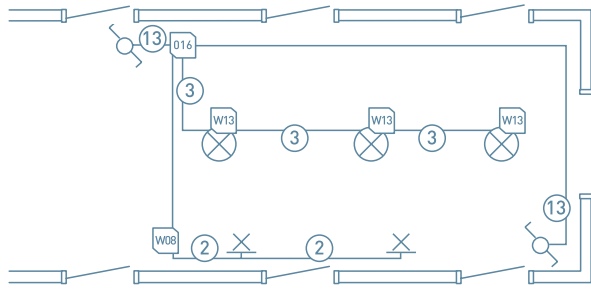
Lighting Installation with T-distribution Block and Power Control Box for Two Switches

Installation with one phase continuous supply and branching via two change over switches. Outgoings for two separate supplies to light fittings.

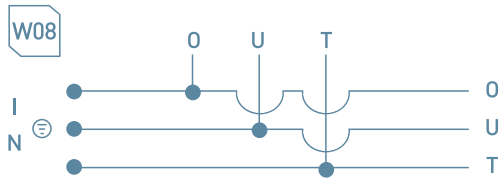
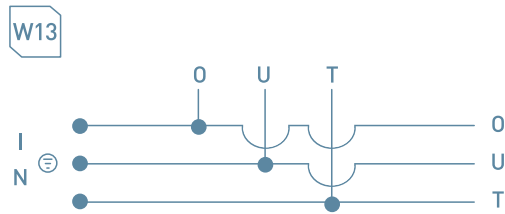
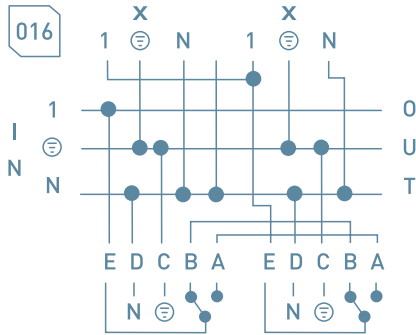
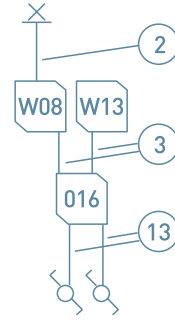
This solution can also be used in
- Open-plan office



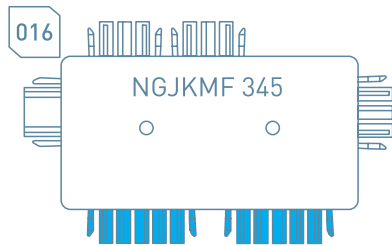
WIRING AND CIRCUIT DIAGRAM



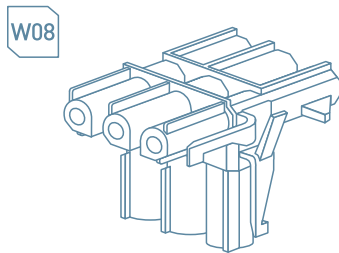
- 016** NGJKMF 345
- W13** NAD3B.W
- W08** NADT3.W
- 2** NAL310XXXXX
- 3** NAL330XXXXX
- 13** NBL510XXXXXS
- SWITCH, 2-WAY



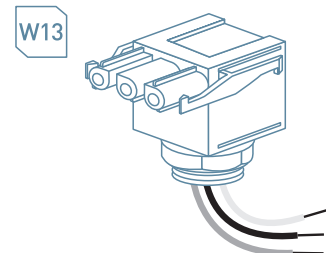
PRODUCTS



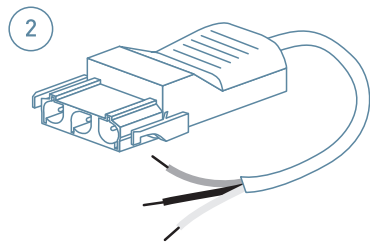
NGJKMF 345



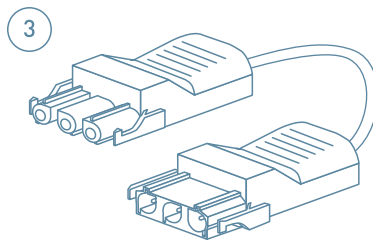
NAD3T.W



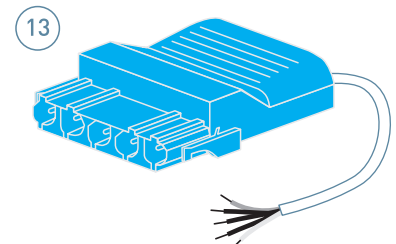
NAD3B.W



NAL310XXXXX



NAL330XXXXX



NBL510XXXXXS

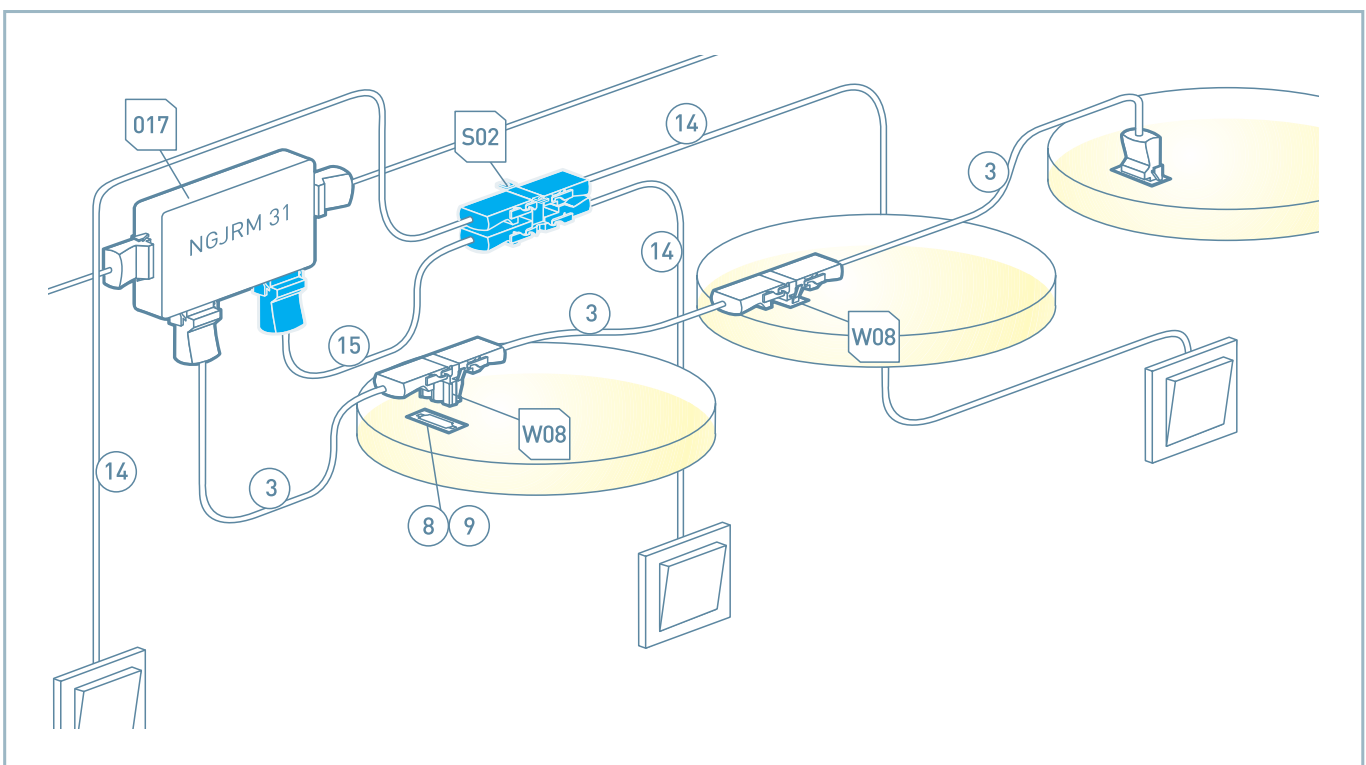
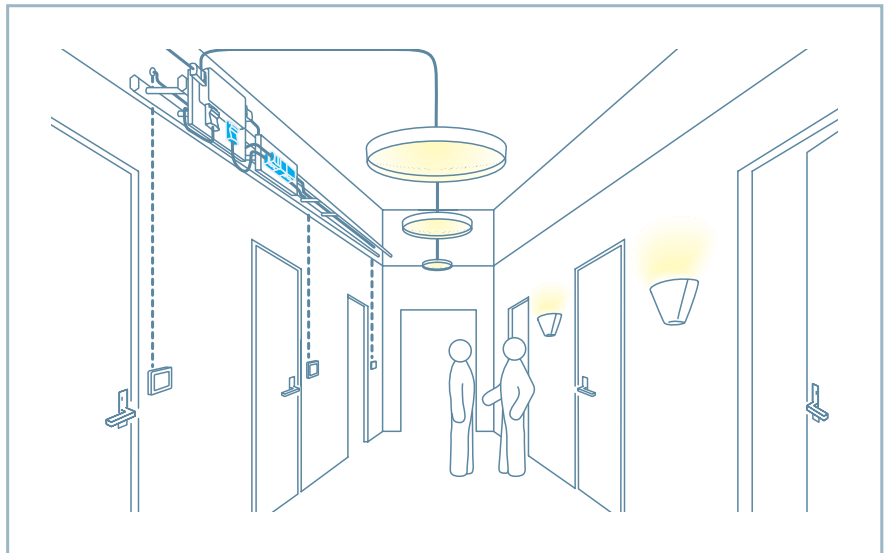
Corridor

Lighting Installation with T-distribution Block and Relay Box

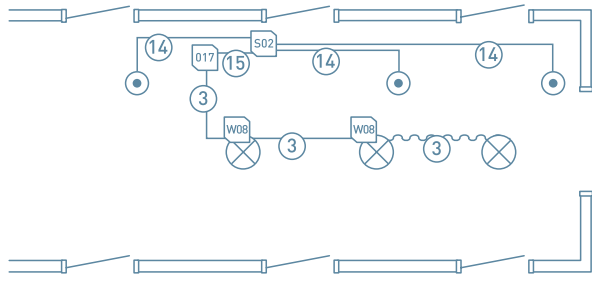
Installation with one phase continuous supply. Parallel connected push switches controls relay which is branching to one one phase outgoing for light fittings.

This solution can also be used in

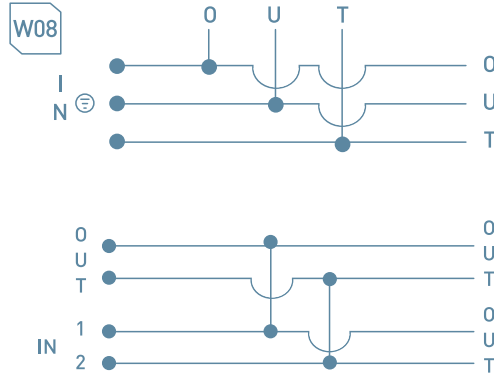
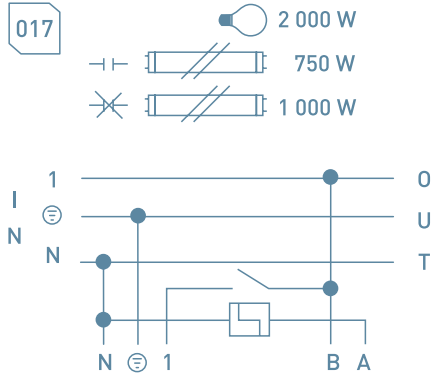
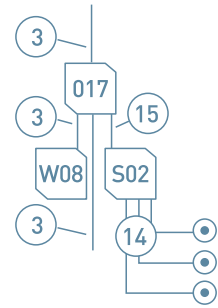
- Meeting room
- Open-plan office
- School
- Hotel
- Hospital
- Workroom



WIRING AND CIRCUIT DIAGRAM



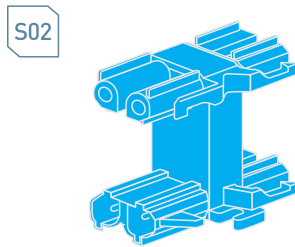
- 017 NGJRM 31
- 502 NBD2.S
- W08 NADT3.W
- 3 NAL330XXXXXX
- 14 NBL210XXXXXS
- 15 NBL220XXXXXS
- PUSH BUTTON



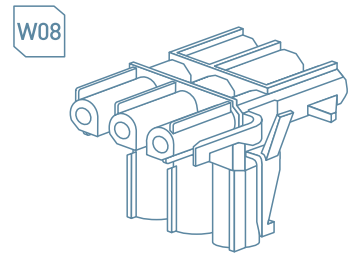
PRODUCTS



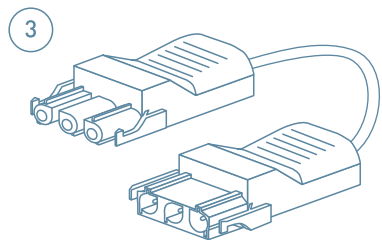
NGJRM 31



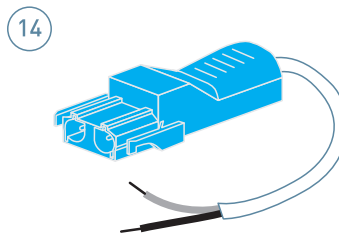
NBD2.S



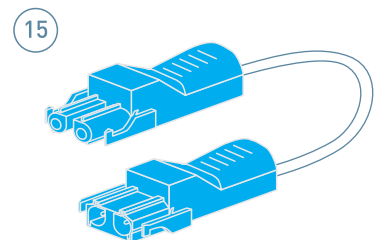
NAD3T.W



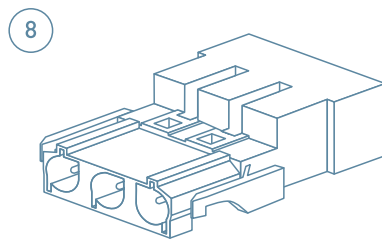
NAL330XXXXXX



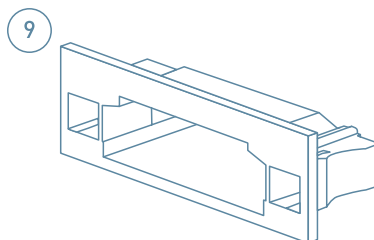
NBL210XXXXXS



NBL220XXXXXS



NAS31.W



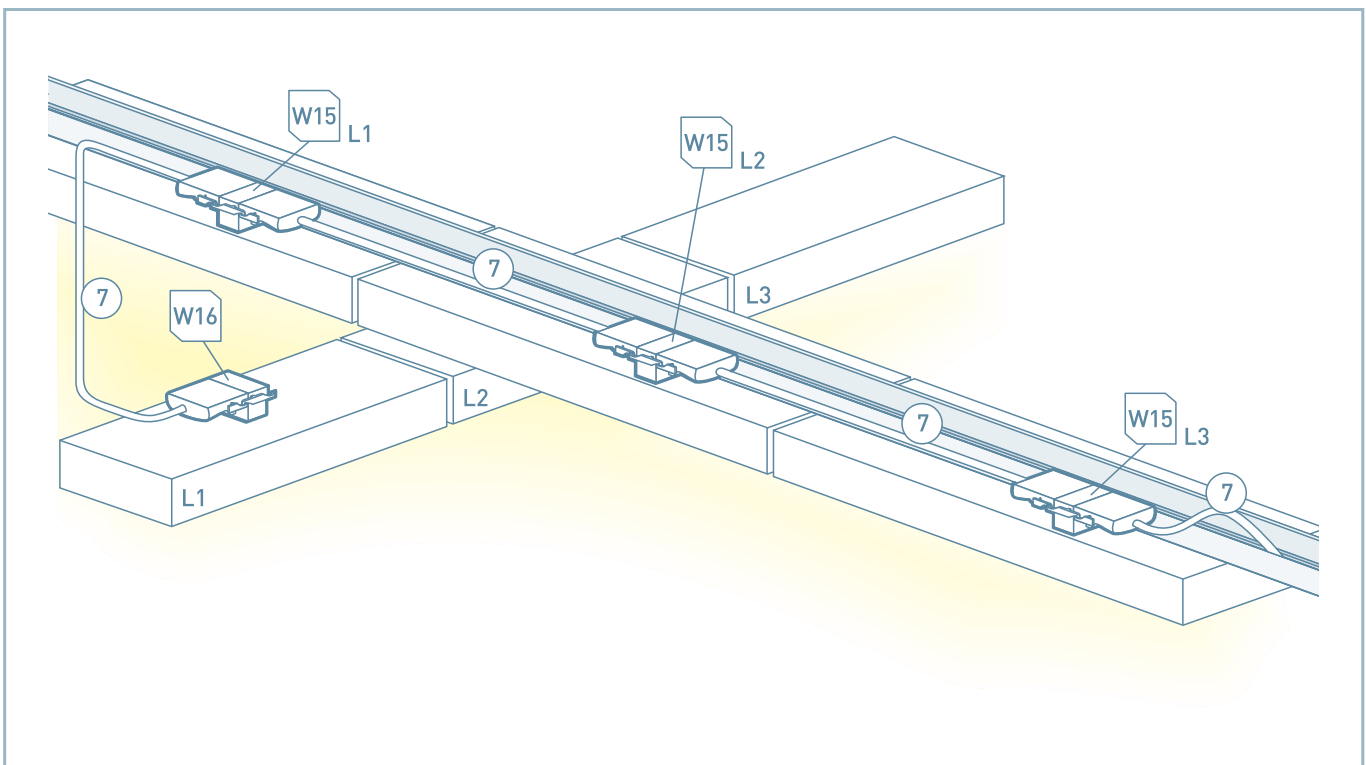
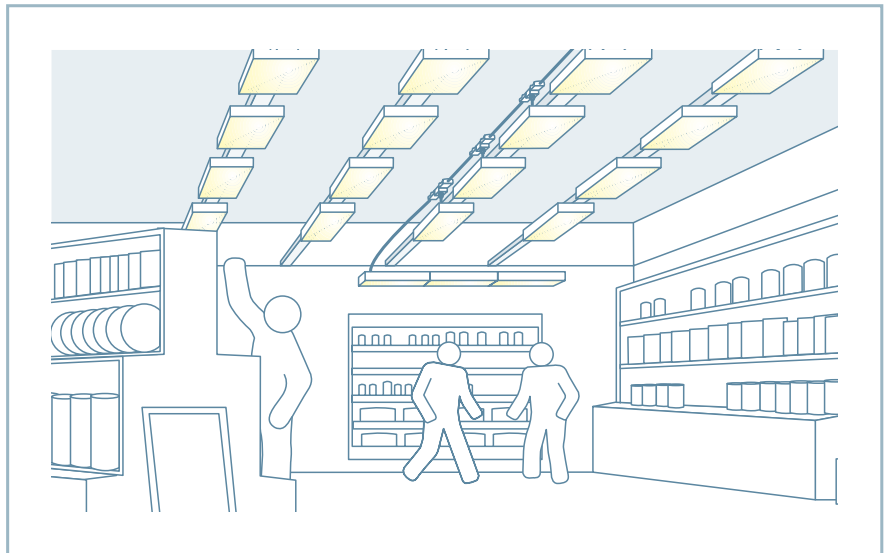
NK3P.W

Supermarket

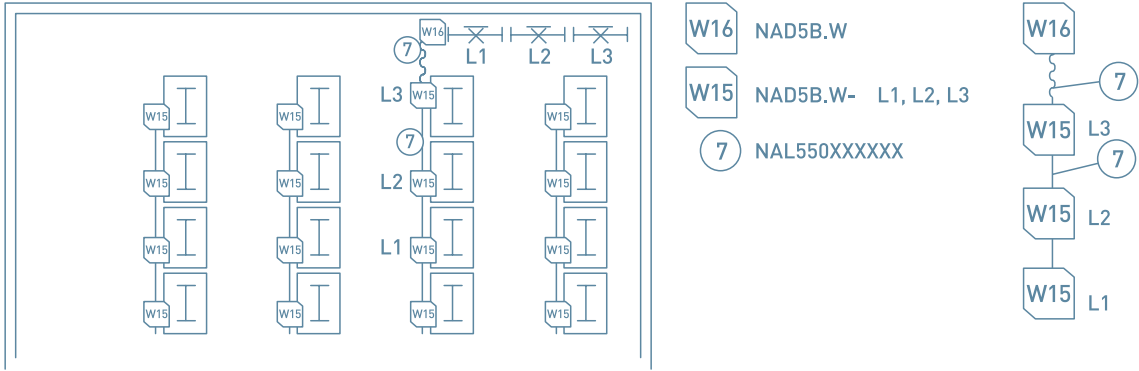
Lighting Installation with Integrated T-distribution Block

Installation with three phase supply continuous and integrated T-distribution blocks with alternatively one or three phase outgoings.

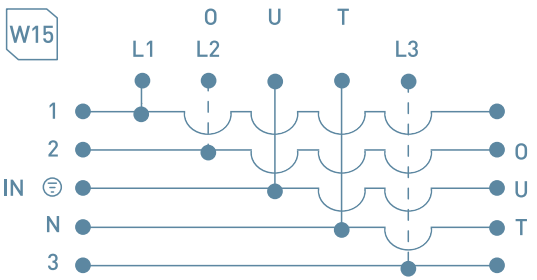
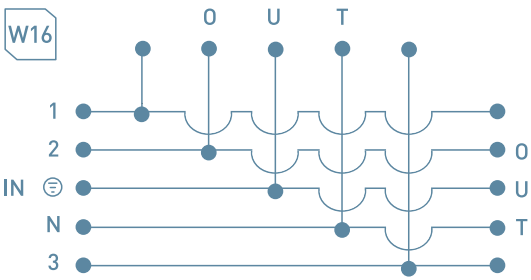
This solution can also be used in
- Open-plan office
- School



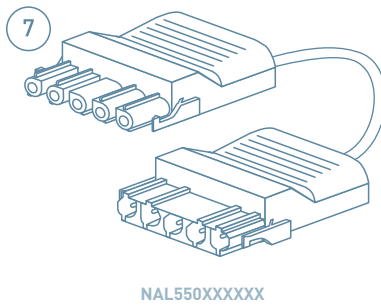
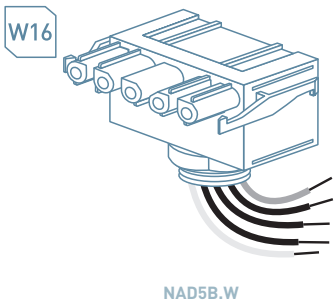
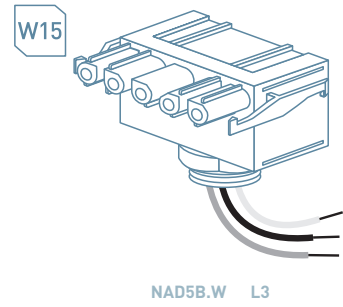
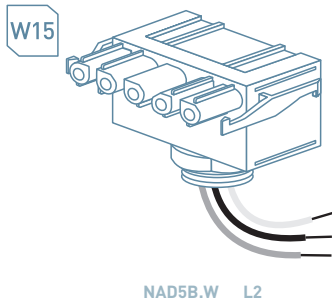
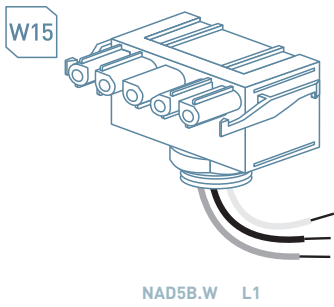
WIRING AND CIRCUIT DIAGRAM



- W16** NAD5B.W
- W15** NAD5B.W- L1, L2, L3
- 7** NAL550XXXXXX



PRODUCTS

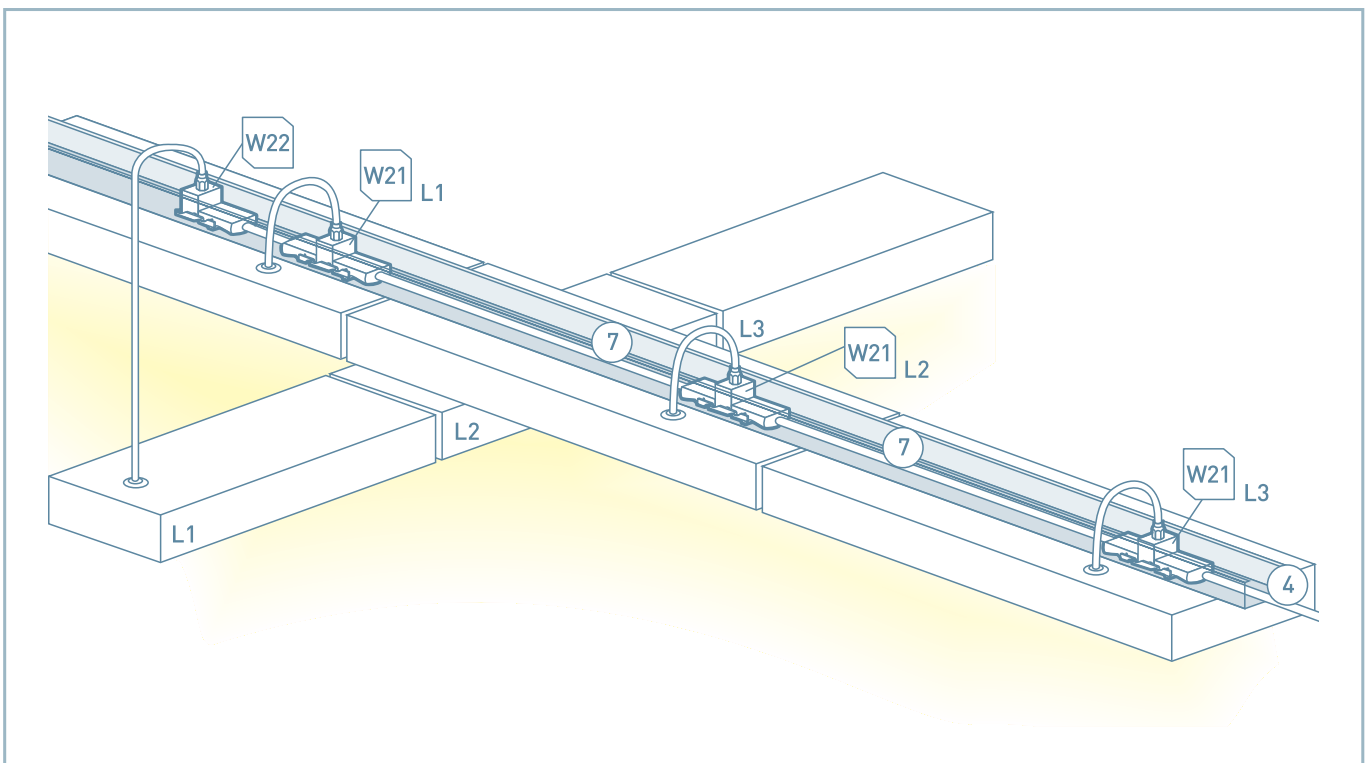
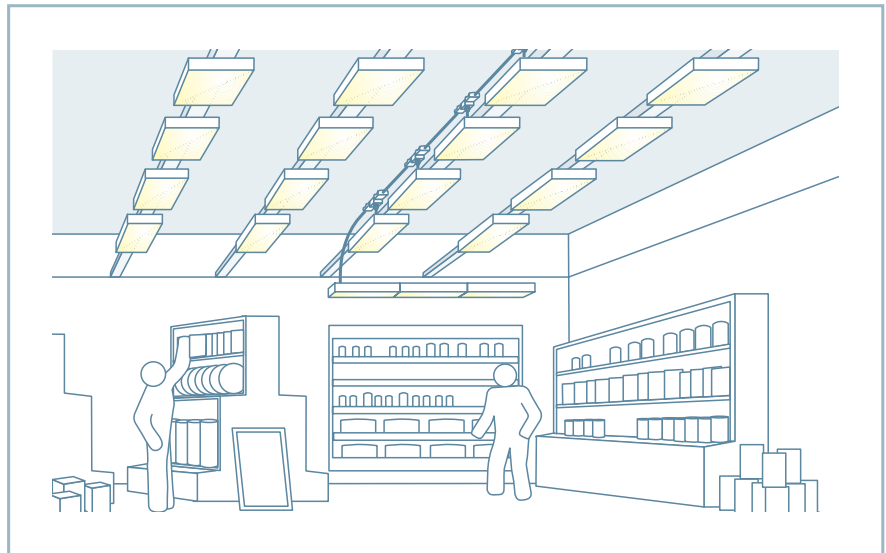


Supermarket

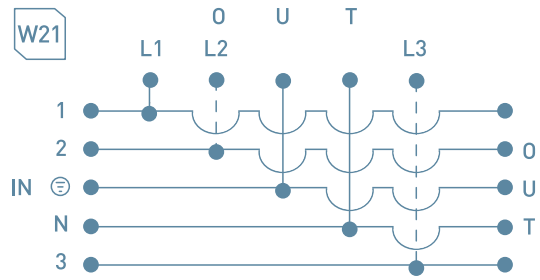
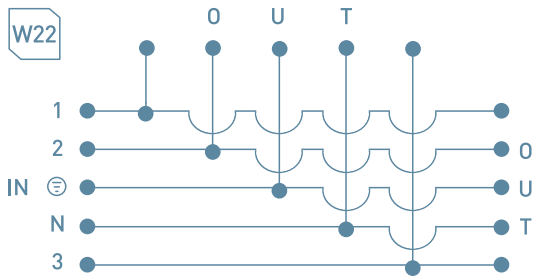
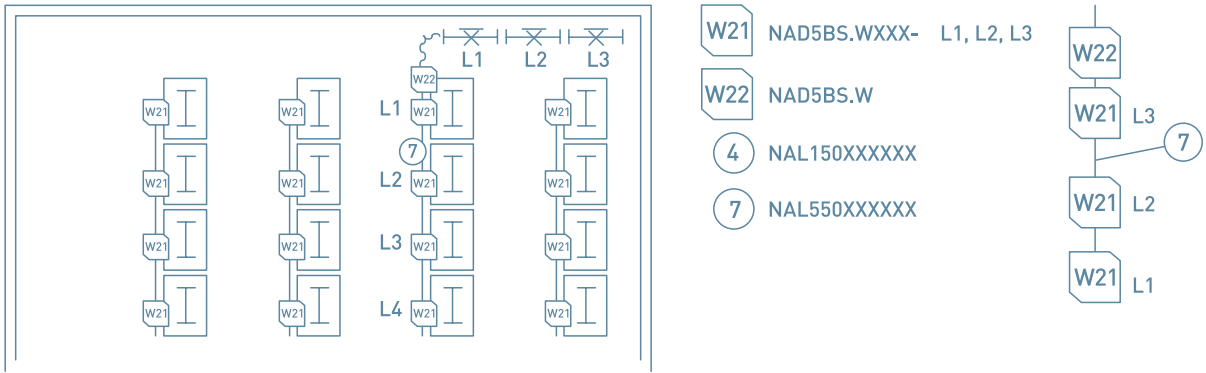
Lighting Installation with Flexible T-distribution Block

Installation with three phase supply continuous and flexible T-distribution blocks with alternatively one or three phase outgoings.

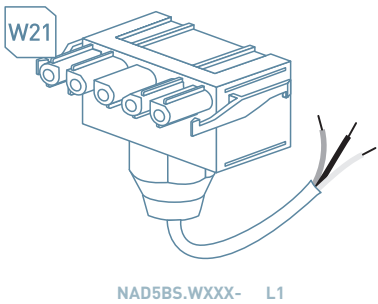
This solution can also be used in
 - Open-plan office
 - School



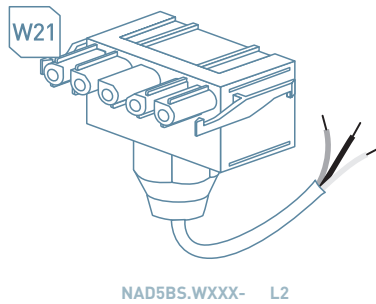
WIRING AND CIRCUIT DIAGRAM



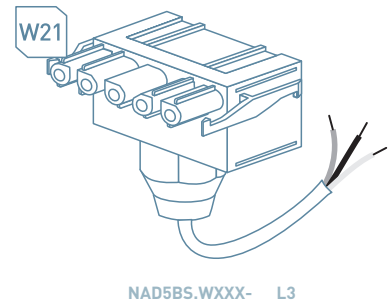
PRODUCTS



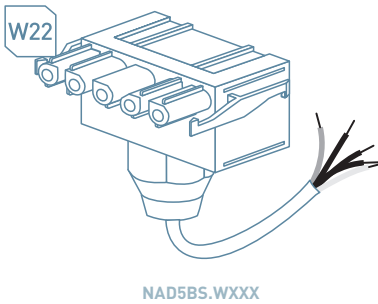
NAD5BS.WXXX- L1



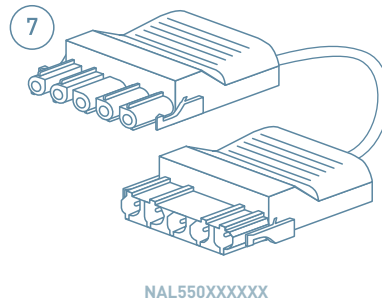
NAD5BS.WXXX- L2



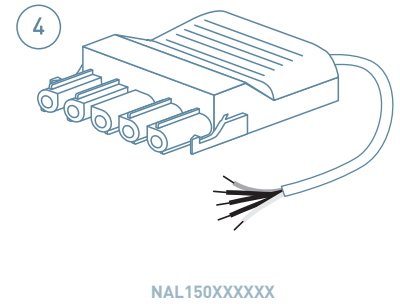
NAD5BS.WXXX- L3



NAD5BS.WXXX



NAL550XXXXXX



NAL150XXXXXX

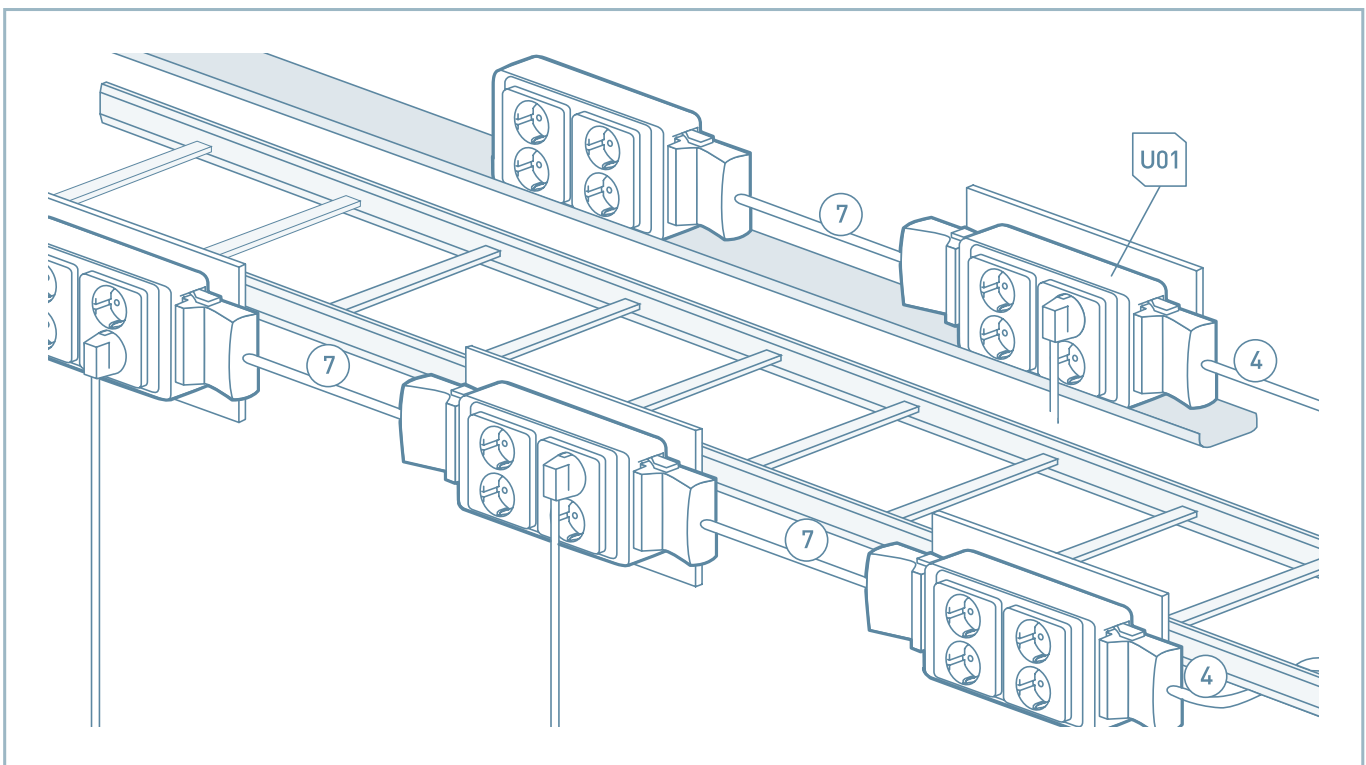
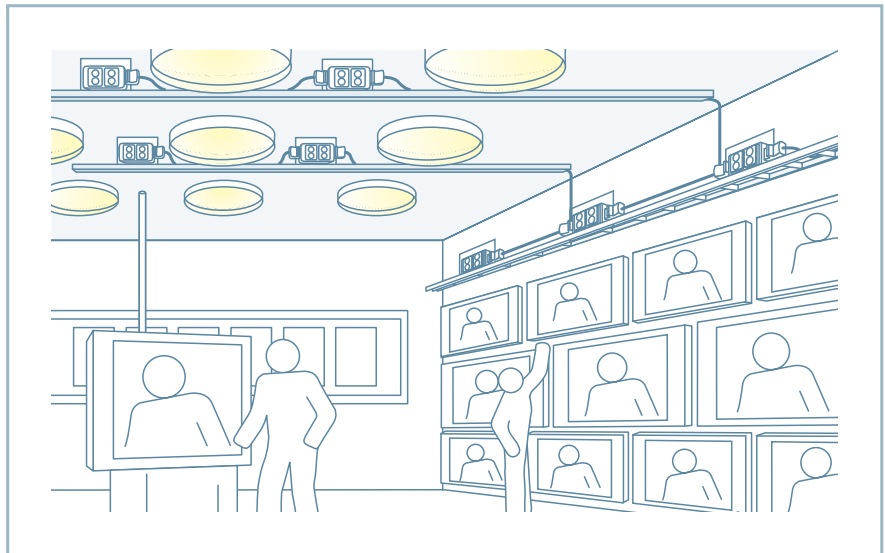
Shop

Socket Outlet Installation

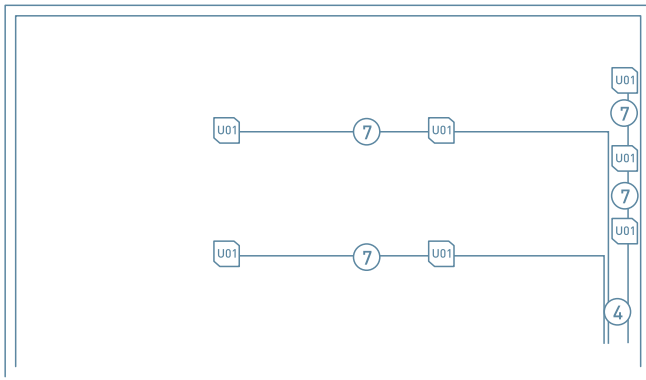
Prefabricated socket boxes with integrated EnstoNet connectors for continuous supply of power.

This solution can also be used in

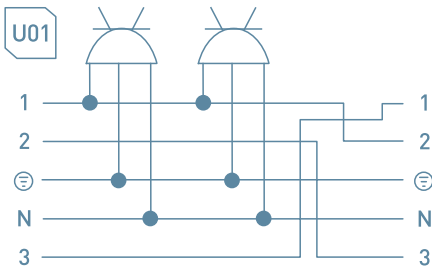
- Open-plan office
- School



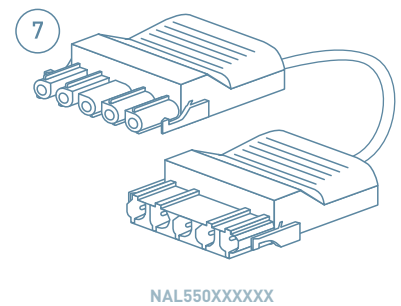
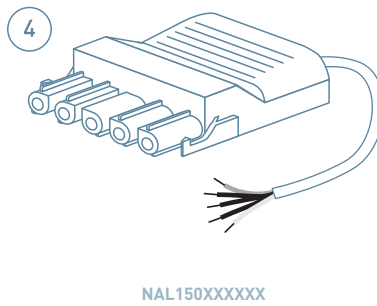
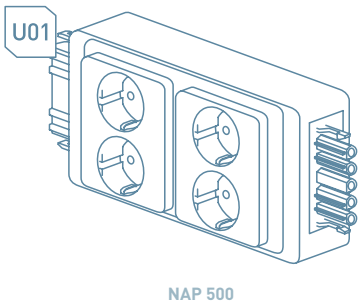
WIRING AND CIRCUIT DIAGRAM



- U01 NAP 500
- 4 NAL150XXXXXX
- 7 NAL550XXXXXX



PRODUCTS

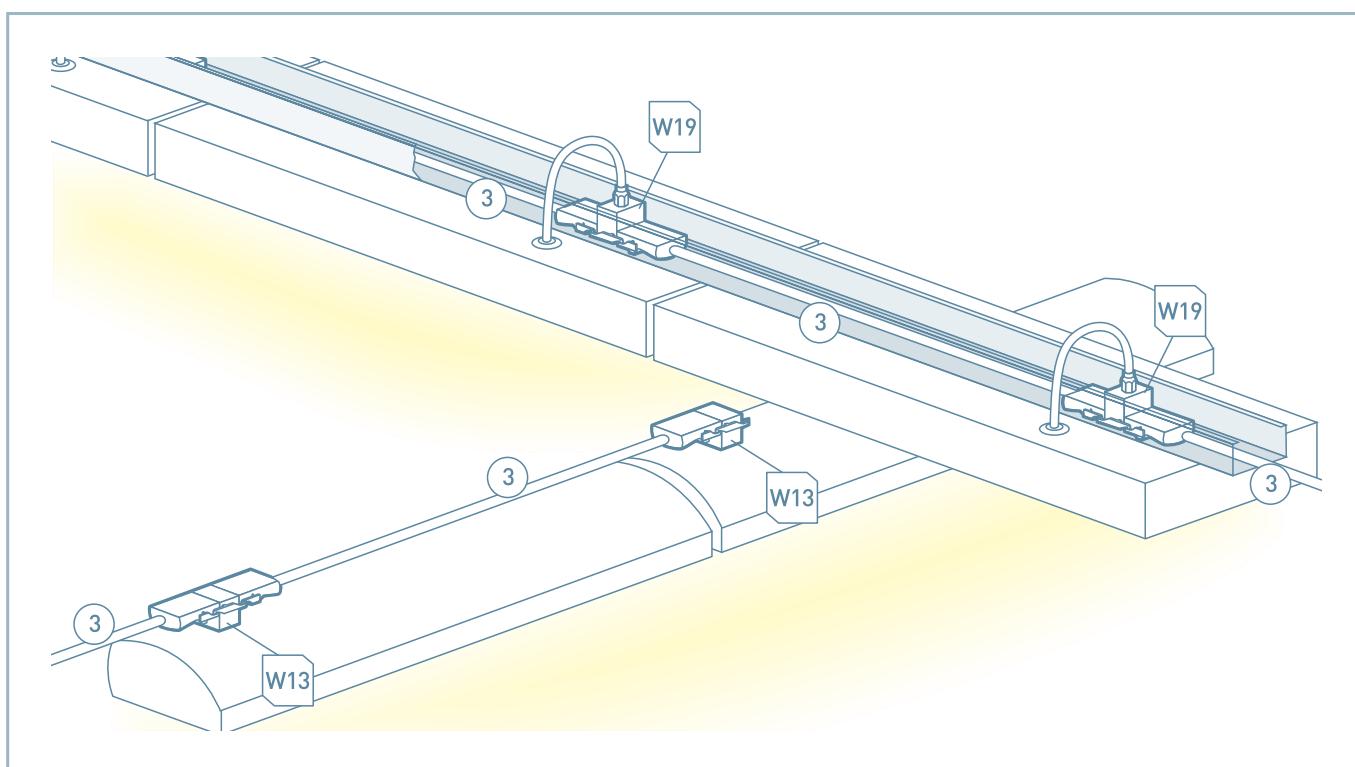
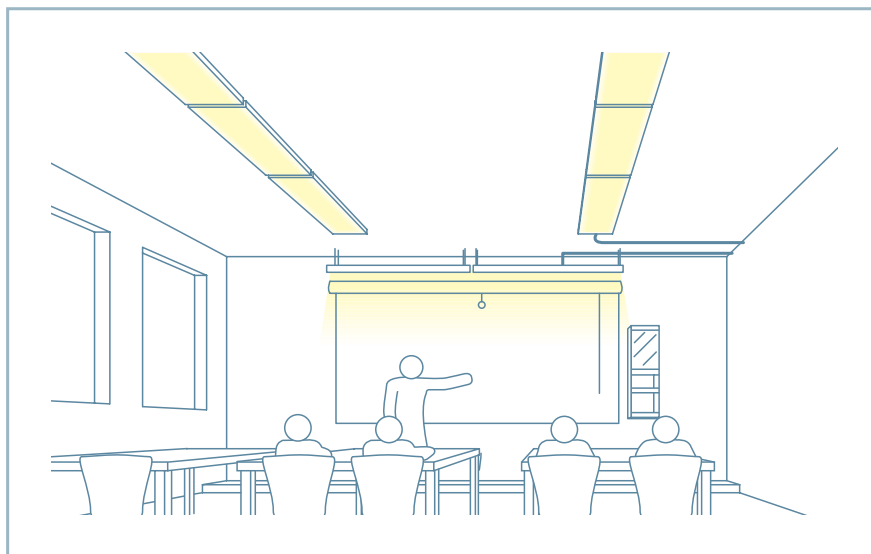


School

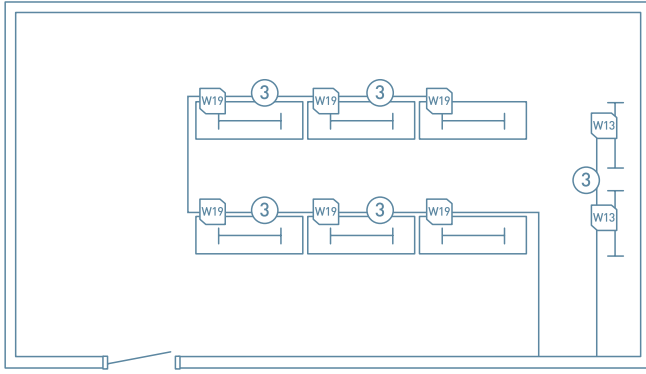
Lighting Installations with Flexible and Fixed T-distribution Block

Installation with one phase continuous and integrated or flexible T-distribution block.

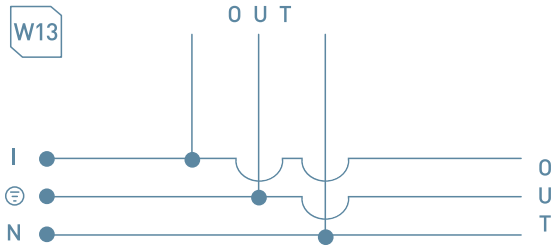
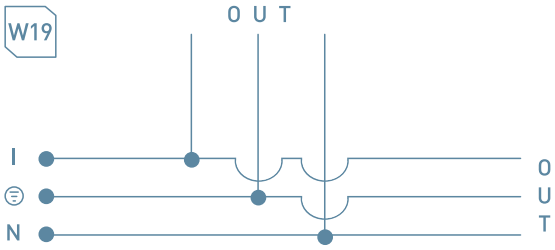
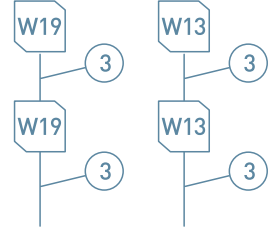
This solution can also be used in
- Shop
- Open-plan office



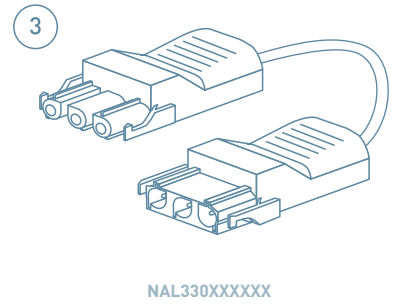
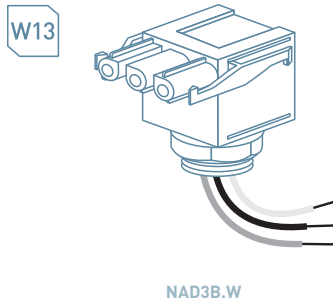
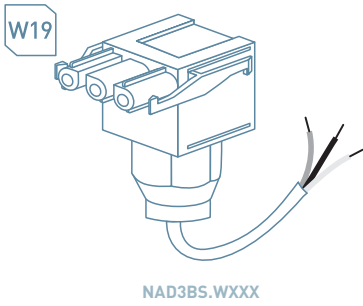
WIRING AND CIRCUIT DIAGRAM



- W19** NAD3BS.WXXX
- W13** NAD3B.W
- 3** NAL330XXXXXX



PRODUCTS



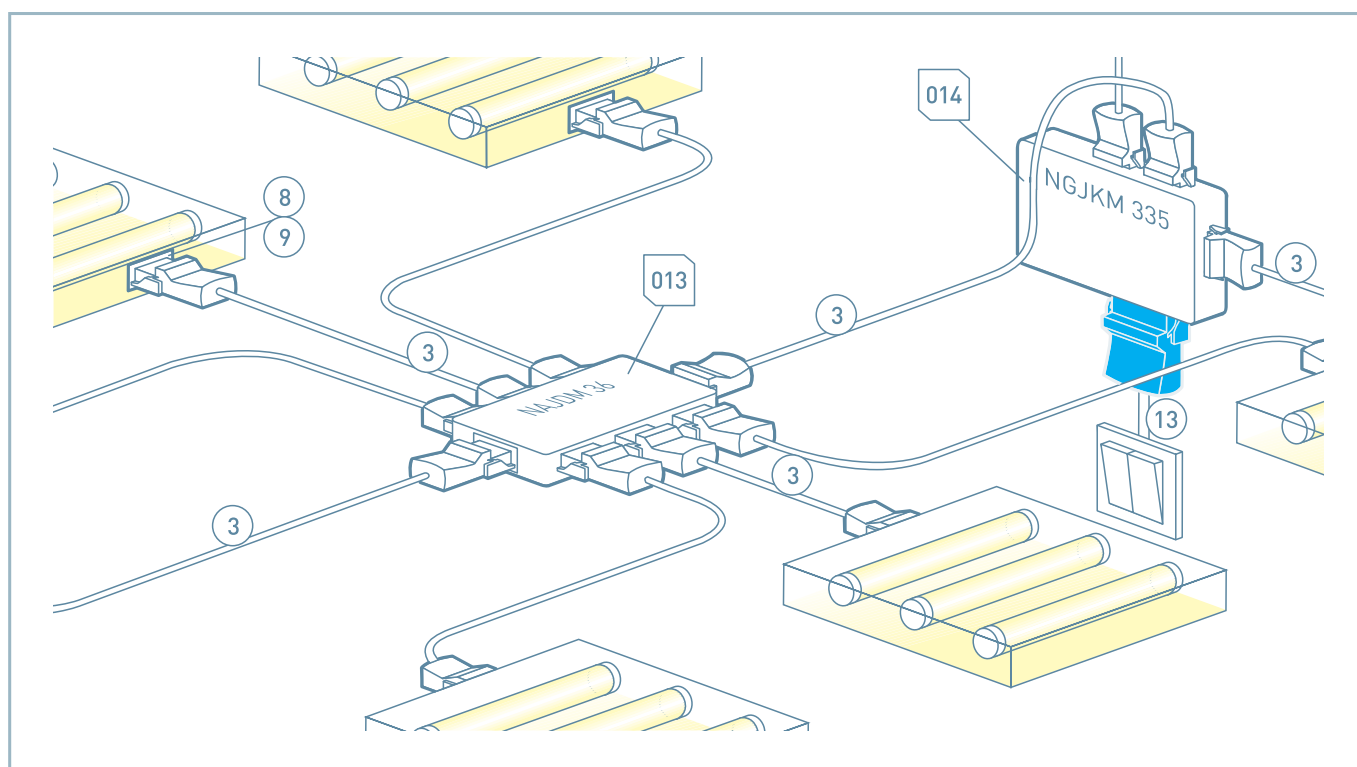
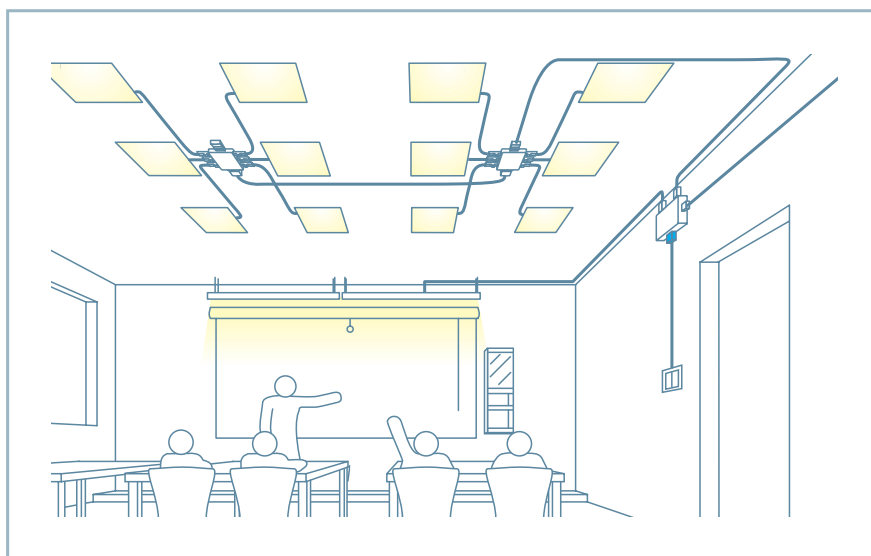
School

Lighting Installation with Distribution and Power Control Boxes

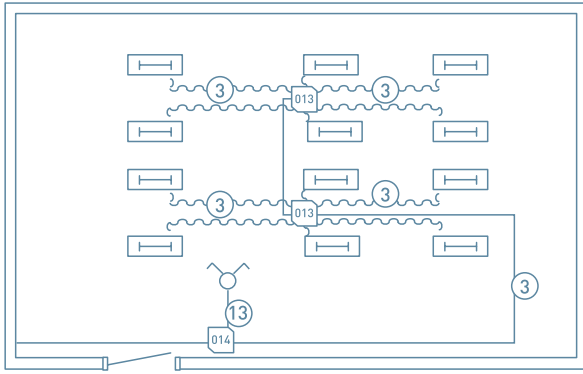
Installation with one phase continuous supply and on/off-switching of two separate branching combined with six outgoing to light fittings.

This solution can also be used in

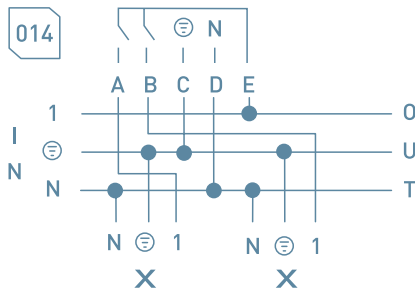
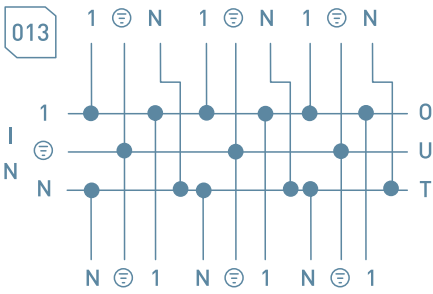
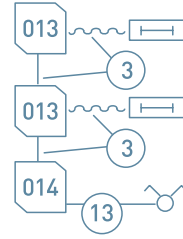
- Meeting room
- Shop
- Hotel
- Hospital
- Workroom
- Corridor



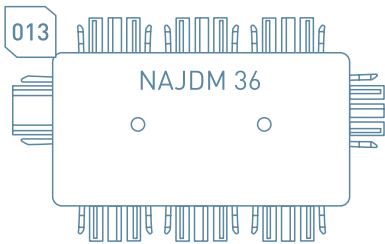
WIRING AND CIRCUIT DIAGRAM



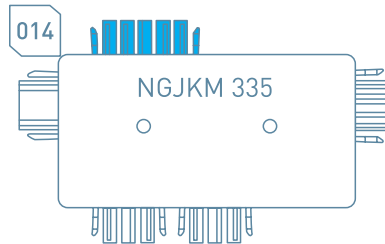
- 013 NAJDM 36
- 014 NGJKM 335
- 3 NAL330XXXXXX
- 13 NBL510XXXXXS
- SWITCH, 2-POLE



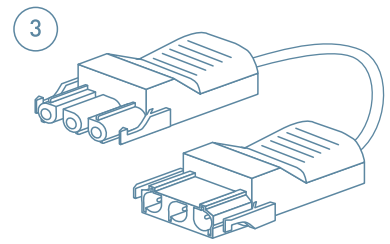
PRODUCTS



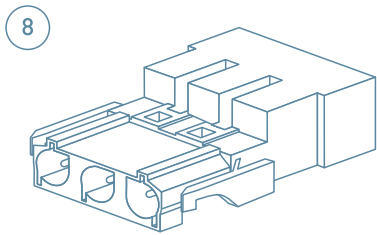
NAJDM 36



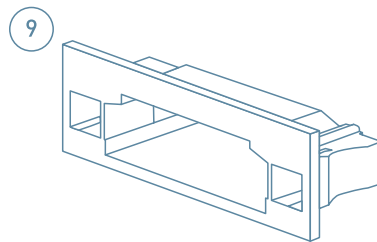
NGJKM 335



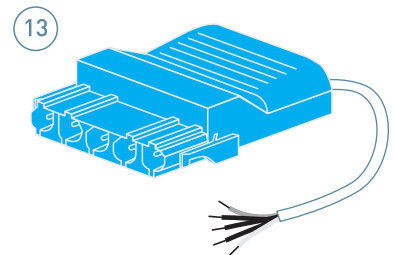
NAL330XXXXXX



NAS31.W

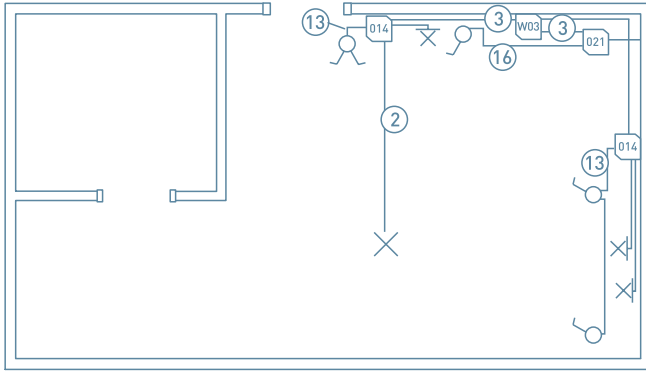


NK3P.W

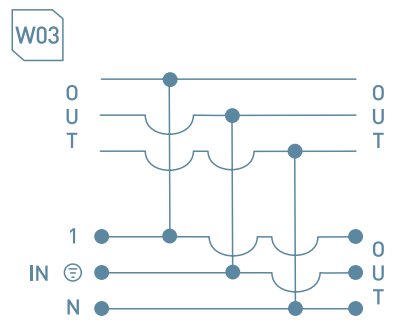
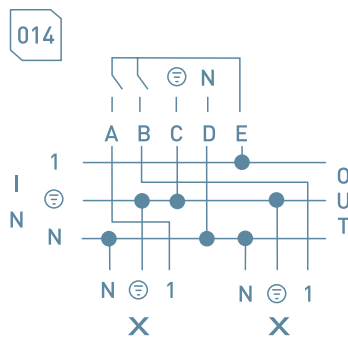
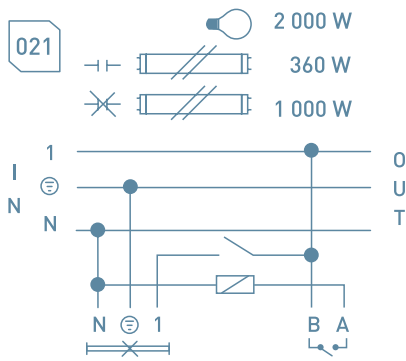
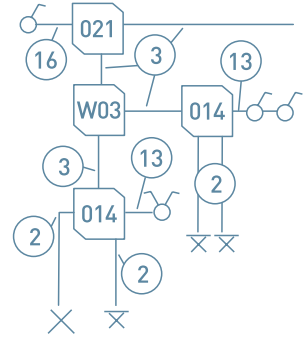


NBL510XXXXXS

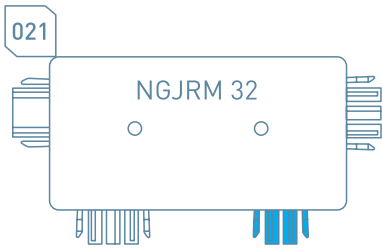
WIRING AND CIRCUIT DIAGRAM



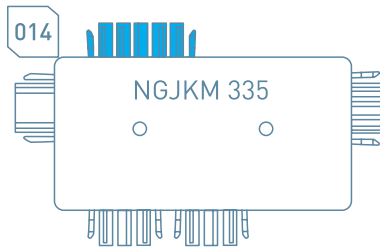
- 021 NGJRM 32
- 014 NGJKM 335
- W03 NAD3.W
- 2 NAL310XXXXXX
- 3 NAL330XXXXXX
- 13 NBL510XXXXXS
- 16 NBL210XXXXXS
- KEY CARD SWITCH
- SWITCH, 2-POLE



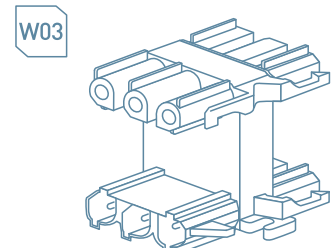
PRODUCTS



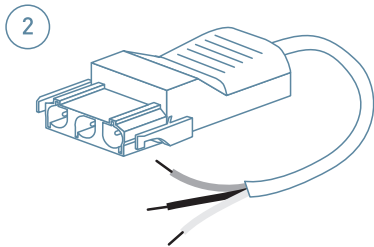
NGJRM 32



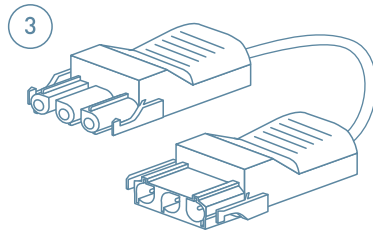
NGJKM 335



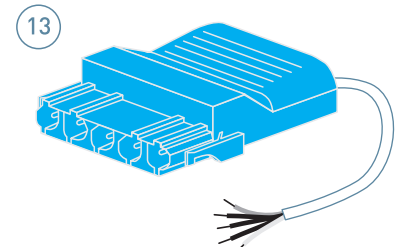
NAD3.W



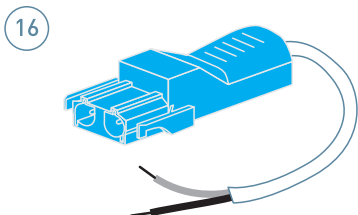
NAL310XXXXXX



NAL330XXXXXX



NBL510XXXXXS



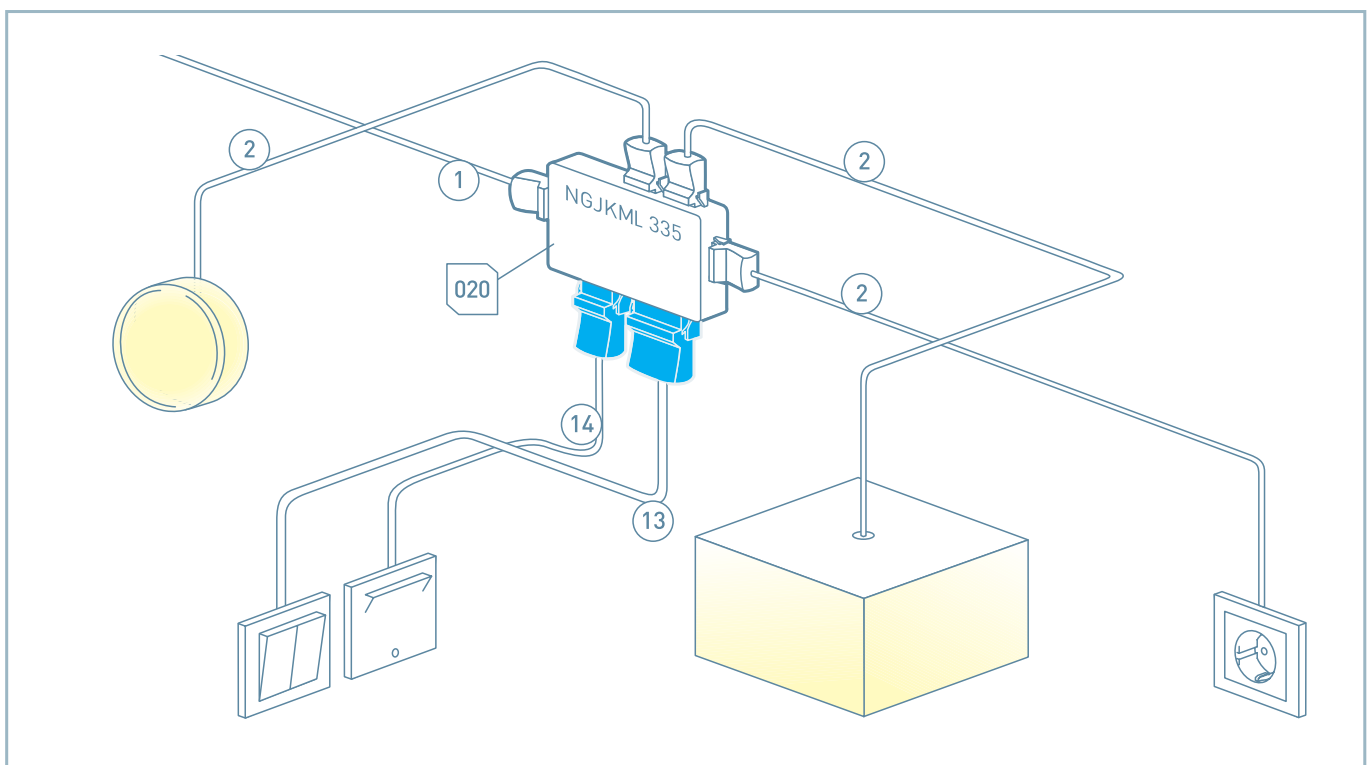
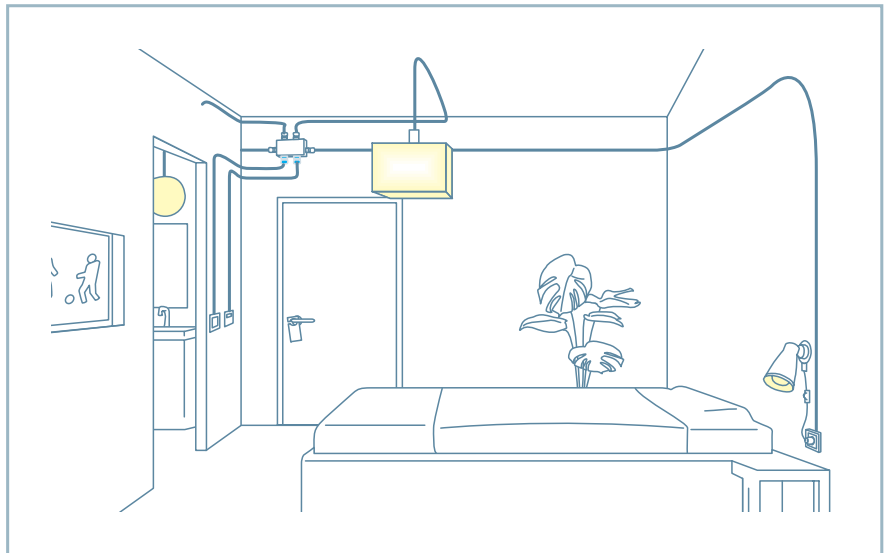
NBL210XXXXXS

Hotel Room

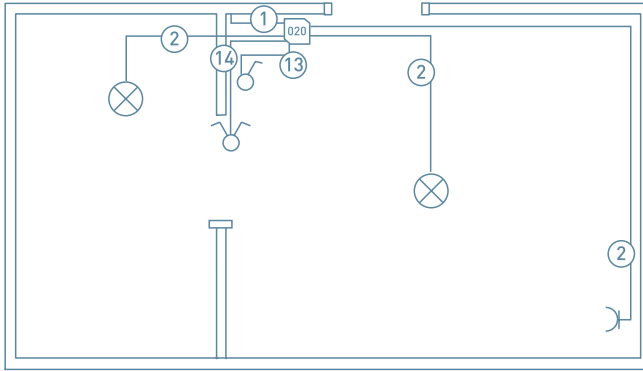
Installation Solution with Power Control Box

Installation with one phase continuous supply and on/off switching via a key card switch and a double switch. Branching to two separate light fittings.

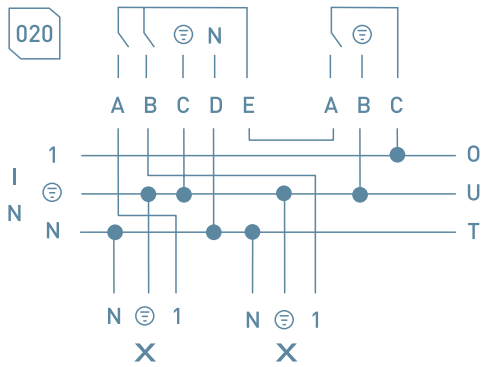
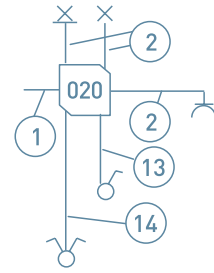
This solution can also be used in
- Cabins in cruise ship



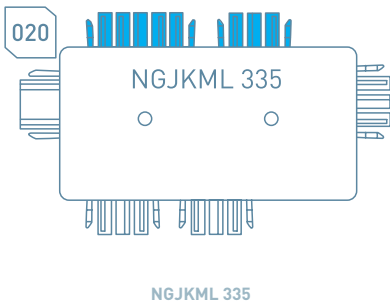
WIRING AND CIRCUIT DIAGRAM



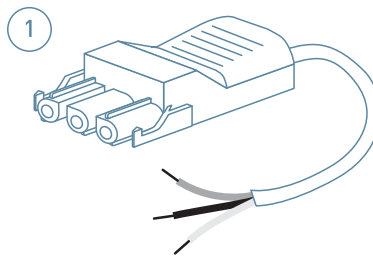
- 020 NGJKML 335
- 1 NAL130XXXXXX
- 2 NAL310XXXXXX
- 13 NBL510XXXXXS
- 14 NBL310XXXXXS
- KEY CARD SWITCH
- SWITCH, 2-POLE



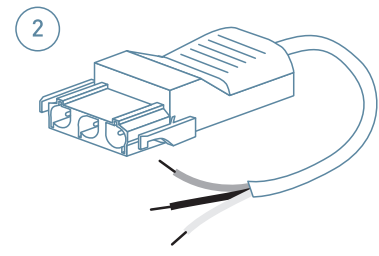
PRODUCTS



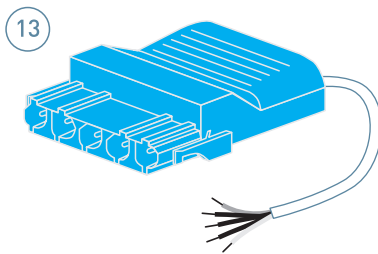
NGJKML 335



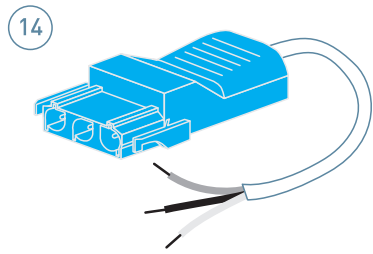
NAL130XXXXXX



NAL310XXXXXX

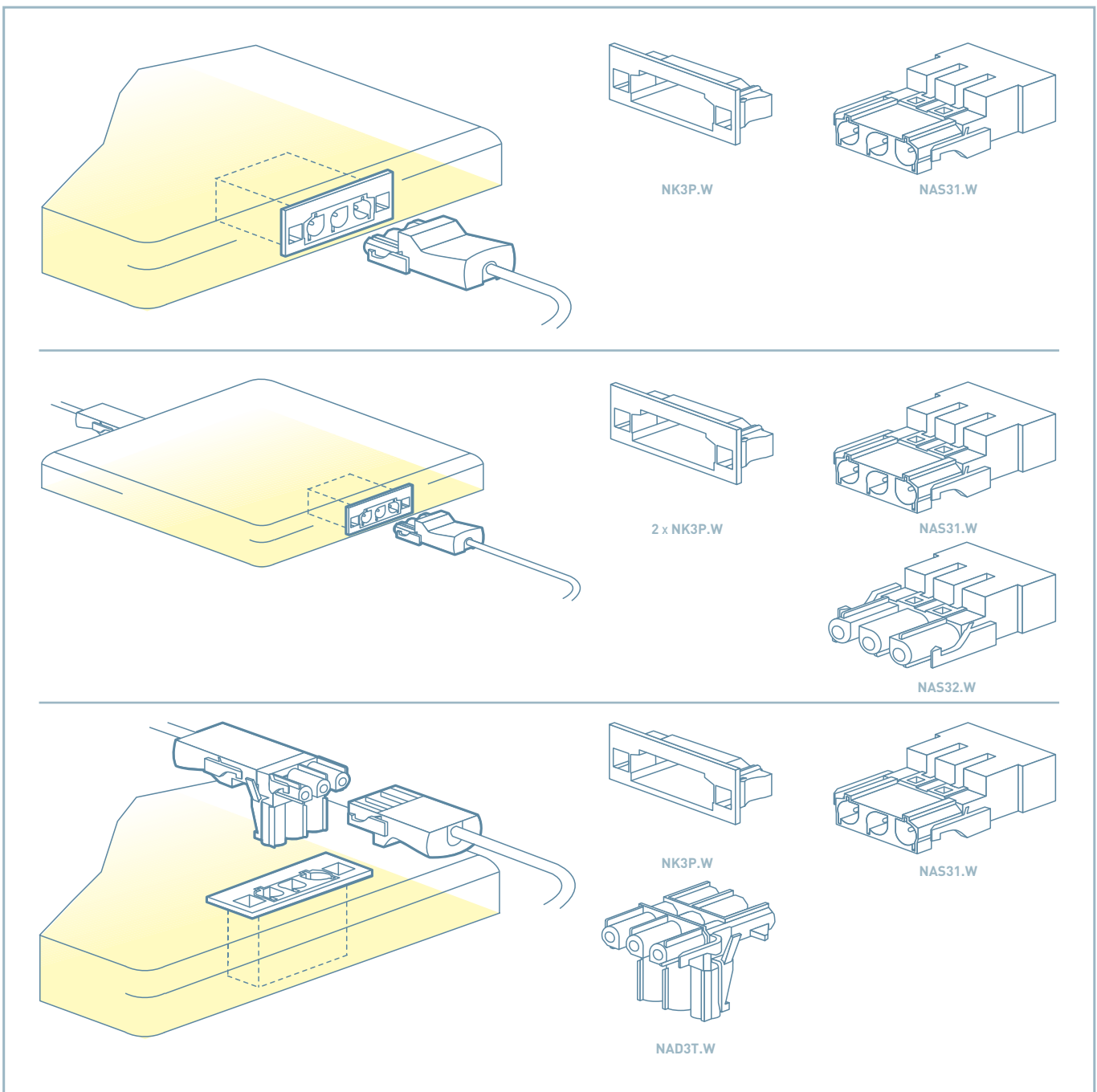


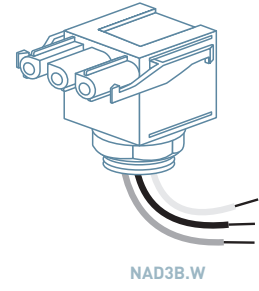
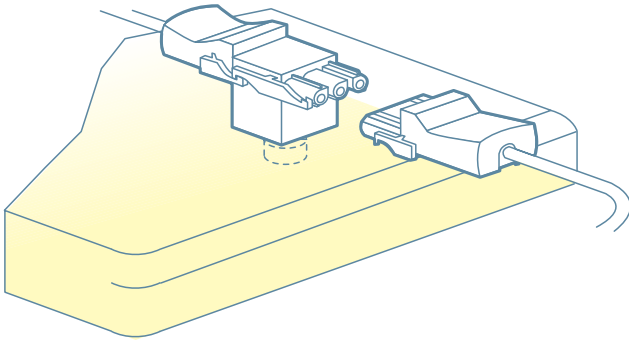
NBL510XXXXXS



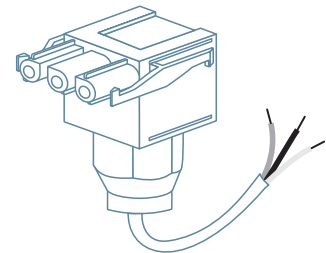
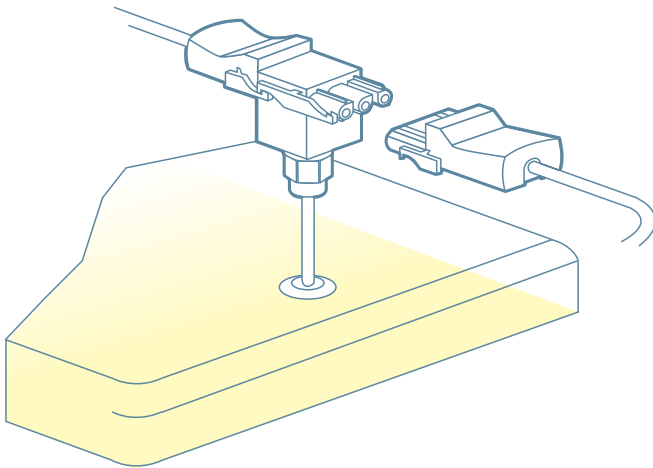
NBL310XXXXXS

Light Fitting Connections

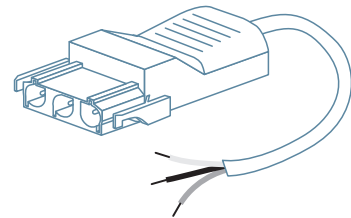
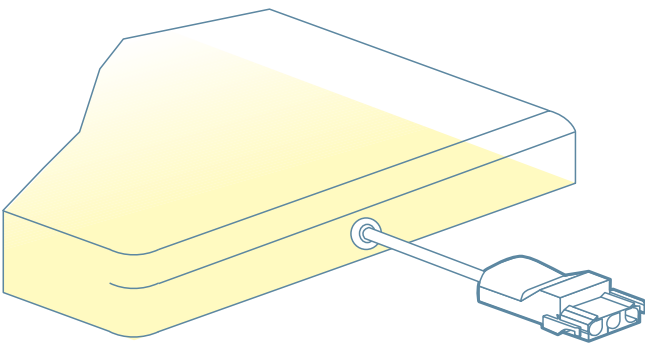




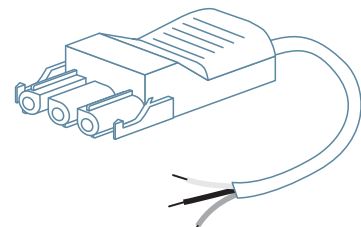
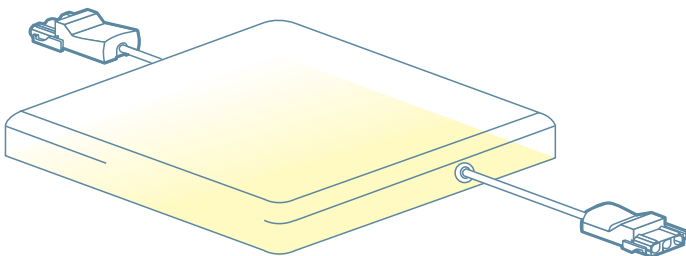
NAD3B.W



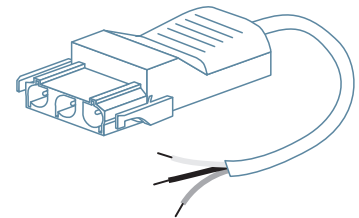
NAD3B5.WXXX



NAL310XXXXXX



NAL130XXXXXX



NAL310XXXXXX

Installation System

Recommended usage or color codes.



NAL....
• POWER SUPPLY



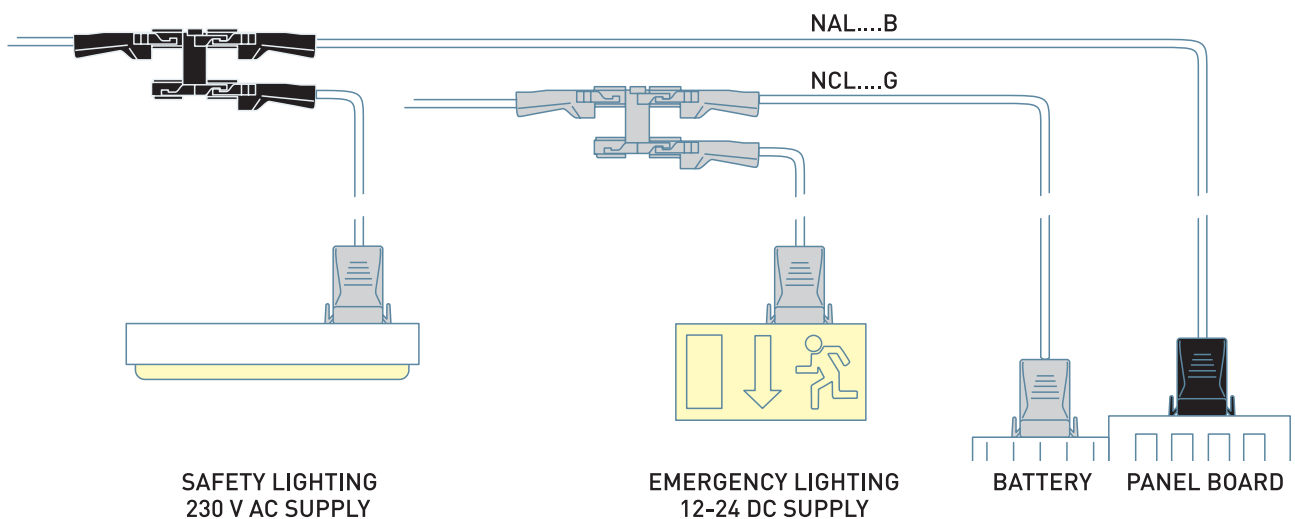
NAL....B
• SECURED SUPPLY (UPS)
• SAFETY OR EMERGENCY LIGHTING
(230 V SUPPLY)

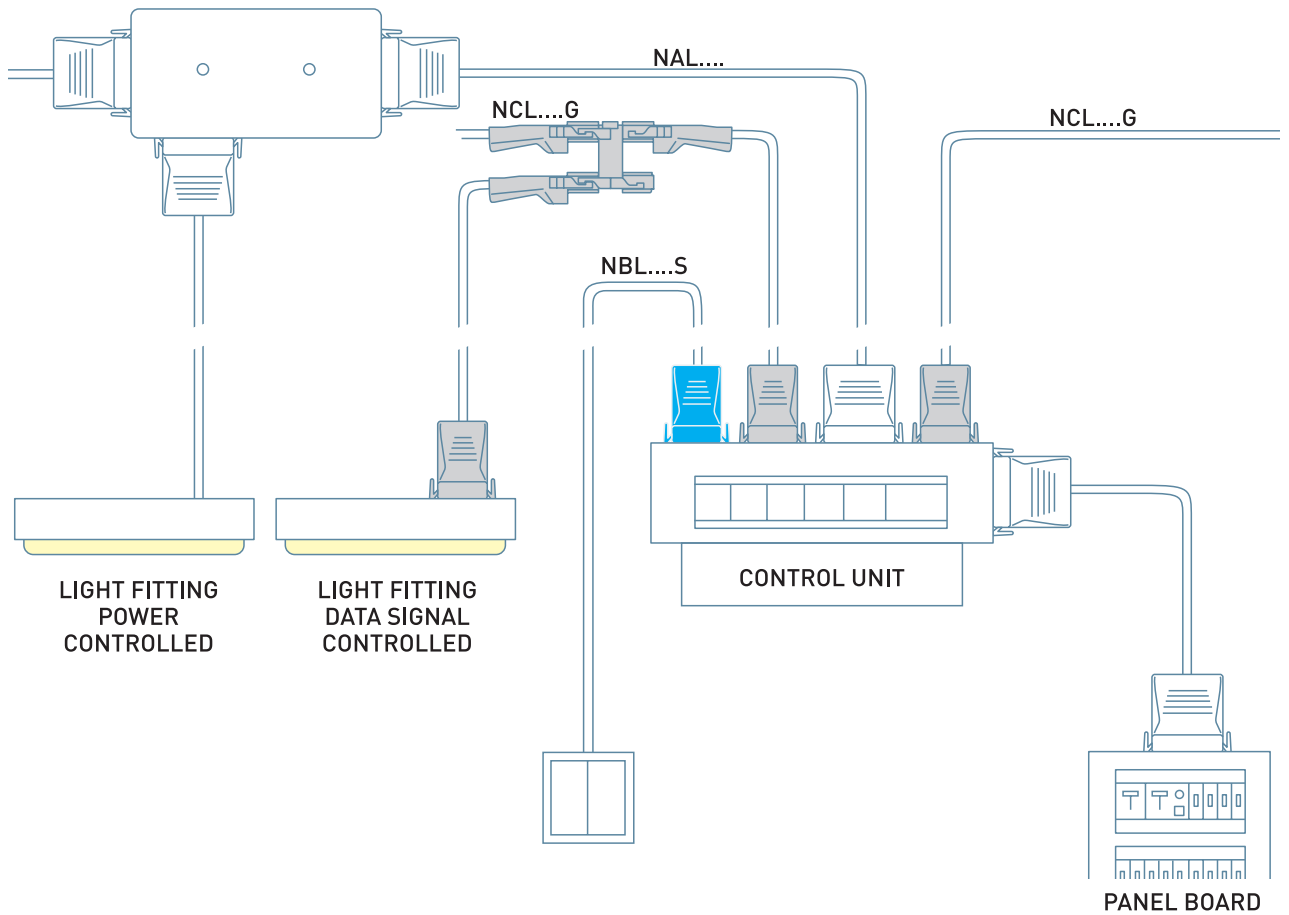
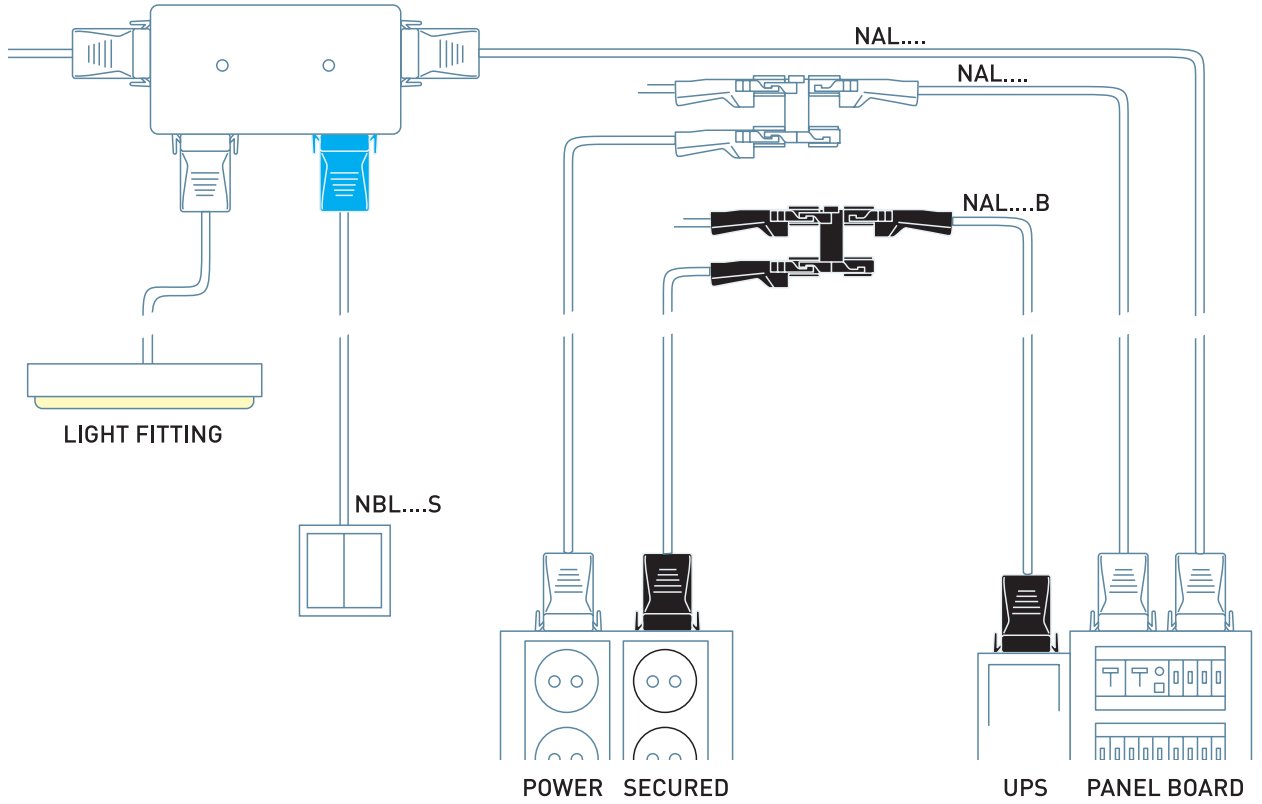


NBL....S
• CONTROLS (SWITCH, PIR- DETECTOR, OTHER
POWER CONTROLS)
• SUPPLY FOR SPECIFIED USE BY DESIGNER









NCL....G
• POWER / SMALL VOLTAGE CONTROLS (EIB, LON,
DALI, OTHER DATA SIGNALS, DIMMING, ETC)
• SAFETY OR EMERGENCY LIGHTING (24 V SUPPLY)

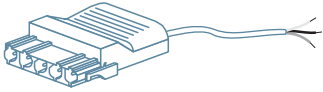
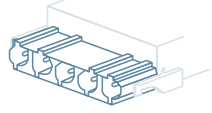
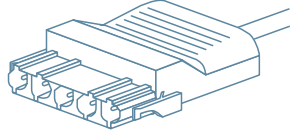
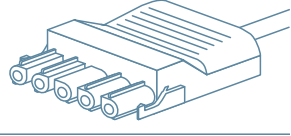







Product Code Key for Couplers and Accessories

N	A	C	2	1	S	H.W		
N								N = Net (product group)
	A B C							<p>A = standard coding (mechanical coding) B = second mechanical coding C = third mechanical coding The standard coding is A, the identifying colour of which is white or black. These are compatible with each other.</p> <p>The second mechanical coding is the B coding, identifying the colour blue or beige. The B coding is not mechanically compatible with the A or C coding.</p> <p>The third mechanical EnstoNet coding is the C coding, identifying the colour grey or red. The C coding is not compatible with the A or B connectors.</p> <p>G as second character shows that e.g. in the junction box there are couplers with both A and B coding. Accessories independent of coding do not have a second character.</p>
		C D E J K L P S						<p>C = coupler D = distribution block E = PCB couplers J = junction box K = accessory L = prefabricated lead P = socket outlet box S = screwless coupler</p>
			2					2 = 2-poles, etc.
				1 2				<p>1 = installation plug (load side) 2 = installation socket (supply side)</p>
					S D K R			<p>S = strain-relief In the boxes the additional attribute shows, that: D = distribution box K = switchbox R = switchbox with a relay</p>
						H M D DL		<p>H = narrow coupler without latches M = plastic D = strain relief for two cables DL = strain relief for two thinner cables</p>
							W	<p>W = white  F = beige  colour of the coupler B = black  G = grey  S = blue  P = red </p>

Product Code Key for EnstoNet Prefabricated Leads

N A L 3 3 0 M 1 5 0 1 0 B													
N												N = Net	
	A B C											A = standard coding B = second mechanical coding C = third mechanical coding	mechanical coding 
		L										L = lead	
			1 2 3 4 5									1 = stripped, free other end 2 = 2-pole plug 3 = 3-pole plug 4 = 4-pole plug 5 = 5-pole plug	shows the male end 
				1 2 3 4 5								1 = stripped, free other end 2 = 2-pole socket 3 = 3-pole socket 4 = 4-pole socket 5 = 5-pole socket	shows the female end 
					0 1 2 3							0 = all phases connected 1 = L1 connected 2 = L2 connected 3 = L3 connected	shows the wiring
						M T						M = H05VV-F (RKK) T = S05Z1Z1-F (halogen free)	cable type
							1 2	5 5				15 = 1,5 mm ² 25 = 2,5 mm ²	cross-section of conductor 
									0 0	1 1	0 5	010 = 1 meter 015 = 1,5 meters	length of the prefabricated lead 
											B	B = black G = grey S = blue	colour of the coupler 

Color Codes and Markings for EnstoNet Connectors

20 A, 250/400V

Product Group	Coding	Colour	Pole Markings				
			2	3	4	5	
Prefabricated Leads	A	white		1, ⊕, N		1, 2, ⊕, N, 3	
	B	black		1, ⊕, N		1, 2, ⊕, N, 3	
	C	blue	A, B	A, B, C		A, B, C, D, E	
Distribution Blocks	A	grey		a+, ⊕, b-		1, N, ⊕, a+, b-	
	B	white					
	C	black					
T-Connectors	A	blue					
	B	grey					
	C	red					
T-Connectors with wires	A	white					
	B	black					
	C	blue					
T-Connectors with cable	A	grey					
	B	white					
	C	black					
Installation Couplers	A	white	1, N	1, ⊕, N	1, ⊕, N, 2	1, 2, ⊕, N, 3	
	B	black	1, N	1, ⊕, N	1, ⊕, N, 2	1, 2, ⊕, N, 3	
	B	blue	A, B	A, B, C		A, B, C, D, E	
	B	beige		A, B, C		A, B, C, D, E	
	C	grey	a+, b-	a+, ⊕, b-		1, N, ⊕, a+, b-	
	C	red		1, ⊕, N		1, 2, ⊕, N, 3	
Screwless Installation Couplers	A	white	1, N	1, ⊕, N	1, ⊕, N, 2	1, 2, ⊕, N, 3	
	B	black			1, ⊕, N, 2	1, 2, ⊕, N, 3	
	B	blue	A, B	A, B, C			
	C	beige		A, B, C			
PCB-Couplers (Socket)	A	grey	a+, b-	a+, ⊕, b-			
	B	white					
	C	black					
PCB-Couplers (Plug)	A	white				1, 2, ⊕, N, 3	
	B	blue				A, B, C, D, E	

	Standard product
	Special products upon request
	Not available

Specified product information at www.ensto.com
Please choose Business Electrification > Installation System > EnstoNet



BUILDING TECHNOLOGY

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