

PHILIPS

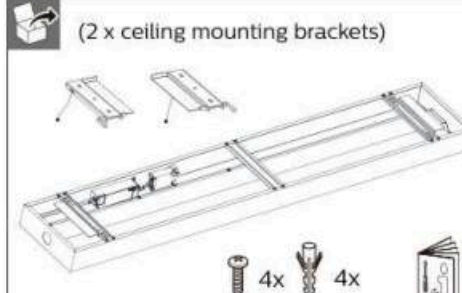
CoreLine Surface-mounted

SM136V

Scan me!
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(2 x ceiling mounting brackets)



Scan me!
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i+



Service tag









**50Hz
60Hz**

**220V
240V**

**LIFE
L90
50k hrs**

**LIFE
L80
100k hrs**

IP20

IK03

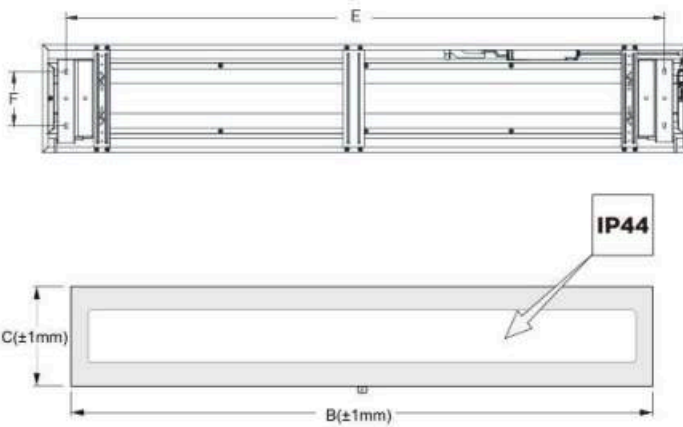
Max.
40 °C
Min.
-10 °C





	System power (W)	Luminaire luminous flux (lm)	Efficacy (lm/W)	Energy efficacy class	CCT (K)	UGR	Class	kg
SM136V G4 36_45_60S/840 PSU W20L120 NOC	23*/29/38.5	3600*/4500/6000	157*/155/156	C	4000	25	II	3.4
SM136V G4 36_45_60S/840 PSU W20L120 OC	23*/29/38.5	3600*/4500/6000	157*/155/156	C	4000	19	II	3.6
SM136V G4 34_43_57S/830 PSD W20L120 OC	23*/29/38.5	3400*/4300/5700	148*/148/148	C	3000	19	II	3.6
SM136V G4 36_45_60S/840 PSD W20L120 OC	23*/29/38.5	3600*/4500/6000	157*/155/156	C	4000	19	II	3.6
SM136V G4 40S/830 WIA W20L120 OC	27.5	4000	145	C	3000	19	II	3.6
SM136V G4 43S/840 WIA W20L120 OC	27.5	4300	156	C	4000	19	II	3.6
SM136V G4 36_45_68S/840 PSU W20L157 OC	22.5*/29/43.5	3600*/4500/6800	160*/155/156	C	4000	19	II	4.4
SM136V G4 34_43_65S/830 PSU W20L157 OC	22.5*/29/43.5	3400*/4300/6500	151*/148/149	C	3000	19	II	4.4
SM136V G4 36_45_68S/840 PSD W20L157 OC	22.5*/29/43.5	3600*/4500/6800	160*/155/156	C	4000	19	II	4.4
SM136V G4 34_43_65S/830 PSD W20L157 OC	22.5*/29/43.5	3400*/4300/6500	151*/148/149	C	3000	19	II	4.4
SM136V G4 40S/830 WIA W20L157 OC	27.5	4000	145	C	3000	19	II	4.4
SM136V G4 43S/840 WIA W20L157 OC	27.5	4300	156	C	4000	19	II	4.4

* Default setting



IP44

Dimensions in mm

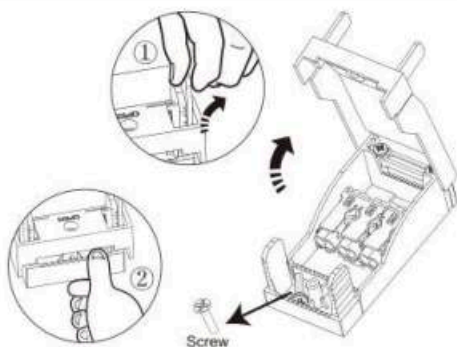
	SM136V W20L120	SM136V W20L157
A	45.5	45.5
B	1200	1570
C	200	200
D	53	53
E	1015	1385
F	100	100



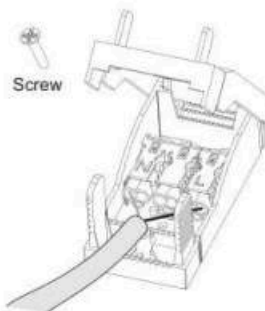
Push-in connectors



PSU/WIA



1



2

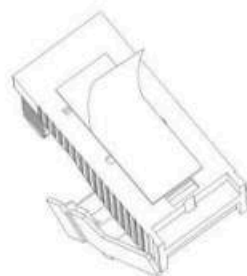


Uses click fix
0.75-1.5 mm²
Ø 6-9 mm



Needs screw fix
1-1.5 mm²
Ø 6-9 mm

3

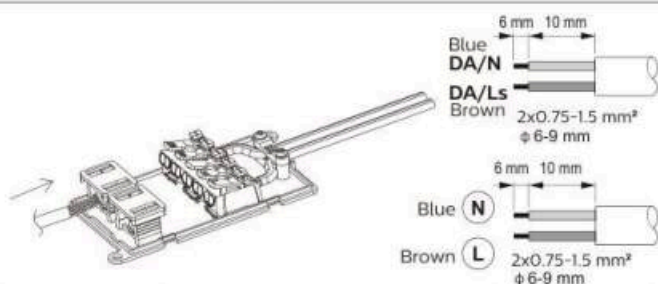
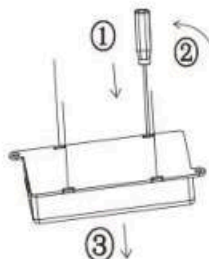


Double
sided sticker

4



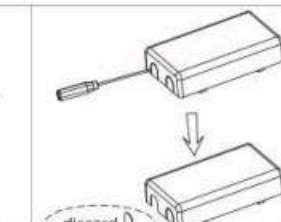
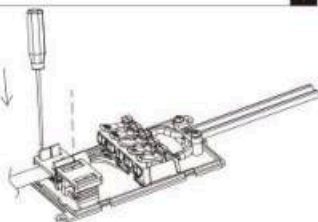
PSD



1

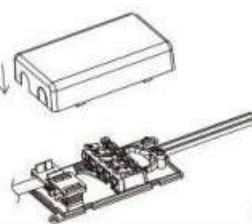
basic insulation between LV (Lower Voltage) and control conductors

2

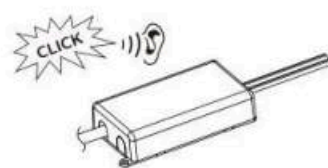


3

4



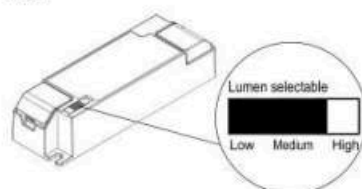
5



6

MultiLumen selection on driver

PSU



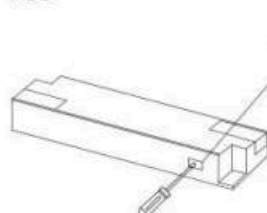
W20L120:

Switch	3,000 K (lumen)	4,000 K (lumen)	Power
Low	3.400 lm*	3.600 lm*	23 W*
Medium	4.300 lm	4.500 lm	29 W
High	5.700 lm	6.000 lm	38.5 W

W20L157:

Switch	3,000 K (lumen)	4,000 K (lumen)	Power
Low	3.400 lm*	3.600 lm*	22.5 W*
Medium	4.300 lm	4.500 lm	29 W
High	6.500 lm	6.800 lm	43.5 W

PSD



W20L120:

Switch1	Switch2	Switch3	3,000 K (lumen)	4,000 K (lumen)	Power
OFF	OFF	ON	3.400 lm*	3.600 lm*	23W*
OFF	ON	ON	4.300 lm	4.500 lm	29W
ON	OFF	OFF	5.700 lm	6.000 lm	38.5W

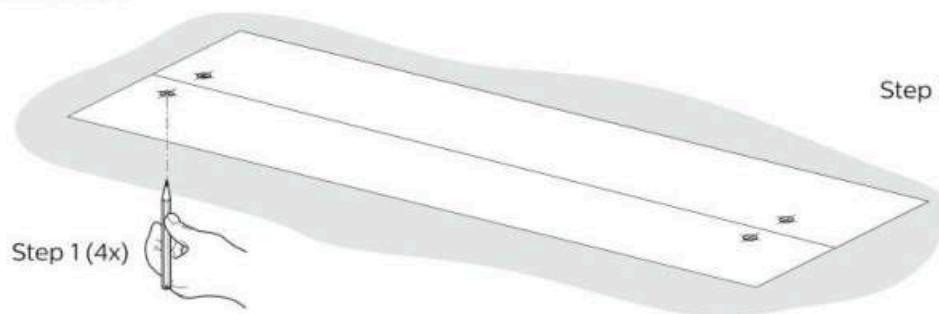
* Default setting

W20L157:

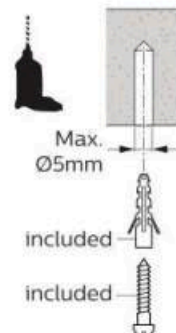
Switch1	Switch2	Switch3	3,000 K (lumen)	4,000 K (lumen)	Power
OFF	OFF	OFF	3.400 lm*	3.600 lm*	22.5 W*
OFF	ON	OFF	4.300 lm	4.500 lm	29 W
ON	OFF	ON	6.500 lm	6.800 lm	43.5 W



Surface mounted



Step 2 (4x)

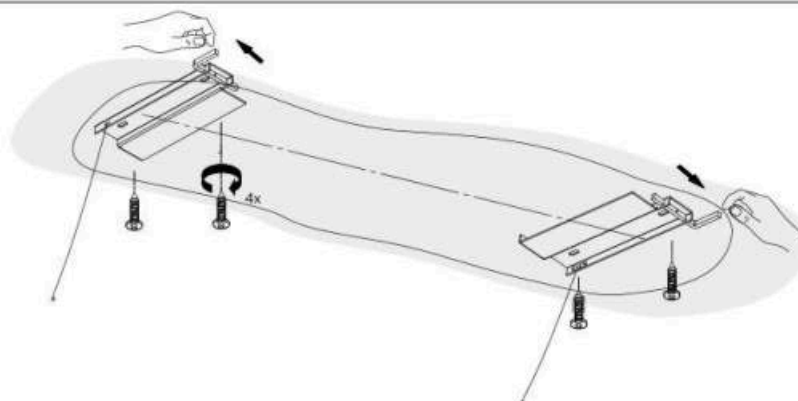


Max.
Ø5mm

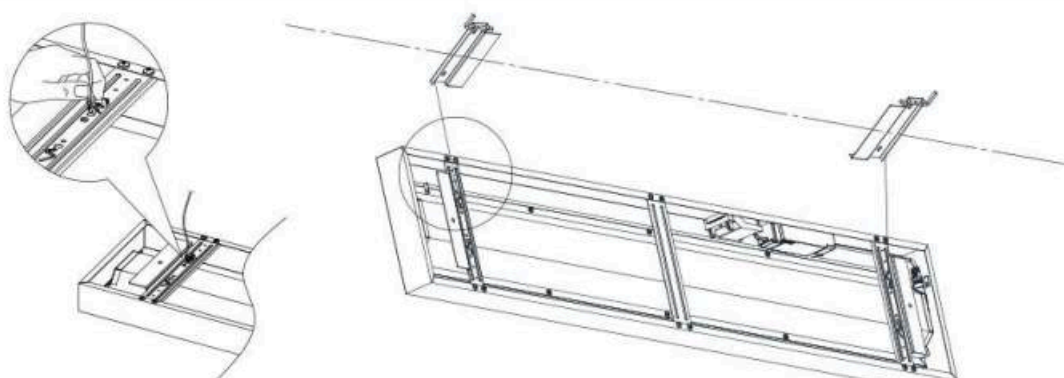
included

included

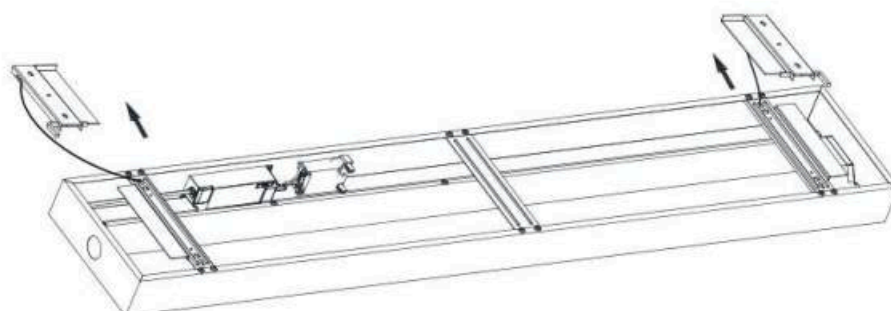
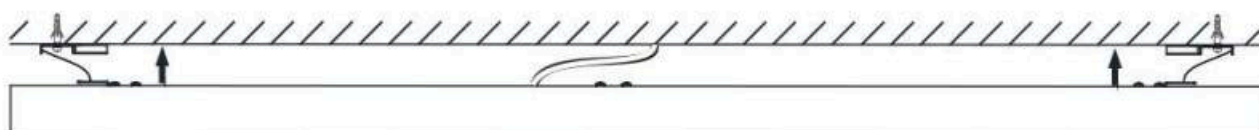
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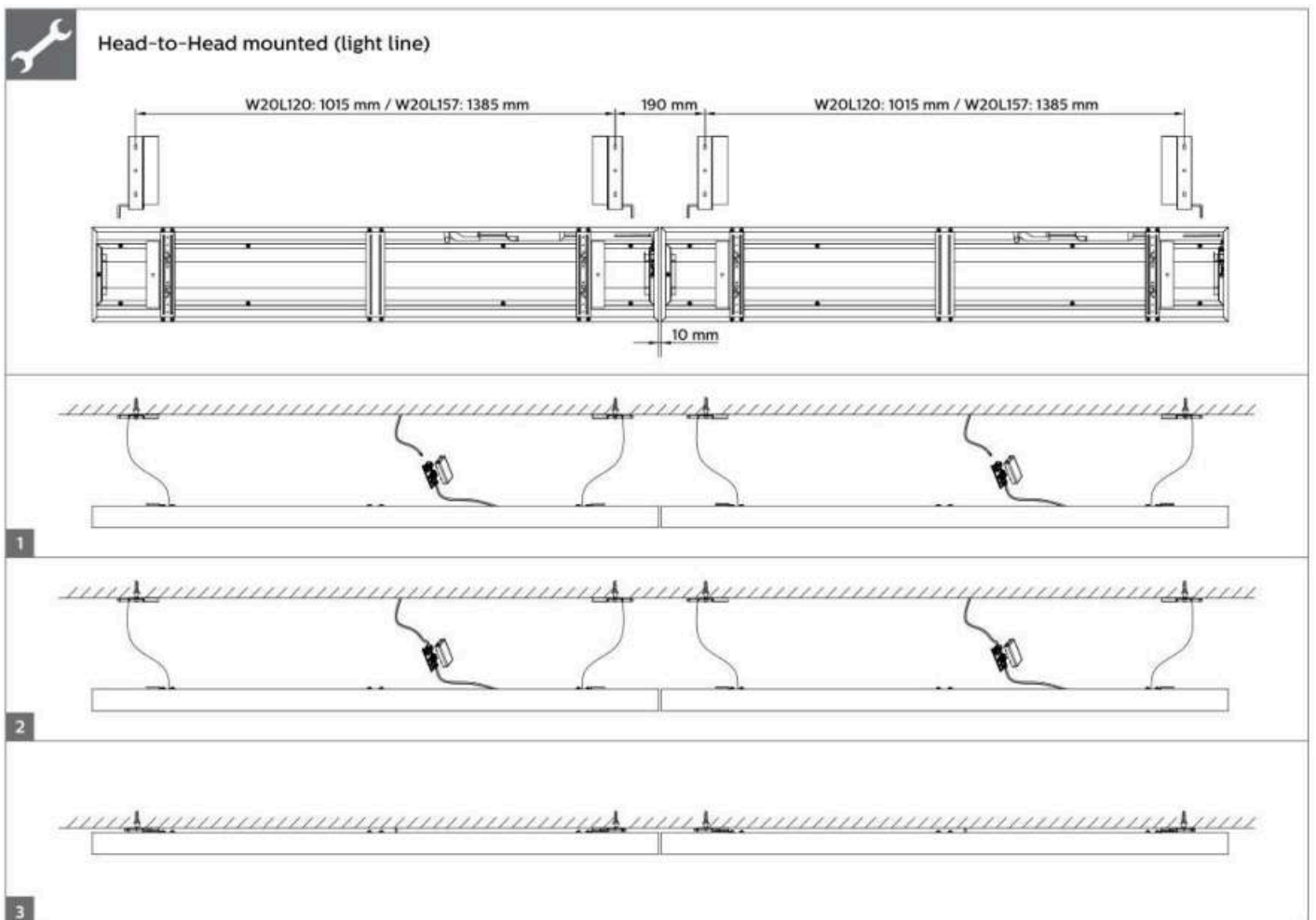
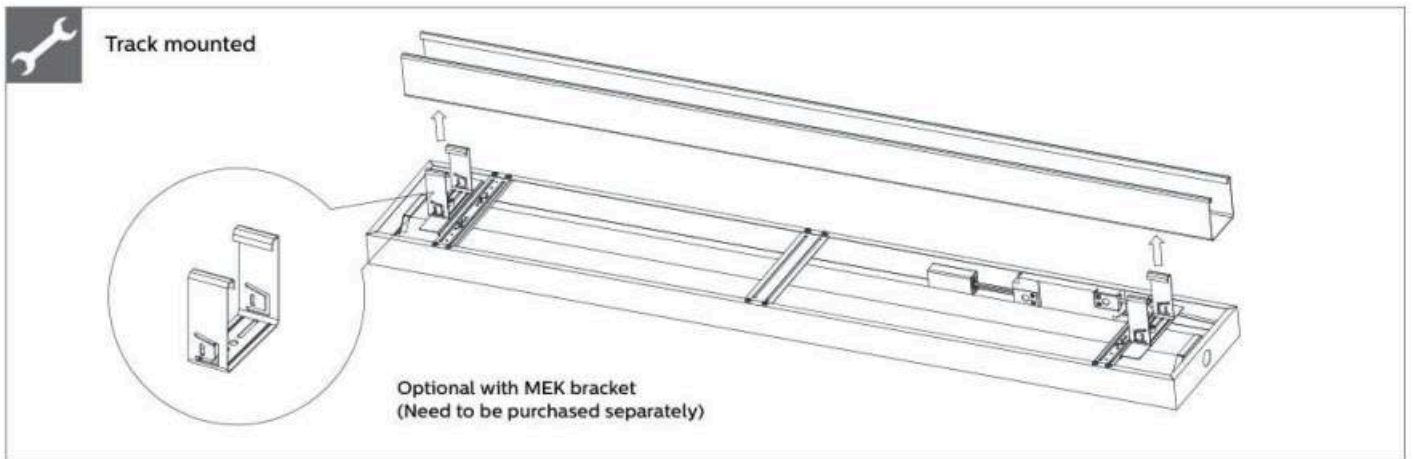
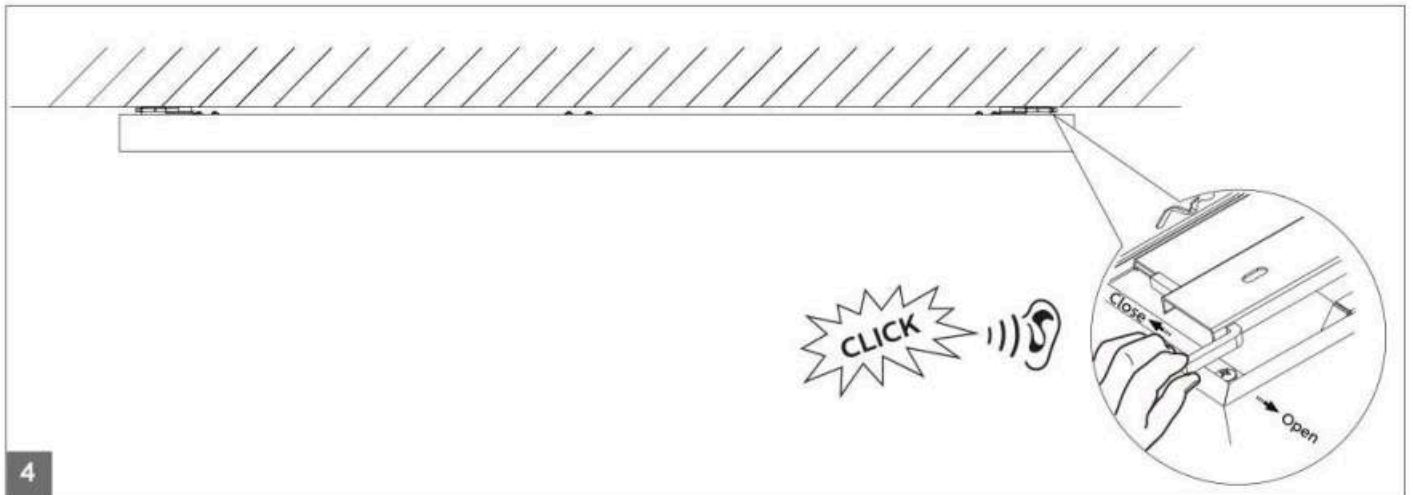


2



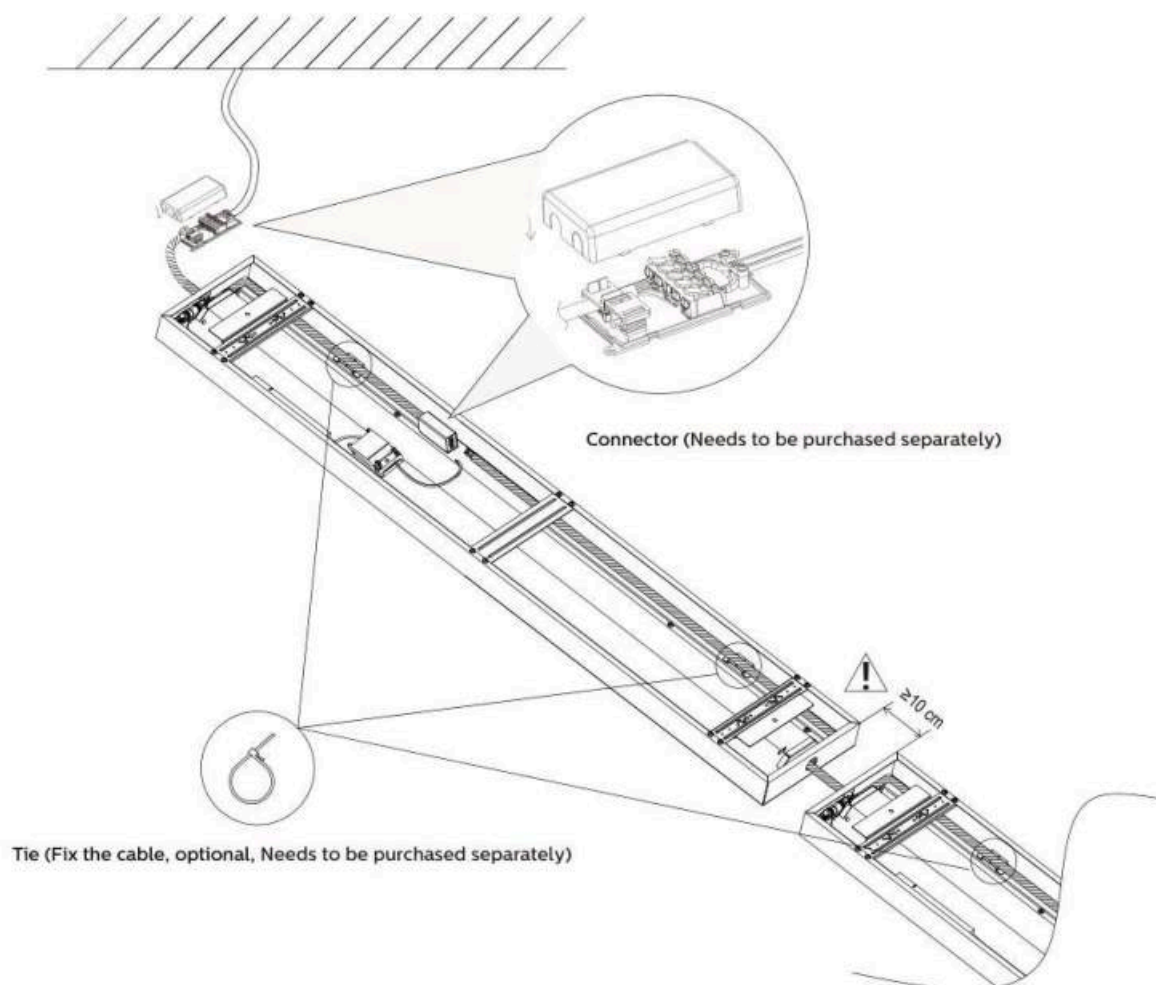
3



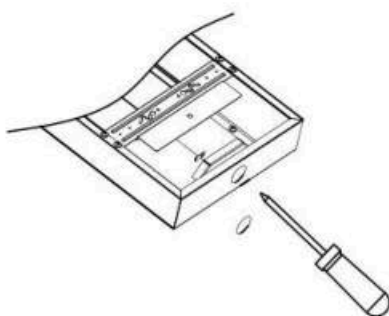




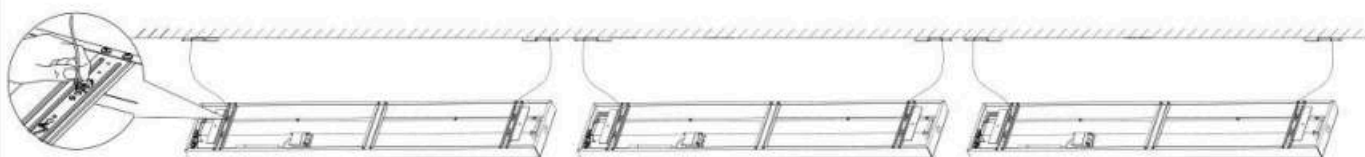
Central electrical connection / side entry electrical connection with through wiring



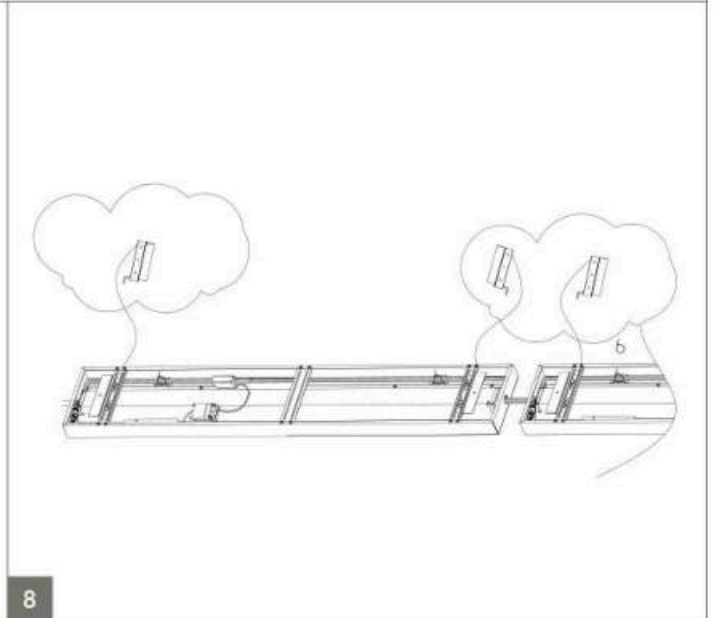
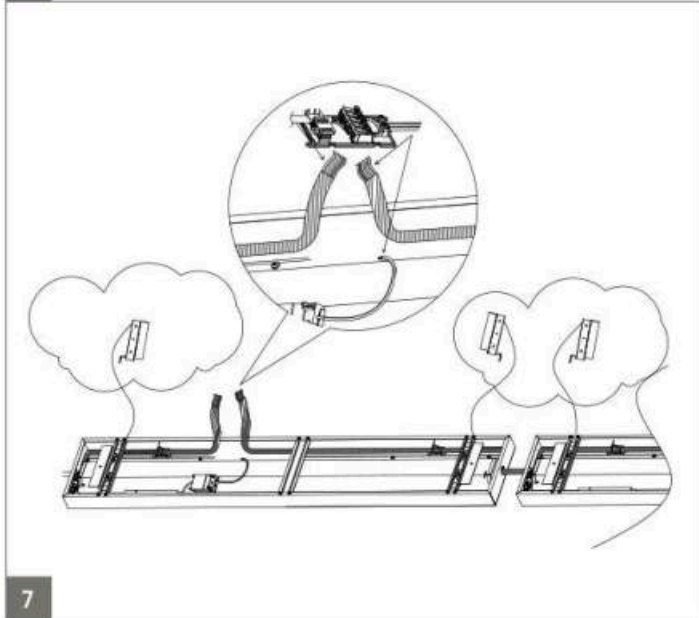
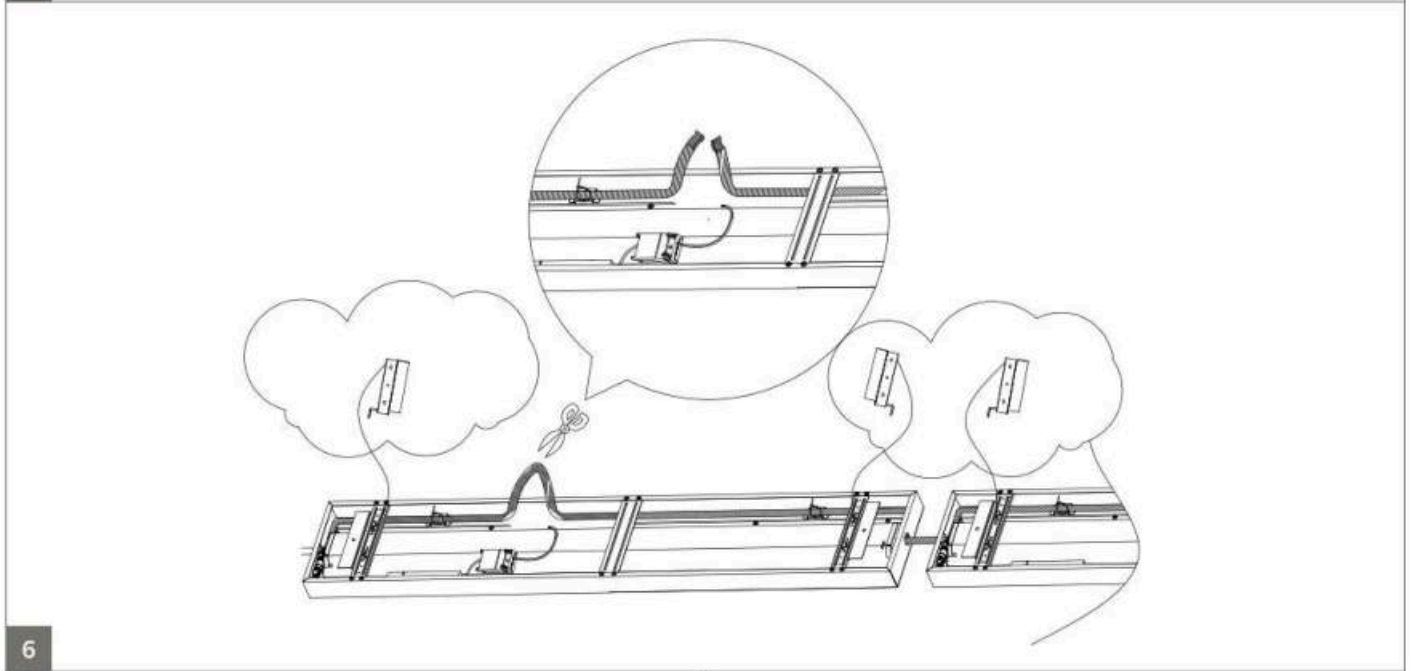
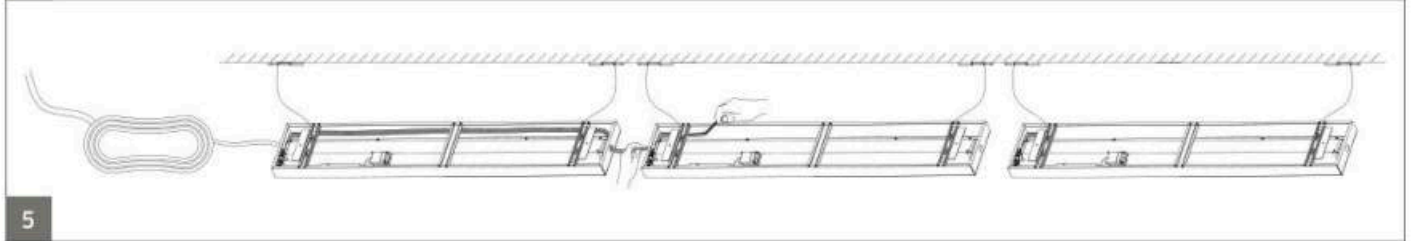
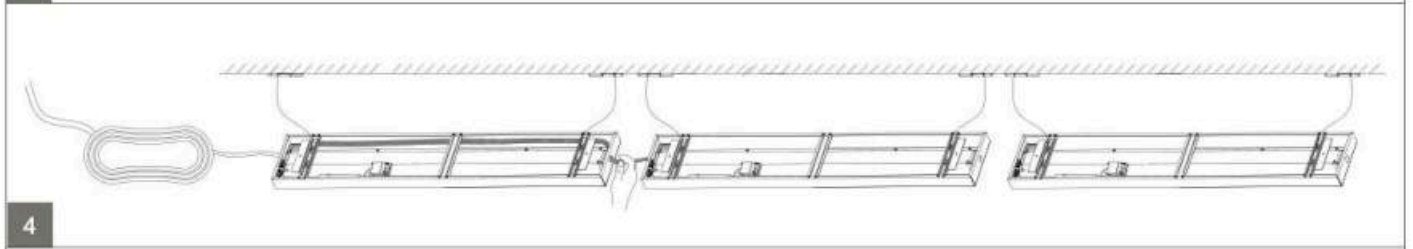
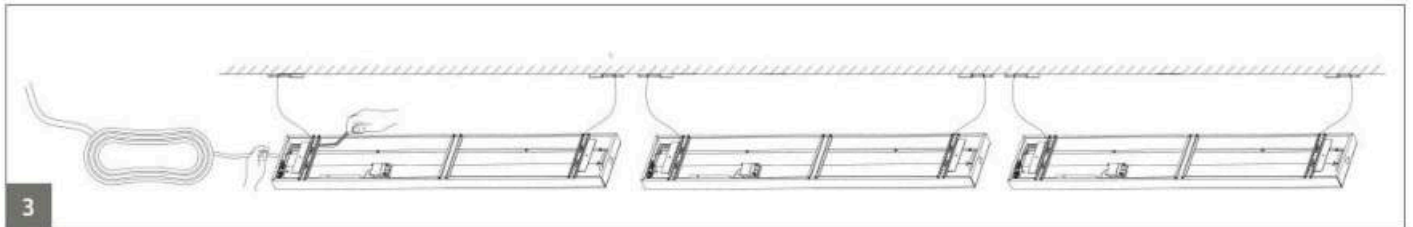
1. Direct Head-to-Head (inline) mounting.
2. Mounting with central electrical connection / side entry electrical connection with through wiring is possible - not the combination of both.
3. Through wiring cable using wires of 1.5 - 2.5 mm², maximum 15 luminaires can be connected.
4. Inline mounting is possible and through wiring is possible, but not the combination.



1



2



Inrush current

The graph illustrates the inrush current characteristics. The vertical axis represents the main current I_{mains} in Amperes (A), and the horizontal axis represents time in microseconds (us). The curve starts at the origin, rises to a peak value I_{max} , and then decays towards a nominal current level $I_{nom.}$. The time interval T_{ref} is marked as the time taken for the current to reach half of its peak value, $I_{max}/2$.

	PSU			PSD			WIA
W20L120	23 W	29 W	38.5 W	23 W	29 W	38.5 W	27.5 W
W20L157	22.5 W	29 W	43.5 W	22.5 W	29 W	43.5 W	27.5 W
Electrical specifications							
$I_{max}(A)$	25			5.33			4.9
T_{ref} (us)	150			40			56
MCB	No. of luminaires, max.						
B-10 A	24			46			15
B-16A	38			73			24
C-10 A	40			46			25
C-16A	64			73			40



- The luminaire shall be installed by a qualified electrician and wired in accordance with the latest IEEE electrical regulations or the national requirements.
- The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.
- Luminaire must not be used or stored in corrosive environment where hazardous materials such as Sulphur, Chlorine, Phthalates, etc, are present.
- If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
SENSITIVE
DEVICES