

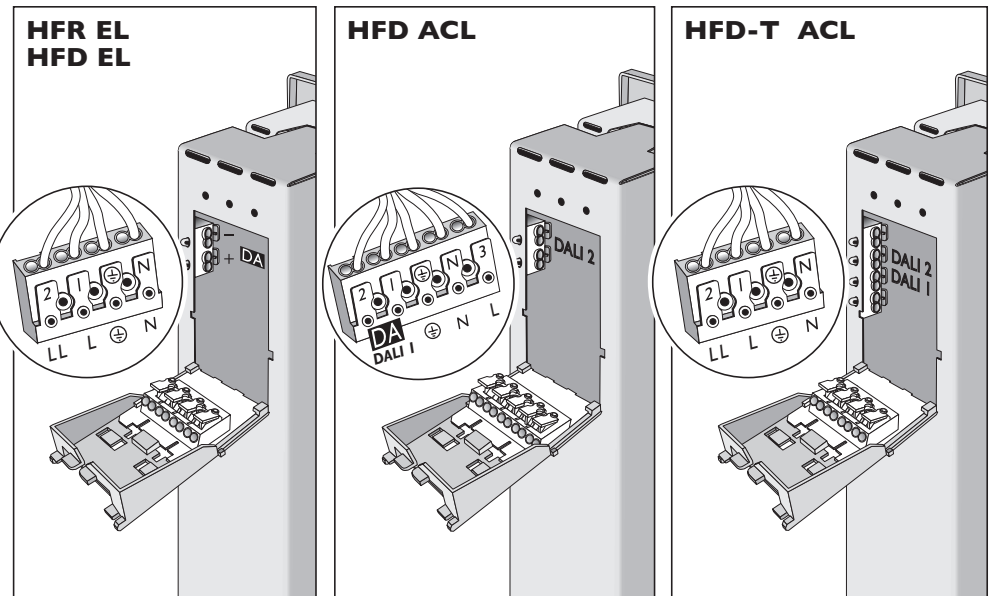
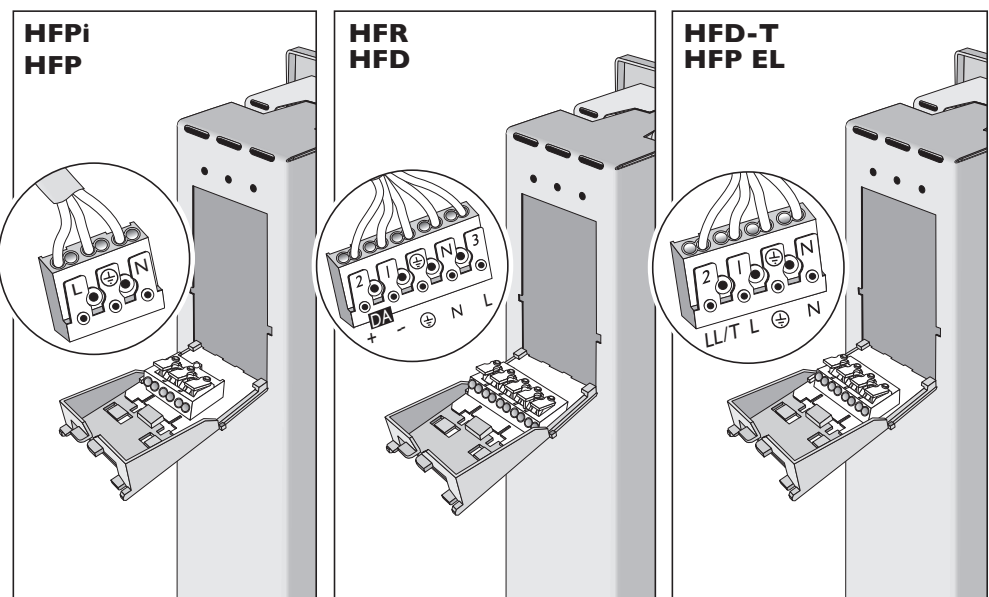


Figure 1 illustrates the connection of DALI components to the DALI interface. The diagrams are organized into two columns and three rows:

- Top Row:**
 - HFP HFPi:** Shows a connection to GST 18i3.
 - HFR HFD:** Shows connections to GST 18i3 and BST 14i2.
- Middle Row:**
 - HFD-T HFP EL:** Shows connections to GST 18i4 and a terminal block labeled LUT N 0 L.
 - HFD HFR EL:** Shows connections to GST 18i4, BST 14i2, and a terminal block labeled LUT N 0 L.
- Bottom Row:**
 - HFD ACL:** Shows connections to GST 18i3, BST 14i2, DALI 1, and DALI 2.
 - HFD-T ACL:** Shows connections to GST 18i4, BST 14i2, DALI 1, and DALI 2.

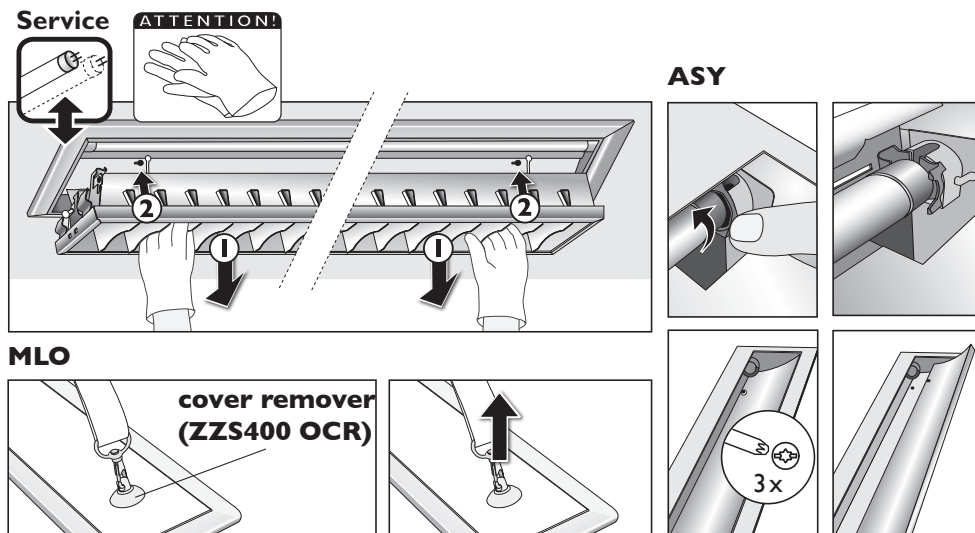
The diagrams illustrate the following configurations:

- HFP:** Shows a single switch with label 770-733.
- HFD T HFP EL:** Shows a switch with labels 770-734 and 770-733.
- HFR HFD:** Shows a switch with labels 890-732, 770-733, and DALI 1.
- HFR EL HFD EL:** Shows a switch with labels 890-732, 770-734, DALI 1, and a switch icon.
- HFD ACL:** Shows a switch with labels 890-732, 770-733, DALI 1, and DALI 2.
- HFD + ACL:** Shows a switch with labels 890-732, 770-734, DALI 1, DALI 2, and a switch icon.

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04/14

The diagrams show the internal wiring for different DALI dimmer switch models:

- HF Pi:** A single switch with terminals for **NKUP:W + NAS UI:W** (top) and **N** (bottom).
- HFP EL HFD T:** A single switch with terminals for **L** (top left), **N LL/T/SW** (top right), and **NK2P:W + NAS ZI:W** (bottom).
- HFR HFD:** A single switch with terminals for **NKUP:W + NAS UI:W** (top), **L** (top left), **N LL/T/SW** (top right), and **NK2P:W + NAS ZI:W** (bottom).
- HFP EL HFD EL:** Two switches labeled **DALI I** and **DALI 2** with terminals for **NK3P:W + NAS 3I:W** (top) and **N** (bottom).
- HFD ACL:** Two switches labeled **DALI I** and **DALI 2** with terminals for **NK3P:W + NAS 3I:W** (top) and **N** (bottom).
- HFD T ACL:** Two switches labeled **DALI I** and **DALI 2** with terminals for **NKUP:W + NAS UI:W** (top), **L** (top left), and **N LL/T/SW** (top right).



Fonctionnement optimal avec lampes Philips
Bestes Betriebsergebnis mit Philips-Lampen
Fungerer bedst med Philips-lamper
Fungerer mest optimalt med Philips-lamper
Fungerar bäst med lampor från Philips

Instructions de montage	Instrucciones de montaje	Kokoonpano- ja kiinnitysohjeet	Szerelési utasítások
Montageanleitung	Instruccíes de montagem	Montaj yónergeſi	Návod k montáži
Montage instruktie	Monteringsinstruktioner	Οδηγίες συναρμολόγηſης	ИНСТРУКЦИЯ ПО МОНТАЖУ
Istruzioni di montaggio	Monteringsvejledning	Instrukcja montażu	Návod k montáži

IP 20 - IP 40

This luminaire must be earthed.
Ce luminaire doit être mis à la terre.
Diese Leuchte muß geerdet werden.
De armatuur moet worden geaard.
Questa armatura deve essere collegata a terra.
La Luminaria debe estar conectada a tierra.

For EL-versions:
NO INSULATION

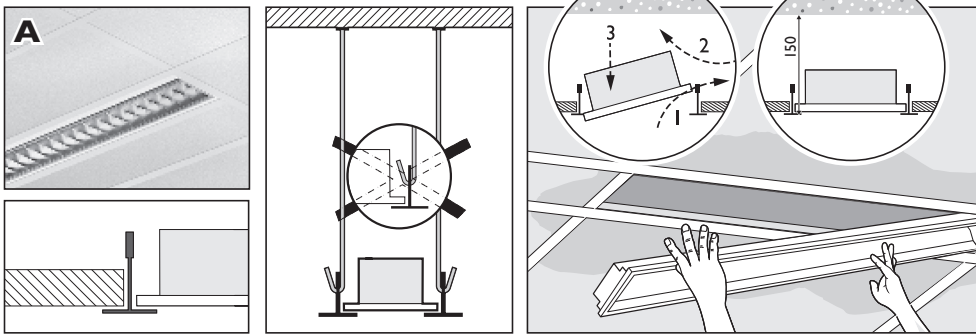
Class I

PI Push In
W Wieland/Adels (W)
EN ENSTO
WA WAGO

All dimensions are in mm		# Lamps	Power (W)	L1	W1	W1*(AIR)	H(WA+EN)	H(W/PI)	HI	C	D	E
TBS 411 (module 600)	1lps	14/24	597	90	100	80	80	98	5	11	11	11
	1lps	21/39	897	90	100	80	80	98	5	11	11	11
	1lps	28/54	1197	90	100	80	80	98	5	11	11	11
	1lps	35/49	1497	90	100	80	80	98	5	11	11	11
	2lps	14/24	597	115		89	107	5	11	11	11	
	2lps	21/39	897	115		89	107	5	11	11	11	
TBS 411 (module 600) ASYM	1lps	14/24	597	90		75	93	5	11	11	11	
	1lps	21/39	897	90		75	93	5	11	11	11	
	1lps	28/54	1197	90		75	93	5	11	11	11	
	1lps	35/49	1497	90		75	93	5	11	11	11	
	1lps	14/24	622	90		80	98	5	11	24	11	
	1lps	21/39	935	90		80	98	5	11	32	11	
TBS 412 (module 625)	1lps	28/54	1247	90		80	98	5	11	36,5	11	
	1lps	35/49	1560	90		80	98	5	11	43	11	
	2lps	14/24	622	115		89	107	5	11	24	11	
	2lps	21/39	935	115		89	107	5	11	32	11	
	2lps	28/54	1247	115		89	107	5	11	36,5	11	
	2lps	35/49	1560	115		89	107	5	11	43	11	
TBS 412 (module 625) ASYM	1lps	14/24	622	90		75	93	5	11	24	11	
	1lps	21/39	934,5	90		75	93	5	11	32	11	
	1lps	28/54	1247	90		75	93	5	11	36,5	11	
	1lps	35/49	1559,5	90		75	93	5	11	43	11	
	1lps	14/24	597		148	80	98	5	11	11	11	
	1lps	21/39	897		148	80	98	5	11	11	11	
TBS 415 (module 150/ 600)	1lps	28/54	1197		148	80	98	5	11	11	11	
	1lps	35/49	1497		148	80	98	5	11	11	11	
	2lps	14/24	597		148	89	107	5	11	11	11	
	2lps	21/39	897		148	89	107	5	11	11	11	
	2lps	28/54	1197		148	89	107	5	11	11	11	
	2lps	35/49	1497		148	89	107	5	11	11	11	
TBS 415 (module 150/ 600) ASYM	1lps	14/24	597		148	81	99	5	21	11	15	
	1lps	21/39	897		148	81	99	5	21	11	15	
	1lps	28/54	1197		148	81	99	5	21	11	15	
	1lps	35/49	1497		148	81	99	5	21	11	15	
TBS416 (Module 625)	1lps	14/24	622		148	80	98	5	11	24	11	
	1lps	21/39	935		148	80	98	5	11	32	11	
	1lps	28/54	1247		148	80	98	5	11	36,5	11	
	1lps	35/49	1560		148	80	98	5	11	43	11	
	2lps	14/24	622		148	89	107	5	11	24	11	
	2lps	21/39	935		148	89	107	5	11	32	11	
TBS 416 (module 150/ 625) ASYM	1lps	28/54	1247		148	89	107	5	11	36,5	11	
	1lps	35/49	1560		148	89	107	5	11	43	11	
	1lps	14/24	622	148		80	98	5	21	24	15	
	1lps	21/39	934,5	148		80	98	5	21	32	15	
TBS 418 (panel ceiling)	1lps	28/54	1247	148		80	98	5	21	36,5	15,0	
	1lps	35/49	1559,5	148		80	98	5	21	43	15	
	1lps	14/24	597	85		80	98	8,6	11	8	8,6	
	1lps	21/39	897	85		80	98	8,6	11	8	8,6	
	1lps	28/54	1197	85		80	98	8,6	11	8	8,6	
	1lps	35/49	1497	85		80	98	8,6	11	8	8,6	

PHILIPS

Lay-In (for TBS411/412/415/416)



ZBS460 SMB-PLC SET (for TBS411/412/415/416), not for optic A)

B

Cut-out dimension in mm

Wattage	Length	
14/24W	585	4
21/39W	885	4
28/54W	1185	6
35/49/80W	1485	6

Type

Type	Width
TBS411/412 without air	78
TBS411/412 with air	88
TBS411/412 2-lamps	103

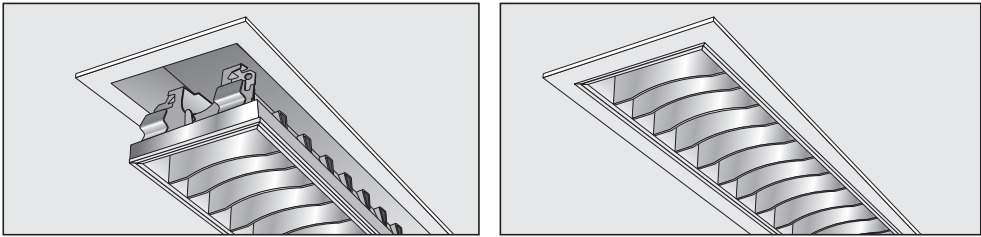
No Air

Air

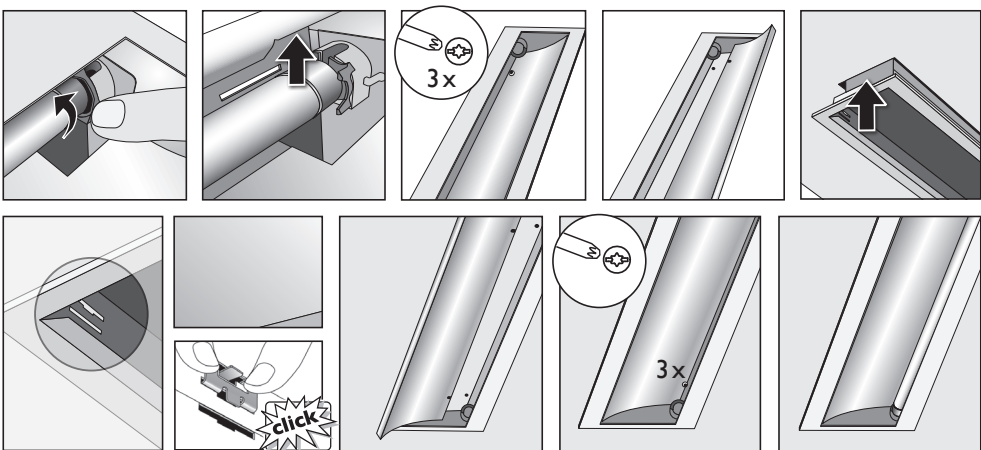
9-15 mm

20-25 mm

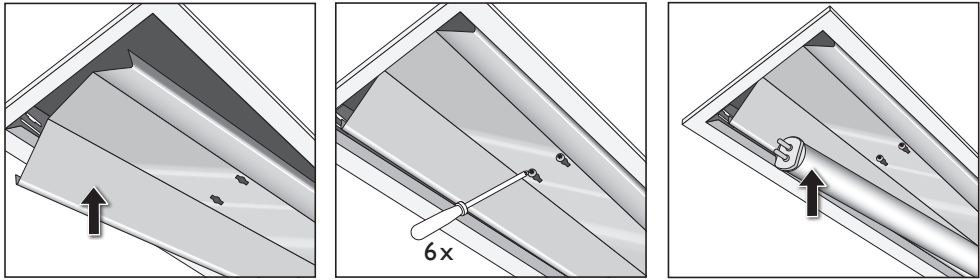
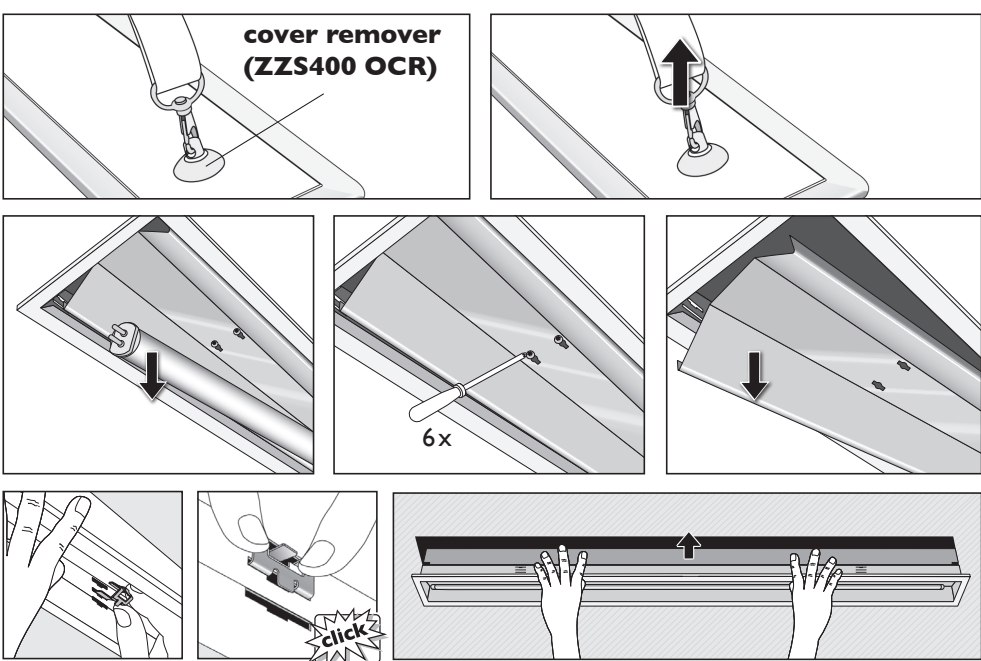
20-25 mm



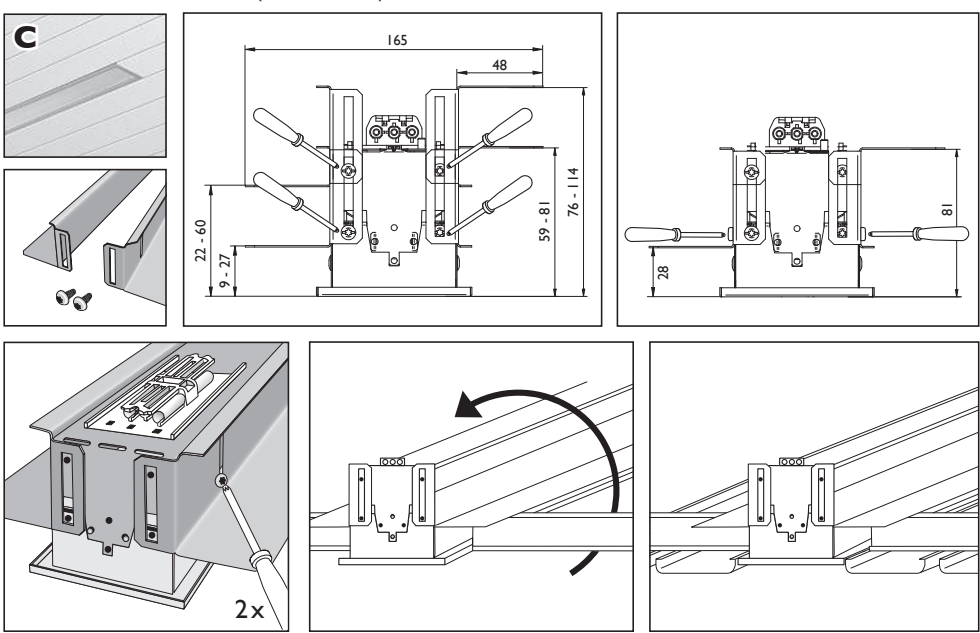
ASY



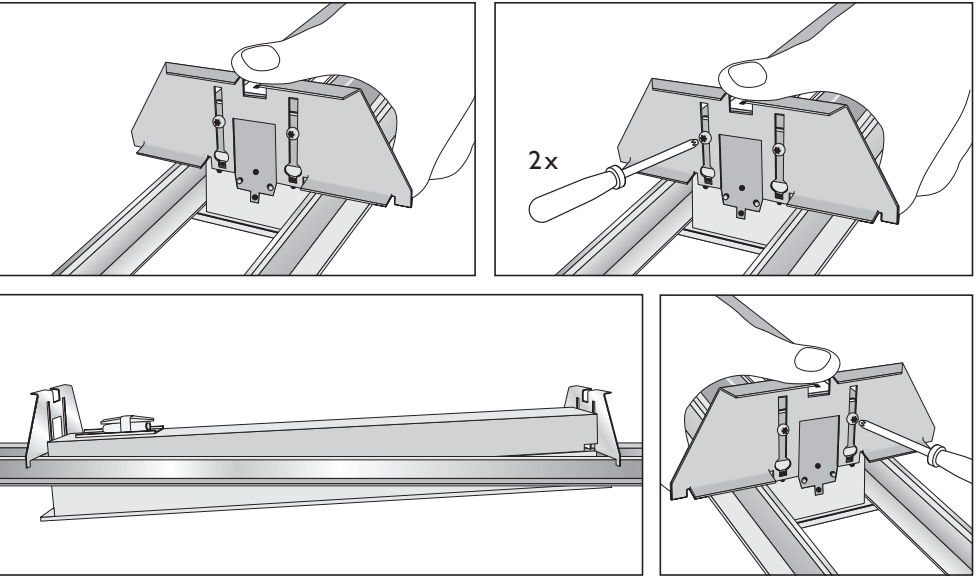
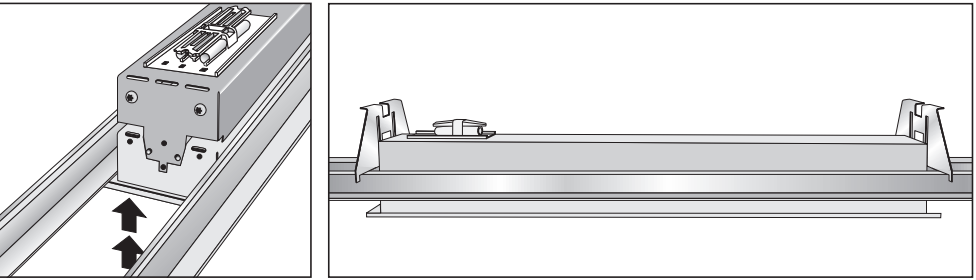
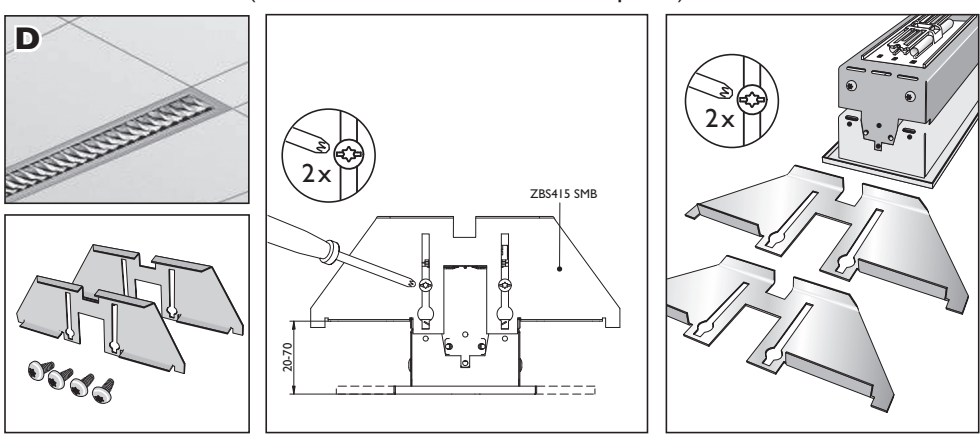
MLO



ZBS418 LPxx SET (for TBS418)



ZBS415 SMB SET (for TBS411/412/415/416, not for optic A)



Band Raster

