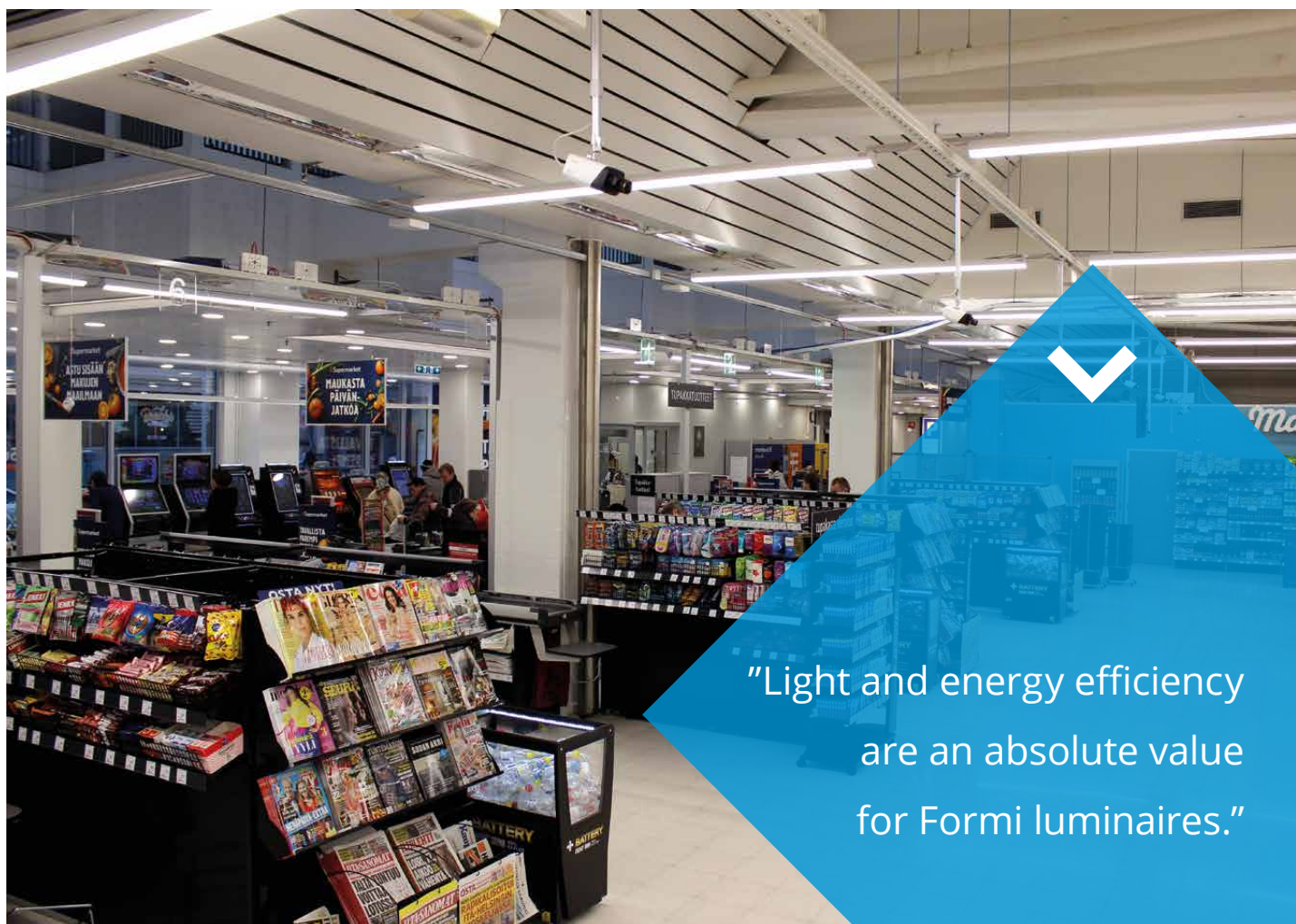


Formi

LED



Formi is specially optimized for supermarkets. Light and energy efficiency are an absolute value for Formi luminaires. Formi is also quick and easy to install due to the new innovative installation solution and lightweight structure. Formi is stylish simple yet versatile luminaire that can be customized according to the specific features.



"Light and energy efficiency are an absolute value for Formi luminaires."



Formi WB2



Formi MB



Structure

- White painted steel body
- End caps are polycarbonate
- Lens optics. Lenses acrylic.
- Optics:
 - Wide beam optic (WB2/90°)
 - Medium beam optic (MB/60°)
- DALI- and ON/OFF -versions
- Lumen output and length: See the table below.
- 4000K, Ra>80
- Ambient temperature range -20 °C to 30 °C
- LED module lifespan $T_a=25$ °C:
 - >100 000 h (L70)
 - 100 000 h (L80)
 - 71 000 h (L90)
- LED driver lifetime $T_a=25$ °C:
 - 100 000 h (max. 10 % failure rate)

Installation

- Ceiling mounting with FOJK1 spring brackets included
- Suspension rail with FOJK2 spring brackets
- Between the suspension rails using end supports with a stepless adjustment system

Made to order

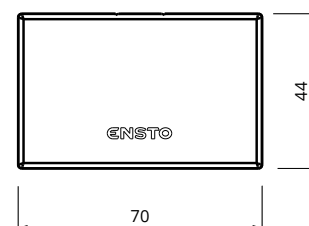
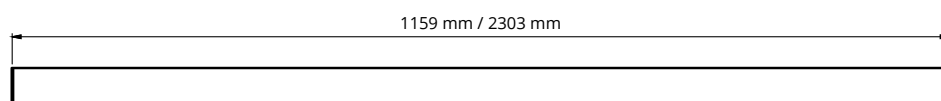
- With connection leads
- Project-specific luminous flux packages
- With asymmetrical light distribution
- With EnstoNET connectors

E number	Type	Product name	Output	Kg	Length	Light distribution	Control	Luminous flux	lm/W
Formi - wide beam optic, medium									
43 613 47	FO3RM5000WB2	FO3RMWB2 5400LM 34W/840 PMMA WH	34W	2,3	1159	WB2		5400 lm	159 lm/W
43 613 48	FO3RM5000WB2ED	FO3RMWB2 5400LM 34W/840 PMMA WH DALI	34W	2,3	1159	WB2	DALI	5400 lm	159 lm/W
43 613 49	FO3RM6000WB2	FO3RMWB2 6200LM 41W/840 PMMA WH	41W	2,3	1159	WB2		6200 lm	151 lm/W
43 614 08	FO3RM6000WB2ED	FO3RMWB2 6200LM 41W/840 PMMA WH DALI	41W	2,3	1159	WB2	DALI	6200 lm	151 lm/W
43 614 09	FO3RM8000WB2	FO3RMWB2 8000LM 55W/840 PMMA WH	55W	2,3	1159	WB2		8000 lm	145 lm/W
43 614 10	FO3RM8000WB2ED	FO3RMWB2 8000LM 55W/840 PMMA WH DALI	55W	2,3	1159	WB2	DALI	8000 lm	145 lm/W
43 614 11	FO3RM9000WB2	FO3RMWB2 9900LM 70W/840 PMMA WH	70W	2,3	1159	WB2		9900 lm	141 lm/W
43 614 12	FO3RM9000WB2ED	FO3RMWB2 9900LM 70W/840 PMMA WH DALI	70W	2,3	1159	WB2	DALI	9900 lm	141 lm/W
Formi - wide beam optic, high									
43 614 13	FO3RH6000WB2	FO3RHWB2 6600LM 40W/840 PMMA WH	40W	2,3	1159	WB2		6600 lm	165 lm/W
43 614 14	FO3RH6000WB2ED	FO3RHWB2 6600LM 40W/840 PMMA WH DALI	40W	2,3	1159	WB2	DALI	6600 lm	165 lm/W
43 614 15	FO3RH8000WB2	FO3RHWB2 8600LM 54W/840 PMMA WH	54W	2,3	1159	WB2		8600 lm	159 lm/W
43 614 16	FO3RH8000WB2ED	FO3RHWB2 8600LM 54W/840 PMMA WH DALI	54W	2,3	1159	WB2	DALI	8600 lm	159 lm/W
43 614 17	FO3RH10000WB2	FO3RHWB2 10500LM 69W/840 PMMA WH	69W	2,3	1159	WB2		10500 lm	152 lm/W
43 614 18	FO3RH10000WB2ED	FO3RHWB2 10500LM 69W/840 PMMA WH DALI	69W	2,3	1159	WB2	DALI	10500 lm	152 lm/W
43 614 19	FO3RH11000WB2	FO3RHWB2 11100LM 72W/840 PMMA WH	72W	2,3	1159	WB2		11100 lm	154 lm/W
43 614 20	FO3RH11000WB2ED	FO3RHWB2 11100LM 72W/840 PMMA WH DALI	72W	2,3	1159	WB2	DALI	11100 lm	154 lm/W

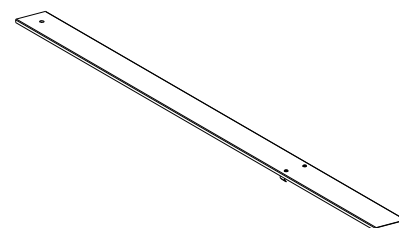
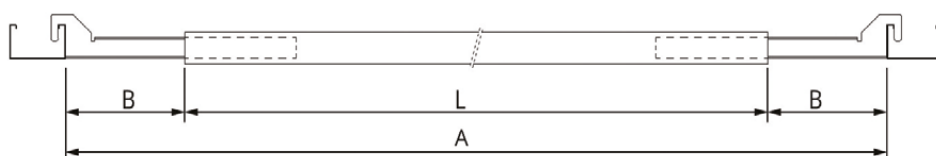


E number	Type	Product name	Output	Kg	Length	Light distribution	Control	Luminous flux	lm/W
Formi - medium beam optic, medium									
43 609 69	FO3RM5000MB	FO3RMMB 5300LM 34W/840 PMMA WH	34W	2,3	1159	MB		5300 lm	156 lm/W
43 609 82	FO3RM5000MBED	FO3RMMB 5300LM 34W/840 PMMA WH DALI	34W	2,3	1159	MB	DALI	5300 lm	156 lm/W
43 609 83	FO3RM6000MB	FO3RMMB 6200LM 41W/840 PMMA WH	41W	2,3	1159	MB		6200 lm	151 lm/W
43 609 84	FO3RM6000MBED	FO3RMMB 6200LM 41W/840 PMMA WH DALI	41W	2,3	1159	MB	DALI	6200 lm	151 lm/W
43 609 93	FO3RM8000MB	FO3RMMB 8000LM 55W/840 PMMA WH	55W	2,3	1159	MB		8000 lm	145 lm/W
43 609 94	FO3RM8000MBED	FO3RMMB 8000LM 55W/840 PMMA WH DALI	55W	2,3	1159	MB	DALI	8000 lm	145 lm/W
43 610 07	FO3RM9000MB	FO3RMMB 9800LM 70W/840 PMMA WH	70W	2,3	1159	MB		9800 lm	140 lm/W
43 610 08	FO3RM9000MBED	FO3RMMB 9800LM 70W/840 PMMA WH DALI	70W	2,3	1159	MB	DALI	9800 lm	140 lm/W
Formi - medium beam optic, high									
43 610 09	FO3RH6000MB	FO3RHMB 6500LM 40W/840 PMMA WH	40W	2,3	1159	MB		6500 lm	163 lm/W
43 610 38	FO3RH6000MBED	FO3RHMB 6500LM 40W/840 PMMA WH DALI	40W	2,3	1159	MB	DALI	6500 lm	163 lm/W
43 610 39	FO3RH8000MB	FO3RHMB 8500LM 54W/840 PMMA WH	54W	2,3	1159	MB		8500 lm	157 lm/W
43 610 48	FO3RH8000MBED	FO3RHMB 8500LM 54W/840 PMMA WH DALI	54W	2,3	1159	MB	DALI	8500 lm	157 lm/W
43 610 49	FO3RH10000MB	FO3RHMB 10500LM 69W/840 PMMA WH	69W	2,3	1159	MB		10500 lm	152 lm/W
43 610 62	FO3RH10000MBED	FO3RHMB 10500LM 69W/840 PMMA WH DALI	69W	2,3	1159	MB	DALI	10500 lm	152 lm/W
43 610 63	FO3RH11000MB	FO3RHMB 11200LM 72W/840 PMMA WH	72W	2,3	1159	MB		11200 lm	156 lm/W
43 610 64	FO3RH11000MBED	FO3RHMB 11200LM 72W/840 PMMA WH DALI	72W	2,3	1159	MB	DALI	11200 lm	156 lm/W
Formi ramp - wide beam optic, medium									
43 614 21	FOR3RM10000WB2	FOR3RMWB2 10800LM 66W/840 PMMA WH	66W	4,2	2303	WB2		10800 lm	164 lm/W
43 614 22	FOR3RM10000WB2ED	FOR3RMWB2 10800LM 66W/840 PMMA WH DALI	66W	4,2	2303	WB2	DALI	10800 lm	164 lm/W
43 614 23	FOR3RM12000WB2	FOR3RMWB2 12400LM 78W/840 PMMA WH	78W	4,2	2303	WB2		12400 lm	159 lm/W
43 614 24	FOR3RM12000WB2ED	FOR3RMWB2 12400LM 78W/840 PMMA WH DALI	78W	4,2	2303	WB2	DALI	12400 lm	159 lm/W
43 614 25	FOR3RM16000WB2	FOR3RMWB2 16200LM 107W/840 PMMA WH	107W	4,2	2303	WB2		16200 lm	151 lm/W
43 614 26	FOR3RM16000WB2ED	FOR3RMWB2 16200LM 107W/840 PMMA WH DALI	107W	4,2	2303	WB2	DALI	16200 lm	151 lm/W
43 614 27	FOR3RM19000WB2	FOR3RMWB2 19800LM 136W/840 PMMA WH	136W	4,2	2303	WB2		19800 lm	146 lm/W
43 614 28	FOR3RM19000WB2ED	FOR3RMWB2 19800LM 136W/840 PMMA WH DALI	136W	4,2	2303	WB2	DALI	19800 lm	146 lm/W
Formi ramp - wide beam optic, high									
43 614 29	FOR3RH13000WB2	FOR3RHWB2 13200LM 77W/840 PMMA WH	77W	4,2	2303	WB2		13200 lm	171 lm/W
43 614 30	FOR3RH13000WB2ED	FOR3RHWB2 13200LM 77W/840 PMMA WH DALI	77W	4,2	2303	WB2	DALI	13200 lm	171 lm/W
43 614 31	FOR3RH17000WB2	FOR3RHWB2 17200LM 106W/840 PMMA WH	106W	4,2	2303	WB2		17200 lm	162 lm/W
43 614 32	FOR3RH17000WB2ED	FOR3RHWB2 17200LM 106W/840 PMMA WH DALI	106W	4,2	2303	WB2	DALI	17200 lm	162 lm/W
43 614 33	FOR3RH21000WB2	FOR3RHWB2 21000LM 134W/840 PMMA WH	134W	4,2	2303	WB2		21000 lm	157 lm/W
43 614 34	FOR3RH21000WB2ED	FOR3RHWB2 21000LM 134W/840 PMMA WH DALI	134W	4,2	2303	WB2	DALI	21000 lm	157 lm/W
43 614 35	FOR3RH22000WB2	FOR3RHWB2 22200LM 147W/840 PMMA WH	147W	4,2	2303	WB2		22200 lm	156 lm/W
43 614 36	FOR3RH22000WB2ED	FOR3RHWB2 22200LM 147W/840 PMMA WH DALI	147W	4,2	2303	WB2	DALI	22200 lm	156 lm/W
Formi ramp - medium beam optic, medium									
43 611 15	FOR3RM10000MB	FOR3RMMB 10600LM 66W/840 PMMA WH	66W	4,2	2303	MB		10600 lm	161 lm/W
43 611 16	FOR3RM10000MBED	FOR3RMMB 10600LM 66W/840 PMMA WH DALI	66W	4,2	2303	MB	DALI	10600 lm	161 lm/W
43 611 17	FOR3RM12000MB	FOR3RMMB 12400LM 78W/840 PMMA WH	78W	4,2	2303	MB		12400 lm	159 lm/W
43 611 18	FOR3RM12000MBED	FOR3RMMB 12400LM 78W/840 PMMA WH DALI	78W	4,2	2303	MB	DALI	12400 lm	159 lm/W
43 611 19	FOR3RM16000MB	FOR3RMMB 16000LM 107W/840 PMMA WH	107W	4,2	2303	MB		16000 lm	150 lm/W
43 611 28	FOR3RM16000MBED	FOR3RMMB 16000LM 107W/840 PMMA WH DALI	107W	4,2	2303	MB	DALI	16000 lm	150 lm/W
43 611 29	FOR3RM19000MB	FOR3RMMB 19600LM 136W/840 PMMA WH	136W	4,2	2303	MB		19600 lm	144 lm/W
43 611 30	FOR3RM19000MBED	FOR3RMMB 19600LM 136W/840 PMMA WH DALI	136W	4,2	2303	MB	DALI	19600 lm	144 lm/W
Formi ramp - medium beam optic, high									
43 611 31	FOR3RH13000MB	FOR3RHMB 13000LM 77W/840 PMMA WH	77W	4,2	2303	MB		13000 lm	169 lm/W
43 611 32	FOR3RH13000MBED	FOR3RHMB 13000LM 77W/840 PMMA WH DALI	77W	4,2	2303	MB	DALI	13000 lm	169 lm/W
43 611 33	FOR3RH17000MB	FOR3RHMB 17000LM 106W/840 PMMA WH	106W	4,2	2303	MB		17000 lm	160 lm/W
43 611 34	FOR3RH17000MBED	FOR3RHMB 17000LM 106W/840 PMMA WH DALI	106W	4,2	2303	MB	DALI	17000 lm	160 lm/W
43 611 35	FOR3RH21000MB	FOR3RHMB 21000LM 134W/840 PMMA WH	134W	4,2	2303	MB		21000 lm	157 lm/W
43 611 36	FOR3RH21000MBED	FOR3RHMB 21000LM 134W/840 PMMA WH DALI	134W	4,2	2303	MB	DALI	21000 lm	157 lm/W
43 611 37	FOR3RH22000MB	FOR3RHMB 22400LM 147W/840 PMMA WH	147W	4,2	2303	MB		22400 lm	158 lm/W
43 611 38	FOR3RH22000MBED	FOR3RHMB 22400LM 147W/840 PMMA WH DALI	147W	4,2	2303	MB	DALI	22400 lm	158 lm/W

E number	Type	Product name							
Formi dust cover									
43 614 37	FOPS2	FOPS2 DUST COVER 2300MM WHITE		0,85					
Surface and rail brackets									
43 611 39	FOJK1	FOJK1 SPRING BRACKET PAIR							
43 611 40	FOJK2	FOJK2 RAIL BRACKET PAIR MEK70							
43 613 31	FOJK2V	FOJK2 RAIL BRACKET PAIR MEK70 WHITE		0,2					
43 611 41	FOJK3	FOJK3 RAIL BRACKET PAIR MEK110		0,2					
43 613 32	FOJK3V	FOJK3 RAIL BRACKET PAIR MEK110 WHITE		0,2					
43 611 42	FOJK4	FOJK4 RAIL BRACKET PAIR MP-311		0,2					
43 613 33	FOJK4V	FOJK4 RAIL BRACKET PAIR MP-311 WHITE		0,2					
43 611 43	FOJK5	FOJK5 RAIL BRACKET PAIR MP-321		0,2					
43 613 34	FOJK5V	FOJK5 RAIL BRACKET PAIR MP-321 WHITE		0,2					
43 611 44	FOJK6	FOJK6 RAIL BRACKET PAIR XYRV106M		0,2					
43 613 35	FOJK6V	FOJK6 RAIL BRACKET PAIR XYRV106M WHITE		0,2					
43 611 45	FOJK6.1	FOJK 6.1 RAIL BRACKET PAIR XYRV106K		0,2					
43 613 36	FOJK6.1V	FOJK 6.1 RAIL BRACKET PAIR XYRV106K WHITE		0,2					
43 611 46	FOJK7	FOJK7 RAIL BRACKET PAIR XYRV108M		0,2					
43 613 37	FOJK7V	FOJK7 RAIL BRACKET PAIR XYRV108M WHITE		0,2					
43 611 47	FOJK7.1	FOJK 7.1 RAIL BRACKET PAIR XYRV108K		0,2					
43 613 38	FOJK7.1V	FOJK 7.1 RAIL BRACKET PAIR XYRV108K WHITE		0,2					
43 611 48	FOJK8	FOJK8 RAIL BRACKET PAIR XYRV112M		0,2					
43 613 39	FOJK8V	FOJK8 RAIL BRACKET PAIR XYRV112M WHITE		0,2					
43 611 49	FOJK8.1	FOJK 8.1 RAIL BRACKET PAIR XYRV112K		0,2					
43 613 40	FOJK8.1V	FOJK 8.1 RAIL BRACKET PAIR XYRV112K WHITE		0,2					
Row mounting accessories									
43 611 63	FORK650.1	FORK650.1 ROW MOUNT.PAIR 0.65M 1							
43 611 64	FORK900.1	FORK900.1 ROW MOUNT.PAIR 0.9M 1							
43 611 65	FORK1150.1	FORK1150.1 ROW MOUT.PAIR 1.15M 1							
43 611 66	FORK1400.1	FORK1400.1 ROW MOUNT.PAIR 1.4M 1							



Luminaire	Bracket	A	B
FOR3xxx L = 2303 mm	FORK650.1	2,3 - 3,0 m	0,00 - 0,35 m
	FORK900.1	2,5 - 3,5 m	0,10 - 0,60 m
	FORK1150.1	3,0 - 4,0 m	0,35 - 0,85 m
	FORK1400.1	3,5 - 4,5 m	0,60 - 1,10 m



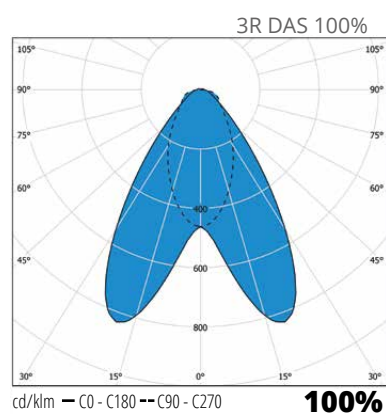
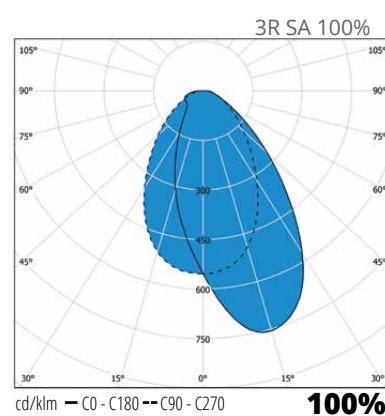
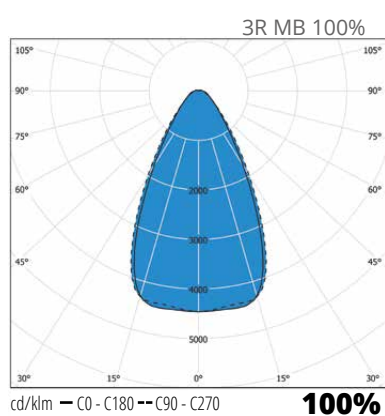
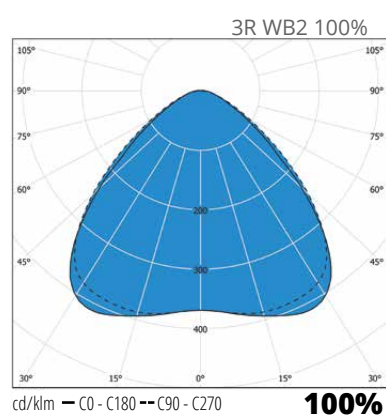
FOPS2 dust cover

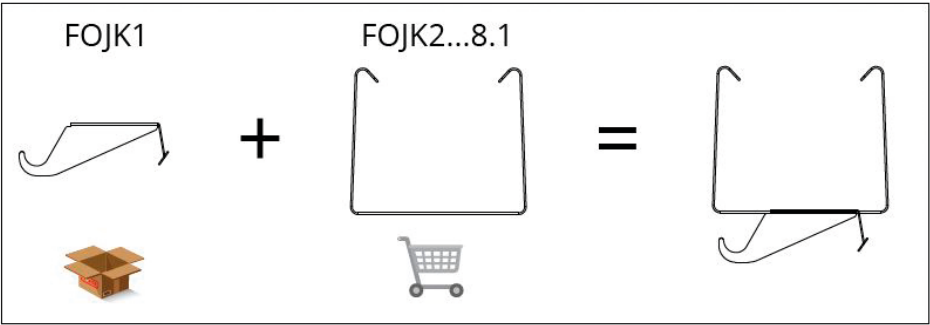
ON/OFF

Output	C10	C16	B10	B16
34W	39	64	23	38
40W/41W	23	40	14	24
54W/55W	30	50	18	30
69W/70W	30	50	18	30
72W	13	22	8	13
66W	18	30	11	18
77W/78W	13	22	8	13
106W/107W	13	22	8	13
134W/136W	9	15	5	9
147W	9	15	5	9

DALI

Output	C10	C16	B10	B16
34W	21	35	13	21
40W/41W	21	35	13	21
54W/55W	21	35	13	21
69W/70W	21	35	13	21
72W	21	35	13	21
66W	19	31	11	18
77W/78W	19	31	11	18
106W/107W	13	21	7	12
134W/136W	15	24	10	16
147W	15	24	10	16





FOJK1 for surface installations

FOJK2 MEK70 (70x51 mm)	FOJK3 MEK110 (110x51 mm)	FOJK4 MP-311 (75x45 mm)	FOJK5 MP-321 (100x45 mm)
FOJK6 XYRV106M (66x44 mm)	FOJK6.1 XYRV106K (66x60 mm)	FOJK7 XYRV108M (80x44 mm)	FOJK7.1 XYRV108K (80x60 mm)
FOJK8 XYRV112M (120x44 mm)	FOJK8.1 XYRV112K (120x60 mm)		



FOJK2 for trail bracket installations



Row mounting bracket



Trail brackets



FOJK2V for trail bracket installations



Formi Ramp Joint

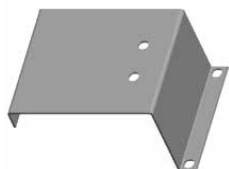
Code key

Standard mounts

e.g. FORK1400.1



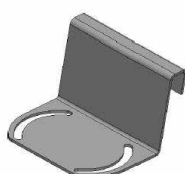
Type 1



Type 2



Type 3



Type 45

F O R K X X X X X

Ramp

> **FORK** Standard name

Joint length

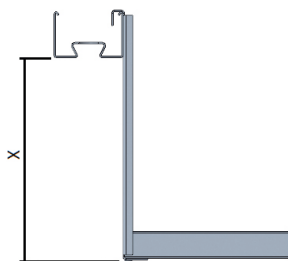
> **400** > **1150**
 > **650** > **1400**
 > **900** > **xxxx** Special length need to be confirmed

End type

> **1** Hooked end
 > **2** Wide holder appr. 75 mm (MEK70, MP311)
 > **3** Holder lockable (MEK70, MP311)
 > **45** Holder adjustable max 45° angle

Lowered mount

e.g. FORK1400.200



Measure from bottom of MEK70 to bottom of FORMI. Other lengths to be confirmed.

F O R K X X X X X X X X X

Ramp

> **FORK** Standard name

Joint length

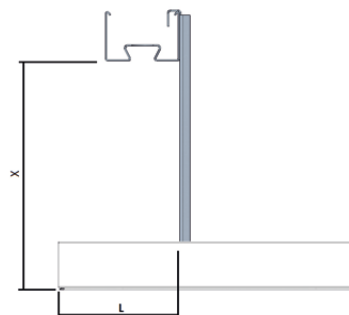
> See above (standard mounts)

Lowering length X

> **100** > **250** > **400**
 > **150** > **300** > **450**
 > **200** > **350**

Special mounts

e.g. FORK150.200S



Dim L freely adjustable.
 L_max: FO 100 mm. FOR 600 mm.
 Other dims to be confirmed.

F O R K 1 5 0 X X X S

Ramp

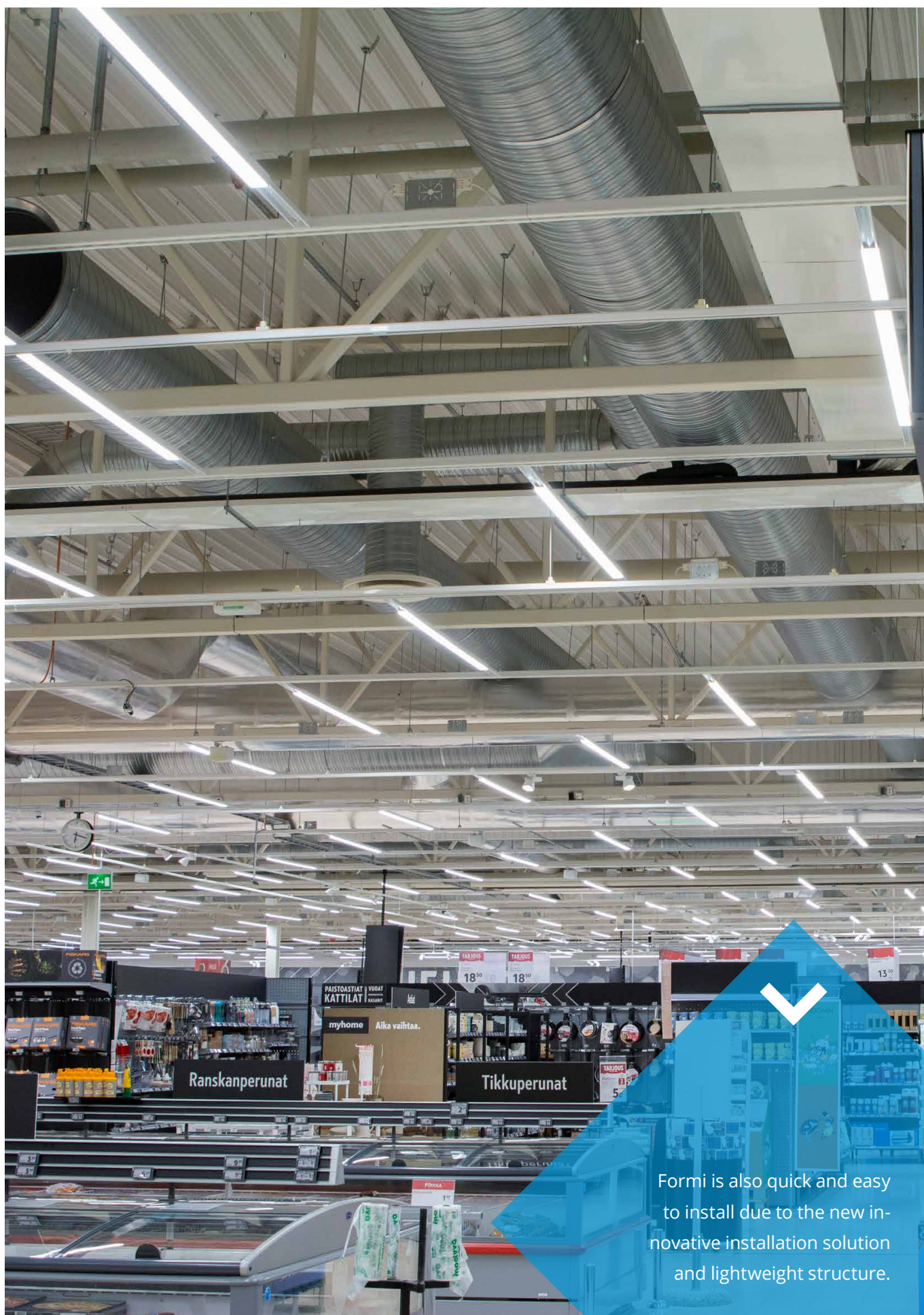
> **FORK** Standard name

Joint length

> **150** Standard measure (dist. inside FORMI)

Lowering length X

> **100** > **250** > **400**
 > **150** > **300** > **450**
 > **200** > **350**



Formi is also quick and easy to install due to the new innovative installation solution and lightweight structure.