



MOVE IT 25 S system

trimless / surface / suspended

EN Thin extruded aluminium profile with 31mm height and 28mm width groove; optionally for trimless installation in plasterboard ceilings (wall or ceiling mounting) with 12.5mm ceiling thickness; or for wall-/ceiling surface mounting or suspended mounting (cable suspension, height adjustment without tools, incl. black feed); optional with indirect light component for additional accentuation of the ceiling; for lighting systems; linear, 90° angle connectors or 90° CURVE segment; with integrated power track profile for take off of supply voltage and DALI signal; surface anodised or powder coated; insets can be installed flexibly and without tools by means of magnetic holders + locking

ES Perfil de aluminio extrusionado plano con una altura de 31mm y con ancho de junta de 28mm; disponible para el encastre sin bordes en techos de cartón yeso (montaje en pared o techo) de 12,5mm de espesor; o para montaje sobre pared/techo o suspendido (suspensión por cable, ajuste de altura sin herramienta, cable de alimentación negro incluido); opcional con componentes de luz indirectos para el realce adicional del techo; para sistemas de iluminación; lineal, conector acodado de 90° o elemento CURVE de 90°; con perfil de raíl electrificado integrado para la recepción de la tensión de alimentación y DALI; superficie anodizada o recubierto de polvo; montaje flexible y sin herramienta de los elementos insertables mediante un soporte magnético con bloqueo

Quickinfo

3000K
CRI ≥ 90, 2 SDCM
up to 118lm/W
L80 @ 50000h
non DIM, DALI-2

Types



connector



corner

curve

Colours



standard



xal.com/colours



custom cut on
building site

Order options

CONTROL

non DIM	1
DALI-2	3

MATERIAL COLOUR

● jet black RAL 9005

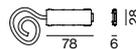
Options on request

CONNECTOR

T-connector
X-connector

INSTALLATION TRACK

acoustic soft ceilings



MOVE IT 25 S trimless



INSTALLATION TRACK

L (mm)		ORDER CODE
617	channel	050-72120-8
1217	channel	050-72140-8
2417	channel	050-72180-8
3622	channel	050-72190-8
cust. cut	channel (non DIM)	E83131-8
cust. cut	channel (DALI-2)	E83141-8
672x645	channel corner* 90°	050-72110-8
661x661	channel corner* ceiling to wall 90°	050-72111-8

*incl. electrical connector set

Accessories

END CAPS

TYPE	ORDER CODE
end caps (pair)	050-72100-8

BLIND COVER

L (mm)	ORDER CODE
1217	050-70040-8
2417	050-70080-8
3622	050-70090-8
custom cut	E83000-8B

blind cover can be shortened as desired

CONNECTOR SET

TYPE	ORDER CODE
linear connector (non DIM, DALI-2)	050-20311-30
linear connector flexible	050-20321-0
mechanical linear connector (pair)	050-20111-10

POWER FEEDER UNIT

TYPE	ORDER CODE
non DIM 2×2,5mm ²	050-20201-10
DALI-2 2×2,5 + 2×0,5mm ²	050-20201-30

cable length 500 mm

Electrical accessories

see following pages

Order options

CONTROL	
non DIM	1
DALI-2	3

MATERIAL COLOUR	
● jet black RAL 9005	8
● traffic white 9016 / jet black 9005 P	
● gold dust 260-M / jet black 9005 G	
● special colours*	X

*inside always in black

MATERIAL COLOUR ACCESSORIES	
○ traffic white RAL 9016	7
● jet black RAL 9005	8

MATERIAL COLOUR CABLE SUSPENSION	
chrome	0
black	8

Options on request

CONNECTOR	
T-connector	
X-connector	



MOVE IT 25 S surface / suspended



INSTALLATION TRACK / BLIND COVER

L (mm)		ORDER CODE
620	channel	050-73120
1220	channel	050-73140
2420	channel	050-73180
3625	channel	050-73190
cust. cut	channel (non DIM)	E83151
cust. cut	channel (DALI-2)	E83161
637x610	channel corner* 90°	050-73110
666x666	channel corner* ceiling to wall 90°	050-73111

*incl. electrical connector set

1217	blind cover	050-7004008
2417	blind cover	050-7008008
3622	blind cover	050-7009008
cust. cut	blind cover	E83000

CURVE CONNECTOR

TYPE	ORDER CODE
mechanical & electrical R 300mm	050-731303
mechanical R 300mm	050-731311

Accessories

END CAPS

TYPE	ORDER CODE
end caps (pair)	050-731000

CONNECTOR SET

TYPE	ORDER CODE
mechanical linear conn. incl. 1500mm cable susp.	050-201131
mechanical linear connector surface	050-2011410
mechanical & electrical linear connector	050-2031230

POWER FEEDER UNIT

TYPE	L (mm)	ORDER CODE
non DIM 2x2,5mm ²	2000	050-2022110
DALI-2 2x2,5 + 2x0,5mm ²	2000	050-2022130
non DIM 2x2,5mm ²	4000	050-2024110
DALI-2 2x2,5 + 2x0,5mm ²	4000	050-2024130

CEILING FASTENER / CABLE SUSPENSION / CANOPY / WALL

TYPE	L (mm)	ORDER CODE
ceiling fastener	67	050-204111
cable suspension*	1500	005-215211
canopy		005-231171
wall mounting accessory		050-2044118

*use every 1200mm

Electrical accessories

see following pages

Order options

COLOUR TEMPERATURE

3000K

CONTROL

non DIM 1
DALI-2 3

MATERIAL COLOUR

● jet black RAL 9005 8
● traffic white 9016 / jet black 9005 P
● gold dust 260-M / jet black 9005 G
● special colours* X

*inside always in black

MATERIAL COLOUR

ACCESSORIES

○ traffic white RAL 9016 7
● jet black RAL 9005 8

MATERIAL COLOUR

CABLE SUSPENSION

chrome 0
black 8

Options on request

COLOUR RENDERING INDEX

CRI ≥ 98 XPECTRUM

COLOUR TEMPERATURE

2700K
4000K
tunable white 2700–6500K*
*DALI-2 DT8

CONNECTOR

T-connector
X-connector



MOVE IT 25 S suspended indirect



INSTALLATION TRACK INDIRECT

L (mm)	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
620	6.2W	648lm	050-74125
1220	15.3W	1810lm	050-74145
2420	33W	3890lm	050-74185
3625	51W	6000lm	050-74195
637x610 corner*	13.1W	1550lm	050-74110

incl. chrome cable suspension for L=1220/2420/3625 mm
no custom cut on building side; *incl. electrical connector set

1217	blind cover	050-7004008
2417	blind cover	050-7008008
3622	blind cover	050-7009008
cust. cut	blind cover	E83000 ···· 8B

Accessories

END CAPS



TYPE	ORDER CODE
end caps (pair)	050-731000

CONNECTOR SET



TYPE	ORDER CODE
mechanical linear conn. incl. 1500mm cable susp.	050-201131
mechanical & electrical linear connector	050-2031230

POWER FEEDER UNIT



TYPE	L (mm)	ORDER CODE
non DIM 2×2,5mm ²	2000	050-2022110
DALI-2 2×2,5 + 2×0,5mm ²	2000	050-2022130
non DIM 2×2,5mm ²	4000	050-2024110
DALI-2 2×2,5 + 2×0,5mm ²	4000	050-2024130

CABLE SUSPENSION / CANOPY



TYPE	L (mm)	ORDER CODE
cable suspension*	1500	005-215211
canopy		005-231171

*use every 1200 mm

Electrical accessories

see following pages



MOVE IT 25 system

trimless / surface / suspended

EN Extruded aluminium profile with 28 mm width groove; for trimless installation in plasterboard ceilings (wall or ceiling mounting) with 12.5 mm ceiling thickness; or for wall/ ceiling surface mounting or suspended mounting (cable suspension, height adjustment without tools, incl. black feed); optional indirect light component for additional accentuation of the ceiling; for lighting systems; linear, 90° angle connectors or 90° CURVE segment; node connectors, up to 6 profile connection options; with power track profile for take off of supply voltage and DALI signal; surf. anod. or powder coated; insets can be installed flexibly and without tools by means of magnetic holders + locking; sound absorbing accessories available

ES Perfil de aluminio extruido con ancho de junta de 28 mm; para encastre sin bordes en planchas cartón yeso (montaje pared o techo) de 12,5 mm espesor; o para montaje sobre pared/techo o suspendido (suspensión por cable, ajuste de altura sin herramienta, cable de alimentación negro incluido); opcional componentes de luz indirectos para el realce adicional del techo; para sistemas de iluminación; lineal, conector acodado de 90° o elemento CURVE de 90°; conector de nodos, conexión de hasta 6 perfiles; con perfil de rail electrificado para la recepción de la tensión de alimentación y DALI; superf. anodiz. o recub. de polvo; montaje flexible y sin herramienta de los elementos insertables mediante un soporte magnético con bloqueo; disponible accesorio para la absorción del ruido

Quickinfo

3000K
CRI ≥ 90, 2 SDCM
up to 118 lm/W
L80 @ 50 000 h
non DIM, DALI-2

Types



connectors



node



corner



curve

Colours



standard



xal.com/colours



custom cut on building site



acoustic elements

Order options

CONTROL

non DIM	1
DALI-2	3

MATERIAL COLOUR

● jet black RAL 9005

Options on request

CONNECTOR

T-connector
X-connector

INSTALLATION TRACK

acoustic soft ceilings



MOVE IT 25 trimless



INSTALLATION TRACK

L (mm)		ORDER CODE
617	channel	050-72020-8
1217	channel	050-72040-8
2417	channel	050-72080-8
3622	channel	050-72090-8
cust. cut	channel (non DIM)	E83031-8
cust. cut	channel (DALI-2)	E83041-8
672x645	channel corner* 90°	050-72010-8
661x661	channel corner* ceiling to wall 90°	050-72011-8

*incl. electrical connector set

Accessories

END CAPS

TYPE	ORDER CODE
end caps (pair)	050-72000-8



BLIND COVER

L (mm)	ORDER CODE
1217	050-70040-8
2417	050-70080-8
3622	050-70090-8
custom cut	E83000-8B



blind cover can be shortened as desired

CONNECTOR SET

TYPE	ORDER CODE
linear connector (non DIM, DALI-2)	050-20311-30
linear connector flexible	050-20321-0
mechanical linear connector (pair)	050-20111-10



POWER FEEDER UNIT

TYPE	ORDER CODE
non DIM 2×2,5mm ²	050-20201-10
DALI-2 2×2,5 + 2×0,5mm ²	050-20201-30



cable length 500 mm

Electrical accessories

see following pages

Order options

CONTROL	◆
non DIM	1
DALI-2	3

MATERIAL COLOUR	■
INSTALLATION TRACK	■
● jet black RAL 9005	8
○ traffic white 9016 / jet black 9005 P	
● gold dust 260-M / jet black 9005 G	
● special colours*	X

*inside always in black

MATERIAL COLOUR	■
NODE CONNECTOR	■
○ traffic white RAL 9016	7
● jet black RAL 9005	8
● special colours	X

MATERIAL COLOUR	■
NODE LTX / END CAP	■
● jet black RAL 9005	8
○ traffic white 9016 / jet black 9005 P	
● special colours	X

MATERIAL COLOUR	■
ACCESSORIES	■
○ traffic white RAL 9016	7
● jet black RAL 9005	8

MATERIAL COLOUR	□
CABLE SUSPENSION	□
chrome	0
black	8

NODE CONNECTOR	⊕
MOUNTING TYPE	⊕
surface*	1
1500 mm cable susp. chrome	3
1500 mm cable susp. black	4

*only for L/T/X



MOVE IT 25 surface / suspended



INSTALLATION TRACK / BLIND COVER

L (mm)		ORDER CODE
620	channel	050-73020
1220	channel	050-73040
2420	channel	050-73080
3625	channel	050-73090
cust. cut	channel (non DIM)	E83051
cust. cut	channel (DALI-2)	E83061
637x610	channel corner* 90°	050-73010
666x666	channel corner* ceiling to wall 90°	050-73011
*incl. electrical connector set		
1217	blind cover	050-7004008
2417	blind cover	050-7008008
3622	blind cover	050-7009008
cust. cut	blind cover	E83000 ···· 8B

CURVE CONNECTOR

TYPE	ORDER CODE
mechanical & electrical R 300 mm	050-730303
mechanical R 300 mm	050-730311

Accessories

END CAPS

TYPE	ORDER CODE
end caps (pair)	050-730000

NODE CONNECTOR

TYPE	ORDER CODE
NODE surface mounted	050-203333
NODE surface mounted incl. feeder	050-202243
NODE cable suspension 1500 mm	050-20331
NODE cable susp. 1500 mm incl. feeder	050-20222
NODE end cap* incl. electrical connector	050-730010

*order for every node connection (channel to node) 1 end cap

CONNECTOR SET

TYPE	ORDER CODE
mechanical linear conn. incl. 1500 mm cable susp.	050-201131
mechanical linear connector surface	050-2011410
mechanical & electrical linear connector	050-2031230

POWER FEEDER UNIT

TYPE	L (mm)	ORDER CODE
non DIM 2×2,5 mm ²	2000	050-2022110
DALI-2 2×2,5 + 2×0,5 mm ²	2000	050-2022130
non DIM 2×2,5 mm ²	4000	050-2024110
DALI-2 2×2,5 + 2×0,5 mm ²	4000	050-2024130

CEILING FASTENER / CABLE SUSPENSION / CANOPY / WALL

TYPE	L (mm)	ORDER CODE
ceiling fastener	67	050-204111
cable suspension*	1500	005-215211
canopy		005-231171
wall mounting accessory		050-2044118

*use every 1200 mm

Electrical accessories

see following pages

Acoustic elements

see following pages

Order options

COLOUR TEMPERATURE

3000K

CONTROL

non DIM 1
DALI-2 3

MATERIAL COLOUR INSTALLATION TRACK

● jet black RAL 9005 8
● traffic white 9016 / jet black 9005 P
● gold dust 260-M / jet black 9005 G
● special colours* X

*inside always in black

MATERIAL COLOUR NODE CONNECTOR

○ traffic white RAL 9016 7
● jet black RAL 9005 8
● special colours X

MATERIAL COLOUR NODE LTX/END CAP

● jet black RAL 9005 8
● traffic white 9016 / jet black 9005 P
● special colours X

MATERIAL COLOUR ACCESSORIES

○ traffic white RAL 9016 7
● jet black RAL 9005 8

MATERIAL COLOUR CABLE SUSPENSION

chrome 0
black 8

NODE CONNECTOR MOUNTING TYPE

surface* 1
1500 mm cable susp. chrome 3
1500 mm cable susp. black 4

*only for L/T/X

Options on request

COLOUR RENDERING INDEX

CRI ≥ 98 XPECTRUM

COLOUR TEMPERATURE

2700 K
4000 K
tunable white 2700–6500 K*

*DALI-2 DT8



MOVE IT 25 suspended indirect



INSTALLATION TRACK INDIRECT

L (mm)	SYSTEM POWER	LUMINOUS FLUX	ORDER CODE
620	6.2W	648lm	050-74025
1220	15.3W	1810lm	050-74045
2420	33W	3890lm	050-74085
3625	51W	6000lm	050-74095
637x610 corner*	13.1W	1550lm	050-74010

incl. chrome cable suspension for L=1220/2420/3625 mm
no custom cut on building side; *incl. electrical connector set

1217	blind cover	050-7004008
2417	blind cover	050-7008008
3622	blind cover	050-7009008
cust. cut	blind cover	E83000 ···· 8B

Accessories

END CAPS

TYPE	ORDER CODE
end caps (pair)	050-730000

NODE CONNECTOR

TYPE	ORDER CODE
NODE cable suspension 1500 mm	050-20331
NODE cable susp. 1500 mm incl. feeder	050-20222
NODE end cap* incl. electrical connector	050-730010

*order for every node connection (channel to node) 1 end cap

CONNECTOR SET

TYPE	ORDER CODE
mechanical linear conn. incl. 1500 mm cable susp.	050-201131
mechanical & electrical linear connector	050-2031230

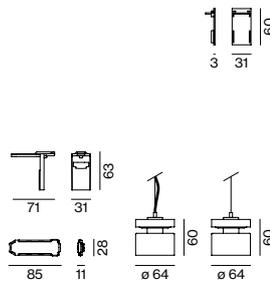
POWER FEEDER UNIT

TYPE	L (mm)	ORDER CODE
non DIM 2 × 2,5 mm ²	2000	050-2022110
DALI-2 2 × 2,5 + 2 × 0,5 mm ²	2000	050-2022130
non DIM 2 × 2,5 mm ²	4000	050-2024110
DALI-2 2 × 2,5 + 2 × 0,5 mm ²	4000	050-2024130

CABLE SUSPENSION / CANOPY

TYPE	L (mm)	ORDER CODE
cable suspension*	1500	005-215211
canopy		005-231171

*use every 1200 mm



LUMINOUS FLUX value calculated for 3000K, CRI ≥ 90, colour white/black

Electrical accessories

see following pages

Acoustic elements

see following pages

Order options

CONTROL

non DIM	1
DALI-2	3

MATERIAL COLOUR

○ traffic white RAL 9016	7
● jet black RAL 9005	8



Electrical accessories

POWER SUPPLY INTRACK supply 220-240 V AC, 48 V, 50-60 Hz

TYPE	EFFICIENCY	MOUNTING	L-W-H (mm)	ORDER CODE
100 W PC II η 92 %		intrack	403-26-46	050-2071038
150 W PC II η 92 %		intrack	403-26-46	050-2071138

incl. feeder cable 2000 mm; ENEC approved; DALI-2 SELV device integrated

POWER SUPPLY SURFACE supply 220-240 V AC, 48 V, 50-60 Hz

TYPE	EFFICIENCY	MOUNTING	L-W-H (mm)	ORDER CODE
60 W PC II η 88 %		surface	305-144-54	050-20551
100 W PC II η 92 %		surface	455-104-40	050-20554
150 W PC II η 92 %		surface	455-104-40	050-20552
250 W PC II η 93 %		surface	455-104-40	050-20555
320 W PC I η 94 %		surface	305-144-54	050-20553

ENEC approved; DALI-2 SELV device integrated

POWER SUPPLY EXTERNAL supply 220-240 V AC, 48 V, 50-60 Hz

TYPE	EFFICIENCY	MOUNTING	L-W-H (mm)	ORDER CODE
60 W PC II η 88 %		external	163-43-32	002-62133
100 W PC II η 92 %		external	350-30-18	002-62134
150 W PC II η 92 %		external	350-30-18	002-62135
250 W PC II η 93 %		external	400-40-22	002-62139
320 W PC I η 94 %		external	252-90-44	002-60320

ENEC approved

POWER SUPPLY BASIC 48 V

220-240 V | 50-60 Hz | PC II | Lifetime @ 120 W, 45° ambient temp. cascable max. 3 devices

TYPE	EFFICIENCY/LIFETIME	W-H-D (mm)	ORDER CODE
160 W η 94.5 % / > 100.000 h		72-90-63	005-6520210

DIN RAIL POWER SUPPLY PRO 48 V

220-240 V | 50-60 Hz | PC I | MTBF @ 55° ambient temperature cascable max. 5 devices (240 W) or 3 devices (480 W)

TYPE	EFFICIENCY/MTBF	W-H-D (mm)	ORDER CODE
240 W η 92 % / > 400.000 h		60-125-100	005-6220110
480 W η 93 % / > 350.000 h		120-125-100	005-6220210

DALI-2 SELV DEVICE

TYPE	L-W-H (mm)	ORDER CODE
control unit	213-37-26	050-2061130

necessary to create DALI-2 SELV signal; DALI power supply integrated

DALI SENSOR

TYPE	L-W-H (mm)	ORDER CODE
ESSENTIAL sensor (brightness & presence)	125-28-45	050-2063178

WIRELESS TO DALI-2 CONTROL DEVICE

TYPE	L-W-H (mm)	ORDER CODE
Casambi	111-25-45	050-2065230

DALI-2 SELV device required

WIRELESS TO DALI-2 REPEATER

TYPE	L-W-H (mm)	ORDER CODE
Casambi	111-25-45	050-2066230

MIDDLE FEED

TYPE	ORDER CODE
DALI-2 2 × 2,5 + 2 × 0,5 mm ²	050-2038130

cable length 2000 mm

Blique by Nobis
Stockholm, SE –
by Wingårdhs





JUST

spotlight inset 25/25S

Quickinfo

2700K, 3000K, 4000K, TW, CWD
 CRI ≥ 90, 2 SDCM
 non DIM, DALI-2

L95 @ 50 000h
 JUST 32 focus up to 78lm/W

L80 @ 50 000h
 JUST 45 up to 92lm/W

L90 @ 50 000h
 JUST 55 up to 109lm/W

Types



Colours



Light distributions

JUST 32 focus



JUST 45



JUST 55



Order options

COLOUR TEMPERATURE	
2700K	9
3000K	0
4000K	1
colour warm dim. 2000–3000K*	
tunable white 1800–3000K**	
tunable white 2700–6500K**	

*DALI-2 **DALI-2 DT8

CONTROL	
non DIM	1
DALI-2	3

MATERIAL COLOUR	
○ traffic white RAL 9016	7
● jet black RAL 9005	8
● special colours	X

BEAM ANGLE JUST 45	
medium 23°	M
flood 44°	F

BEAM ANGLE JUST 55	
spot 16°	S
medium 23°	M
flood 37°	F

Options on request

OPTICAL ACCESSORIES	
elliptical sculpture foil	
snoot	
colour filter (red, blue, green, etc.)	

only for JUST 32 focus



JUST 32 focus 17–43°



SPOTLIGHT

INSET POWER	LUMINOUS FLUX	ORDER CODE
5.5W	411lm	050-01111

JUST 45



SPOTLIGHT

INSET POWER	LUMINOUS FLUX	ORDER CODE
6.0W super spot 8°	285lm	050-01311
10.9W	960lm	050-01311
12W CWD 2000–3000K	430lm	050-01311E3
11W TW 1800–3000K	555lm	050-01311L3
11W TW 2700–6500K	683lm	050-01311D3

JUST 55



SPOTLIGHT

INSET POWER	LUMINOUS FLUX	ORDER CODE
12.7W	1330lm	050-01433
19.1W	1820lm	050-01423

Optical accessories

HONEYCOMB LOUVER

TYPE	Ø-H (mm)	ORDER CODE
JUST 32 focus	30·4	007-1965178
JUST 45	42·3	007-1965188
JUST 55	50·3	007-1965598

OVAL LENS

TYPE	Ø-H (mm)	ORDER CODE
JUST 45	42·3	007-1965880
JUST 55	50·3	007-1965890

SOFT LENS

TYPE	Ø-H (mm)	ORDER CODE
JUST 45	42·3	007-1965980
JUST 55	50·3	007-1965990

WALLWASHER LENS

TYPE	Ø-H (mm)	ORDER CODE
JUST 45	42·3	007-1965780
JUST 55	50·3	007-1965790

INSET POWER in watts is the current consumption excluding any ballast
LUMINOUS FLUX value calculated for 3000K, CRI ≥90, colour white, lens flood 2700K -5%, 4000K +5%



reddot award 2019
winner



PIVOT

graphic light inset 25/25S/45

Quickinfo

2700 K, 3000 K, TW
CRI \geq 90, 3 SDCM
up to 123 lm/W
L90 @ 50 000 h
non DIM, DALI-2

Types



Colour



Light distribution



opal



tunable white
1800–4000 K



CRI \geq 98
XPECTRUM

Order options

COLOUR TEMPERATURE

2700 K	4
3000 K	5
tunable white 1800–4000 K*	L

*DALI-2 DT8

CONTROL

non DIM	1
DALI-2	3

MATERIAL COLOUR

● jet black RAL 9005

Options on request

COLOUR RENDERING INDEX

CRI ≥ 98 XPECTRUM

COLOUR TEMPERATURE

4000 K

MATERIAL COLOUR

○ traffic white RAL 9016



LIGHT INSET 25S



PIVOT

INS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
10.6 W	2700 K	1190 lm	610	0 5 0 - 1 3 1 2 :: 8 0
	3000 K	1260 lm		
15.9 W	2700 K	1780 lm	910	0 5 0 - 1 3 1 3 :: 8 0
	3000 K	1890 lm		
21.2 W	2700 K	2380 lm	1210	0 5 0 - 1 3 1 4 :: 8 0
	3000 K	2530 lm		
26.4 W	2700 K	2970 lm	1510	0 5 0 - 1 3 1 5 :: 8 0
	3000 K	3160 lm		
32 W	2700 K	3570 lm	1810	0 5 0 - 1 3 1 6 :: 8 0
	3000 K	3790 lm		



PIVOT SUSPENDED

INS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
10.6 W	2700 K	1190 lm	610	0 5 0 - 0 3 2 2 :: 8 0
	3000 K	1260 lm		
15.9 W	2700 K	1780 lm	910	0 5 0 - 0 3 2 3 :: 8 0
	3000 K	1890 lm		
21.2 W	2700 K	2380 lm	1210	0 5 0 - 0 3 2 4 :: 8 0
	3000 K	2530 lm		
26.4 W	2700 K	2970 lm	1510	0 5 0 - 0 3 2 5 :: 8 0
	3000 K	3160 lm		

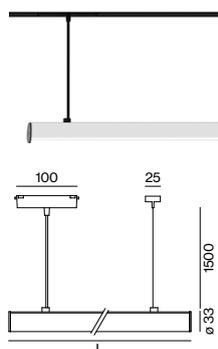


LIGHT INSET 25/45



PIVOT

INS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
10.6 W	2700 K	1190 lm	610	0 5 0 - 0 3 1 2 :: 8 0
	3000 K	1260 lm		
15.9 W	2700 K	1780 lm	910	0 5 0 - 0 3 1 3 :: 8 0
	3000 K	1890 lm		
21.2 W	2700 K	2380 lm	1210	0 5 0 - 0 3 1 4 :: 8 0
	3000 K	2530 lm		
26.4 W	2700 K	2970 lm	1510	0 5 0 - 0 3 1 5 :: 8 0
	3000 K	3160 lm		
32 W	2700 K	3570 lm	1810	0 5 0 - 0 3 1 6 :: 8 0
	3000 K	3790 lm		



PIVOT SUSPENDED

INS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
10.6 W	2700 K	1190 lm	610	0 5 0 - 0 3 2 2 :: 8 0
	3000 K	1260 lm		
15.9 W	2700 K	1780 lm	910	0 5 0 - 0 3 2 3 :: 8 0
	3000 K	1890 lm		
21.2 W	2700 K	2380 lm	1210	0 5 0 - 0 3 2 4 :: 8 0
	3000 K	2530 lm		
26.4 W	2700 K	2970 lm	1510	0 5 0 - 0 3 2 5 :: 8 0
	3000 K	3160 lm		

LUMINOUS FLUX value calculated for CRI ≥ 90, colour black



FLEXTRACK

system extension 25/25S

EN Thin extruded aluminium profile with 31mm height and 28mm width groove; with integrated power track profile for take off of supply voltage and DALI signal; surface anodised or powder coated; for installation in two MOVE IT 25 or 25 S profiles; profile can be installed and moved without tools by means of magnetic holders+locking; mount 360° rotatable and freely slidable on one end; light insets can be installed flexibly and without tools by means of magnetic holders+locking

ES Perfil de aluminio extruido plano de 31mm de alto y 28 mm de ancho de junta; con perfil de carril electrificado integrado para toma de suministro eléct. y señal DALI; superficie anodiz. o recub. de pintura en polvo; para inserción en dos perfiles MOVE IT 25 o MOVE IT 25 S; perfil insertable y desplazable sin herramienta mediante soporte magnético con bloqueo; soporte girable a 360° y libremente desplazable en un extremo; montaje flexible y sin herramienta de los elementos de luz mediante soporte magnético con bloqueo

Quickinfo

non DIM, DALI-2

Types



Colours



standard

xal.com/colours

Order options

CONTROL

non DIM	1
DALI-2	3

MATERIAL COLOUR

● jet black RAL 9005	8
● traffic white 9016 / jet black 9005 P	
● gold dust 260-M / jet black 9005 G	
● special colours*	X

*inside always in black

MOVE IT 25 S



FLEXTRACK

L (mm)	ORDER CODE
620	050-75120
920	050-75130
1220	050-75140
1520	050-75150
1820	050-75160

MOVE IT 25



FLEXTRACK

L (mm)	ORDER CODE
620	050-75020
920	050-75030
1220	050-75040
1520	050-75050
1820	050-75060



Quickinfo

2700 K, 3000 K, 4000 K, TW
 CRI ≥ 90, 3 SDCM
 up to 84 lm/W
 L90 @ 50 000h
 non DIM, DALI-2

Types



Colours



Light distributions

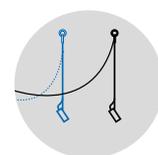


reddot winner 2020

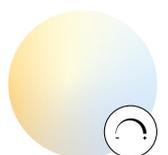


ARY rod

decorative inset 25/25S/45



free positioning by
ring and hook



tunable white
2200 – 4000K

Order options

CABLE SUSPENSION

1500 mm	5
2000 mm with hook*	6

*one ring included

COLOUR TEMPERATURE

2700 K	4
3000 K	5
4000 K	6
tunable white 2200–4000 K*	

*DALI-2 DT8

CONTROL

non DIM	1
DALI-2	3

MATERIAL COLOUR

○ traffic white RAL 9016	7
● jet black RAL 9005	8
● special colours	X

ACCESSORY COLOUR

○ traffic white RAL 9016	7
● jet black RAL 9005	8

BEAM ANGLE

medium 25°	M
flood 44°	F



ARY rod



DOWNLIGHT

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
14 W	2700 K	1050 lm	050-0 3 2 1
	3000 K	1100 lm	
	4000 K	1180 lm	
5.4 W TW	2200–4000 K	284 lm	050-0 3 2 1 D 3

ARY rod adjustable



SPOTLIGHT

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
14 W	2700 K	1050 lm	050-0 3 3 1
	3000 K	1100 lm	
	4000 K	1180 lm	
5.4 W TW	2200–4000 K	284 lm	050-0 3 3 1 D 3



Mounting accessories

RING track mounted

TYPE	Ø-H (mm)	ORDER CODE
MOVE IT 25 S	50-70	050-151011
MOVE IT 25/45	50-91	050-051011



RING ceiling mounted

TYPE	Ø-H (mm)	ORDER CODE
MOVE IT 25/25S/45	50-88	050-051021



Optical accessories

HONEYCOMB LOUVER AND LENSES

TYPE	Ø-H (mm)	ORDER CODE
honeycomb louver	42-3	007-1965188
oval lens	42-3	007-1965880
soft lens	42-3	007-1965980
wallwasher lens	42-3	007-1965780

LUMINOUS FLUX value calculated for
CRI ≥ 90, colour white, lens flood



Quickinfo

2700 K, 3000 K, 4000 K, TW
 CRI ≥ 90, 3 SDCM
 up to 84 lm/W
 L90 @ 50 000h
 non DIM, DALI-2

Types



Colours



Light distributions



ARY cable
 decorative inset 25/25S/45



Order options

CABLE SUSPENSION

1500mm	5
2000mm with hook*	6

*one ring included

COLOUR TEMPERATURE

2700 K	4
3000 K	5
4000 K	6
tunable white 2200–4000 K*	

*DALI-2 DT8

CONTROL

non DIM	1
DALI-2	3

MATERIAL COLOUR

○ traffic white RAL 9016	7
● jet black RAL 9005	8
●●● special colours	X

ACCESSORY COLOUR

○ traffic white RAL 9016	7
● jet black RAL 9005	8

BEAM ANGLE

medium 25°	M
flood 44°	F

SHADE COLOUR

● velvet beige RAL 085 8010	C
● madeira brown RAL 050 40 40	T
● kingfisher grey RAL 230 60 10	L
● woodpecker olive RAL 10 50 20	G
○ signal white RAL 9003	W
● signal black RAL 9004	B



ARY cable



DOWNLIGHT

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
14 W	2700 K	1050 lm	0 5 0 - 0 5 1 1 1
	3000 K	1100 lm	
	4000 K	1180 lm	
5.4 W TW	2200–4000 K	284 lm	0 5 0 - 0 5 1 1 D 3

Mounting accessories

RING track mounted



TYPE	Ø-H (mm)	ORDER CODE
MOVE IT 25 S	50-70	0 5 0 - 1 5 1 0 1 1
MOVE IT 25/45	50-91	0 5 0 - 0 5 1 0 1 1

RING ceiling mounted



TYPE	Ø-H (mm)	ORDER CODE
MOVE IT 25/25S/45	50-88	0 5 0 - 0 5 1 0 2 1

Optical accessories

SHADE



TYPE	Ø-H (mm)	ORDER CODE
cone 300	300-188	0 4 9 - 5 9 3 3 1 1
cone 400	400-253	0 4 9 - 5 9 3 4 1 1
cone 500	500-318	0 4 9 - 5 9 3 5 1 1

only available for ARY cable

HONEYCOMB LOUVER AND LENSES

TYPE	Ø-H (mm)	ORDER CODE
honeycomb louver	42-3	0 0 7 - 1 9 6 5 1 8 8
oval lens	42-3	0 0 7 - 1 9 6 5 8 8 0
soft lens	42-3	0 0 7 - 1 9 6 5 9 8 0
wallwasher lens	42-3	0 0 7 - 1 9 6 5 7 8 0

LUMINOUS FLUX value calculated for
CRI ≥ 90, colour white, lens flood



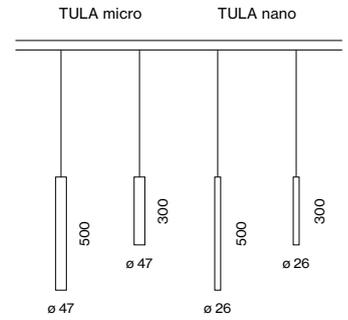
TULA

decorative inset 25/25S/45

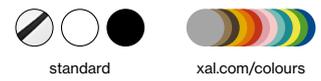
Quickinfo

2700 K, 3000 K, TW
 CRI ≥ 90, 3 SDCM
 up to 75 lm/W
 L80 @ 50 000 h
 non DIM, DALI-2

Types



Colours



Light distributions



free positioning by
ring and hook



tunable white
2200 – 4000 K

Order options

HOUSING HEIGHT

300 mm	0
500 mm	1

CABLE SUSPENSION

1500 mm	7
2000 mm with hook*	8

*one ring included

COLOUR TEMPERATURE

2700 K	4
3000 K	5
tunable white 2200 – 4000 K*	

*DALI-2 DT8

CONTROL

non DIM	1
DALI-2	3

MATERIAL COLOUR

○ chrome	4
○ traffic white RAL 9016	7
● jet black RAL 9005	8
● special colours	X

ACCESSORY COLOUR

○ traffic white RAL 9016	7
● jet black RAL 9005	8

BEAM ANGLE

medium 24°/25°	M
flood 30°/44°	F

Options on request

COLOUR TEMPERATURE

4000 K	
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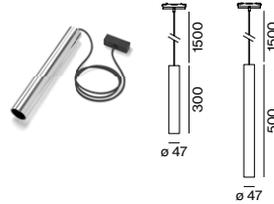


TULA nano suspended



DOWNLIGHT

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
11W	2700K	642lm	050-L 11 1
	3000K	688lm	



TULA micro suspended



DOWNLIGHT

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
14W	2700K	998lm	050-L 15 1
	3000K	1048lm	
5.4W	2200 – 4000K	254lm	050-L 15 D 3

Mounting accessories

RING track mounted

TYPE	Ø-H (mm)	ORDER CODE
MOVE IT 25 S	50-70	050-151011
MOVE IT 25/45	50-91	050-051011

RING ceiling mounted

TYPE	Ø-H (mm)	ORDER CODE
MOVE IT 25/25S/45	50-88	050-051021

Optical accessories

HONEYCOMB LOUVER AND LENSES

TYPE	Ø-H (mm)	ORDER CODE
TULA micro honeycomb louver	42-3	007-1965188
TULA micro oval lens	42-3	007-1965880
TULA micro soft lens	42-3	007-1965980
TULA micro wallwasher lens	42-3	007-1965780



Quickinfo

2700 K, 3000 K
CRI \geq 90, 3 SDCM
up to 55 lm/W
L80 @ 50 000 h
non DIM, DALI-2

Types



Colours



Light distribution



PAL

decorative inset 25/25S/45

Order options

CABLE SUSPENSION

1500 mm	5
2000 mm with hook*	6

*one ring included

COLOUR TEMPERATURE

2700 K	4
3000 K	5

CONTROL

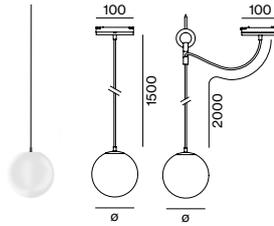
non DIM	1
DALI-2	3

MATERIAL COLOUR

○ pure white RAL 9010	7
● jet black RAL 9005	8
● special colours	X

ACCESSORY COLOUR

○ pure white RAL 9010	7
● jet black RAL 9005	8



PAL suspended



DOWNLIGHT

INS. POWER	COLOUR TEMP.	LUM. FLUX	Ø (mm)	ORDER CODE
9.1W	2700K	472lm	80	050-1 8 1 1
	3000K	498lm		
9.1W	2700K	472lm	120	050-1 8 1 3
	3000K	498lm		

Mounting accessories

RING track mounted

TYPE	Ø-H (mm)	ORDER CODE
MOVE IT 25 S	50-70	050-151011
MOVE IT 25/45	50-91	050-051011



RING ceiling mounted

TYPE	Ø-H (mm)	ORDER CODE
MOVE IT 25/25S/45	50-88	050-051021



INSET POWER in watts is the current consumption excluding any ballast
LUMINOUS FLUX value calculated for CRI≥90, colour white, glass



Quickinfo

2700 K
CRI ≥ 95, 3 SDCM
up to 72 lm/W
L90 @ 50 000h
non DIM, DALI-2

Types



Colours



wästberg w201 Extra small pendant

Design by Claesson Koivisto Rune

Order options

CABLE SUSPENSION	
3000 mm	5
3000 mm with hook	6

COLOUR TEMPERATURE	
2700 K	

CONTROL	
non DIM	1
DALI-2	3

MATERIAL COLOUR	
○ traffic white RAL 9016	7
● jet black RAL 9005	8

ACCESSORY COLOUR	
○ pure white RAL 9010	7
● jet black RAL 9005	8



w201 Extra small pendant s1



DOWNLIGHT

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
7.9W	2700 K	544lm	050-04814



w201 Extra small pendant s2



DOWNLIGHT

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
7.9W	2700 K	572lm	050-04824



w201 Extra small pendant s3



DOWNLIGHT

INSET POWER	COLOUR TEMP.	LUMINOUS FLUX	ORDER CODE
7.9W	2700 K	572lm	050-04834

Mounting accessories



RING track mounted

TYPE	Ø-H (mm)	ORDER CODE
MOVE IT 25 S	50-70	050-151011
MOVE IT 25/45	50-91	050-051011



RING ceiling mounted

TYPE	Ø-H (mm)	ORDER CODE
MOVE IT 25/25S/45	50-88	050-051021

INSET POWER in watts is the current consumption excluding any ballast
LUMINOUS FLUX value calculated for CRI≥90, colour white



SPOT LINE / OPAL

linear inset 25

Quickinfo

2700 K, 3000 K, TW (opal)
 CRI ≥ 90, 3 SDCM
 SPOT LINE up to 82lm/W
 OPAL up to 101lm/W
 L80 @ 50 000 h
 non DIM, DALI-2

Types

MOVE IT 25

SPOT LINE



OPAL



Light distributions



tunable white
 1800–4000 K



CRI ≥ 98
 XPECTRUM

Order options

COLOUR TEMPERATURE ◆◆

2700 K	4
3000 K	5
tunable white 1800–4000 K*	L

*only available for opal high performance inset | DALI-2 DT8

CONTROL ◆

non DIM	1
DALI-2	3

MATERIAL COLOUR

● jet black RAL 9005

Options on request

COLOUR RENDERING INDEX

CRI ≥ 98 XPECTRUM

COLOUR TEMPERATURE

4000 K



LIGHT INSET 25



SPOT LINE

INS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
4.5 W	2700 K	336lm	155	0 5 0 - 0 2 2 0 ◆◆ 8 M
	3000 K	363lm		
8.9 W	2700 K	673lm	305	0 5 0 - 0 2 2 1 ◆◆ 8 M
	3000 K	726lm		
17.9 W	2700 K	1350lm	605	0 5 0 - 0 2 2 2 ◆◆ 8 M
	3000 K	1450lm		



OPAL HIGH PERFORMANCE

INS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
5.3 W	2700 K	451lm	305	0 5 0 - 0 2 1 1 ◆◆ 8 H
	3000 K	484lm		
10.6 W	2700 K	902lm	605	0 5 0 - 0 2 1 2 ◆◆ 8 H
	3000 K	968lm		
21.3 W	2700 K	1800lm	1205	0 5 0 - 0 2 1 4 ◆◆ 8 H
	3000 K	1940lm		
43 W	2700 K	3610lm	2405	0 5 0 - 0 2 1 8 ◆◆ 8 H
	3000 K	3870lm		



LIGHT INSET 25 S



OPAL HIGH PERFORMANCE

INS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
5.3 W	2700 K	402lm	305	0 5 0 - 1 2 1 1 ◆◆ 8 H
	3000 K	432lm		
10.6 W	2700 K	805lm	605	0 5 0 - 1 2 1 2 ◆◆ 8 H
	3000 K	864lm		
21.3 W	2700 K	1610lm	1205	0 5 0 - 1 2 1 4 ◆◆ 8 H
	3000 K	1730lm		
43 W	2700 K	3220lm	2405	0 5 0 - 1 2 1 8 ◆◆ 8 H
	3000 K	3460lm		

canyon solution for MOVE IT 25

Light distribution



spot line

INSET POWER in watts is the current consumption excluding any ballast
LUMINOUS FLUX value calculated for CRI ≥ 90, colour black



MOVE IT 25 SYSTEM



WALLWASHER

linear inset 25/25S

Quickinfo

2700 K, 3000 K
CRI \geq 90, 3 SDCM
WALLWASHER up to 81lm/W
WW flush up to 82lm/W
L80 @ 50 000 h
non DIM, DALI-2

Types

MOVE IT 25

WALLWASHER



WALLWASHER flush



MOVE IT 25 S

WALLWASHER flush



Light distribution



wall washer



CRl \geq 98
XPPECTRUM

Order options

COLOUR TEMPERATURE	☼☼
2700 K	4
3000 K	5

CONTROL	⬆️⬆️
non DIM	1
DALI-2	3

MATERIAL COLOUR
● jet black RAL 9005

Options on request

COLOUR RENDERING INDEX
CRI ≥ 98 XPECTRUM

COLOUR TEMPERATURE
4000 K



LIGHT INSET 25



WALLWASHER

INS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
13 W	2700 K	983lm	450	050-0232 ☼☼ 3 8 A
	3000 K	1050lm		



WALLWASHER FLUSH

INS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
5.6 W	2700 K	415lm	305	050-0211 ☼☼ 8 A
	3000 K	454lm		
11.2 W	2700 K	829lm	605	050-0212 ☼☼ 8 A
	3000 K	908lm		
22.3 W	2700 K	1660lm	1205	050-0214 ☼☼ 8 A
	3000 K	1820lm		
45 W	2700 K	3320lm	2405	050-0218 ☼☼ 8 A
	3000 K	3630lm		

Optical accessories

ANTI-GLARE GRID

TYPE	L-W (mm)	ORDER CODE
WALLWASHER FLUSH	303-25	050-0230 9 1 8

cluster solution to create anti-glare grid for all lengths



LIGHT INSET 25 S



WALLWASHER FLUSH

INS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
5.6 W	2700 K	415lm	305	050-1211 ☼☼ 8 A
	3000 K	454lm		
11.2 W	2700 K	829lm	605	050-1212 ☼☼ 8 A
	3000 K	908lm		
22.3 W	2700 K	1660lm	1205	050-1214 ☼☼ 8 A
	3000 K	1820lm		
45 W	2700 K	3320lm	2405	050-1218 ☼☼ 8 A
	3000 K	3630lm		

Light distributions



wallwasher



wallwasher flush

INSET POWER in watts is the current consumption excluding any ballast
LUMINOUS FLUX value calculated for CRI ≥ 90, colour black



MOVE IT 25 SYSTEM

WALL GRAZER / BATWING

linear inset 25S

Quickinfo

2700 K, 3000 K
CRI \geq 90, 3 SDCM
WALL GRAZER up to 107lm/W
BATWING up to 104lm/W
L80 @ 50 000 h
non DIM, DALI-2

Types

MOVE IT 25 S

WALL GRAZER / BATWING



Light distributions



CRi \geq 98
XPECTRUM

Order options

COLOUR TEMPERATURE	••
2700 K	4
3000 K	5

CONTROL	◆
non DIM	1
DALI-2	3

MATERIAL COLOUR
● jet black RAL 9005

Options on request

COLOUR RENDERING INDEX
CRI ≥ 98 XPECTRUM

COLOUR TEMPERATURE
4000 K



LIGHT INSET 25 S



WALL GRAZER

INS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
5.3 W	2700 K	525lm	305	0 5 0 - 1 2 1 1 :: 8 S
	3000 K	564lm		
10.6 W	2700 K	1050lm	605	0 5 0 - 1 2 1 2 :: 8 S
	3000 K	1130lm		
21.3 W	2700 K	2100lm	1205	0 5 0 - 1 2 1 4 :: 8 S
	3000 K	2260lm		
43 W	2700 K	4200lm	2405	0 5 0 - 1 2 1 8 :: 8 S
	3000 K	4510lm		



BATWING

INS. POWER	COLOUR TEMP.	LUM. FLUX	L (mm)	ORDER CODE
5.3 W	2700 K	512lm	305	0 5 0 - 1 2 1 1 :: 8 B
	3000 K	550lm		
10.6 W	2700 K	1020lm	605	0 5 0 - 1 2 1 2 :: 8 B
	3000 K	1100lm		
21.3 W	2700 K	2050lm	1205	0 5 0 - 1 2 1 4 :: 8 B
	3000 K	2200lm		
43 W	2700 K	4100lm	2405	0 5 0 - 1 2 1 8 :: 8 B
	3000 K	4400lm		

Light distributions



wall grazer



batwing

INSET POWER in watts is the current consumption excluding any ballast
LUMINOUS FLUX value calculated for CRI ≥ 90, colour black



MOVE IT 25/45 system

acoustic elements

EN Acoustic element made of high quality, self-supporting, recycled PET felt with sound absorbing properties; different versions: choice of square, rectangular or triangular design (only MOVE IT 25); high quality visual and tactile surface with embossed pattern; absorption of direct sound and sound reflected from the ceiling; this creates high acoustic performance; for installation in the MOVE IT 25/45 suspended system composed of node connectors and profiles; subsequent insertion in already installed MOVE IT suspended system possible; installation without tools

ES Elemento acústico de fieltro PET reciclado y autoportante de calidad superior con propiedades de absorción del sonido; diferentes variantes: forma opcionalmente cuadrada, rectangular o triangular; superficie de alta calidad táctil y visual con motivos en relieve; posible inclusión de partículas extrañas; absorción del sonido directo y del reflejado por el techo; con ello gran rendimiento acústico; para la integración en el sistema suspendido MOVE IT 25/45, compuesto de uniones y perfiles; posible integración posterior en un MOVE IT suspended system ya instalado; instalación sin herramientas

Quickinfo

PET felt

♻️ from recycled material
up to absorption class A

🔥 flame retardant version available

Types



Acoustic colours



flat acoustic inlay 25 mm



embossed finish



quick and easy to retrofit



sensor inset available

Order options

ACOUSTIC COLOUR

- white W
- marble grey D
- anthracite B
- black L
- limestone S



MOVE IT 25 / 45 acoustic suspended

A
B
C
D
E

α_w 1.00

1.30
NRC

1.32
SAA

ACOUSTIC ELEMENT

TYPE	L-W-H (mm)	ORDER CODE
square grid inlay	1235-1235-25	050-231121 <input checked="" type="checkbox"/>
half grid inlay	635-1235-25	050-231221 <input checked="" type="checkbox"/>
double grid inlay	2435-1235-25	050-231321 <input checked="" type="checkbox"/>
triangle inlay*	1195-1035-25	050-231421 <input checked="" type="checkbox"/>

mounting only in MOVE IT 25/45 system with NODE connector + track 620 mm, 1220 mm or 2420 mm; *only available for MOVE IT 25 system

Acoustic data

Equivalent sound absorption area (A_{eq})

TYPE	125	250	500	1000	2000	4000 Hz
square grid inlay	0.73	1.47	1.73	2.20	2.67	2.77
half grid inlay	0.57	0.83	0.93	1.27	1.57	1.57
double grid inlay	1.30	2.73	3.20	4.10	4.97	5.23
triangle inlay	0.33	0.57	0.73	0.97	1.27	1.33

Sound absorption coefficient (α_p)

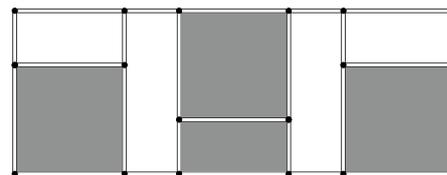


Configuration examples

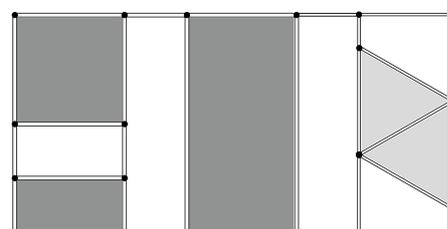
MOVE IT 25 system



MOVE IT 45 system



MOVE IT 25 / 45 system



MOVE IT 25 system



MOVE IT 45 system