

marmoleum marbled

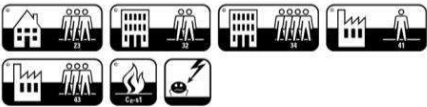
The **Marmoleum Marbled** collection presents a palette of over 90 colours, combining stronger and subtler marbled patterns together.

Marble designs combine anything from three to eight different colours that can vary in intensity and contrast. Sometimes they create bold, strong contrasts resembling real marble, yet sometimes the colours are more subtle like fresco murals.

[DOWNLOAD THE MARMOLEUM MARBLED BIM OBJECT](#)

3871 silver birch

Thickness	2 mm / 2.5 mm
Length x width	32 m x 200 cm
NCS	S 3010-Y10R
LRV	41%



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[FLOORPLANNER](#)

Technical specifications

Marmoleum meets the requirements of EN ISO 24011
Marmoleum Acoustic meets the requirements of EN 687
Marmoleum Decibel meets the requirements of EN 686

Marmoleum												
	Marmoleum Real/Fresco	Marmoleum Real/Fresco/ Vivace	Marmoleum Real	Marmoleum Real	Marmoleum Decibel	Marmoleum Acoustic	Marmoleum Concrete	Marmoleum Walton	Marmoleum Striato	Marmoleum Graphic	Marmoleum Piano	
	EN-ISO 24346	2.0 mm	2.5 mm	3.2 mm	4.0 mm	3.5 mm	4.0 mm	2.5 mm	2.5 mm	2.5 mm	2.5 mm	
	EN-ISO 10874	Class 23	Class 23	Class 23	Class 23	Class 23	Class 23	Class 23	Class 23	Class 23	Class 23	
	EN-ISO 10874	Class 32	Class 34	Class 34	Class 34	Class 33	Class 34	Class 34	Class 34	Class 34	Class 34	
	EN-ISO 10874	Class 41	Class 43	Class 43	Class 43	Class 41	Class 43	Class 43	Class 43	Class 43	Class 43	
	EN-ISO 24341	2.00 m	2.00 m	2.00 m	2.00 m	2.00 m	2.00 m	2.00 m	2.00 m	2.00 m	2.00 m	
	EN-ISO 24341	≤ 32 m	≤ 32 m	≤ 32 m	≤ 32 m	≤ 32 m	≤ 32 m	≤ 32 m	≤ 32 m	≤ 32 m	≤ 32 m	
	EN-ISO 24343-1	≤ 0.15 mm	≤ 0.15 mm	≤ 0.20 mm	≤ 0.30 mm	≤ 0.40 mm	≤ 0.15 mm	≤ 0.15 mm	≤ 0.15 mm	≤ 0.15 mm	≤ 0.15 mm	
	EN 425	Suitable for office chairs with castors.										
	EN-ISO 105-B02	Method 3: blue scale minimum 6.										
	EN-ISO 24344	ø 30 mm	ø 40 mm	ø 50 mm	ø 60 mm	ø 60 mm	ø 40 mm	ø 40 mm	ø 40 mm	ø 40 mm	ø 40 mm	
	EN-ISO 26987	Resistant to diluted acids, oils, fats and to conventional solvents. Not resistant to prolonged exposure to alkalis.										
	Marmoleum has natural bacteriostatic properties, which are confirmed by independent laboratories, even against the bacteria MRSA.											
	EN 1399	Marks left on linoleum as a result of stubbed-out cigarettes can be removed.										
	DIN 51130	R9	R9	R9	R9	R9	R9	R9	R9	R9	R9	
	EN ISO 717-2	≤ 4 dB	≤ 5 dB	≤ 6 dB	≤ 7 dB	17 dB	14 dB	≤ 5 dB	≤ 5 dB	≤ 5 dB	≤ 5 dB	
	EN 1081	-	1-10 ⁶ <R1 < 1-10 ⁸ Ω static dissipative	-	-	-	-	-	-	-	-	
	LCA is the foundation for securing the lowest environmental impact.											
Marmoleum meets the requirements of EN 14041												
	EN 13501-1	C _f s1										
	EN 13893	DS: ≥ 0.30										
	EN 1815	< 2 kV										
	EN 12524	0.17 W/m·K										



Tuftiguard Plain



Tuftiguard classic



Tuftiguard design



Maximum length per module	2500mm (Bamboo 2400mm)															
Maximum width per module	750mm															
Maximum weight per module	23kg/m²															
Depth	12mm								17mm							
Scraper bar material	Aluminium / Black Anodised Aluminium				Bamboo				Aluminium / Black Anodised Aluminium				Bamboo			
Construction	Open		Closed		Open		Closed		Open		Closed		Open		Closed	
Number of wiper strips	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
Total weight (kg/m²)	11	12	14	15	10	11	13	14	14	15	16	17	13	14	15	16
Max static load (kg/cm²)	200				100				200							
Dynamic load (kg) 2 wheels 80mm, 20,000 passes	200				100				200							
Frames	A selection of recessed matwell frames are available, please see page 4.0.2 for details															
Ramp frame model	ARF 50								ARF 70							
Manufacturing method	Entrance flooring system with scraper bars and rubber wiper strips															
Wiper designs	Plain, natural fibres, coloured fibres															
Wiper material	Rubber															
Pile material	100% Polyamide BCF															



CONSIDERATIONS

Bamboo is a natural product so there will be a variance of colour within the scraper bars and although the Bamboo may fade and lose small 'splinters', the structural integrity of the mat will not be affected.

In very brightly lit areas, the strong contrast between a light aluminium scraper bar and a dark wiper strip can sometimes create a strobe effect, which should be avoided.

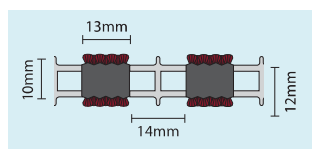
To prevent this type of occurrence, consider using scraper bars in **Bamboo** or **Black Anodised Aluminium**.



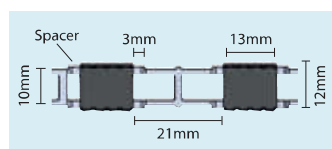
TECHNICAL SPECIFICATIONS



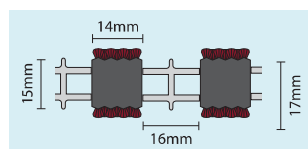
Tuftiguard Classic and Design – dimensions



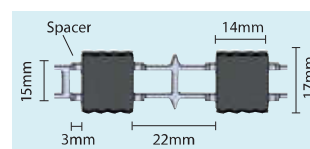
12mm single closed



12mm single open



17mm single closed



17mm single open

All dimensions are approximate.

Scraper bars

Aluminium
(Universal)Black Anodised
Aluminium
(Classic &
Design)

Bamboo (Classic & Design)

Wiper bar options

Plain and Classic



Unbuffed (Plain)



Buffed (Classic)

Wiper bar options

Design



Charcoal



Ocean



Petrol



Evergreen



Willow



Scarlet



Claret



Violet



Sienna

For more detailed information on the dimensions of our Nuway Tuftiguard Entrance Systems, please visit www.forbo-flooring.co.uk/downloads, or contact our Entrance Flooring Systems Customer Service team on **01773 740 688**.

Appendix C

Overdoor Heater



WINDBOX RECESSED

RECESSED



Options available

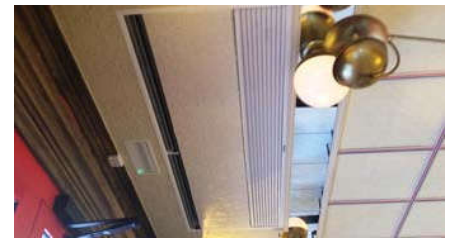
This attractive air curtain is for use in suspended ceilings and has separated air intake and outlets in order to avoid circulation of air. This increases the efficiency of the unit and maintains a strong seal across a doorway.

The casing is constructed from zinc plated steel, ready to be installed into a false ceiling. The inlet and outlet lamellas are integrated into a single white frame. Low noise centrifugal double inlet fans are driven by an external five-speed rotor motor with built-in thermal protection.

The Windbox Recessed is ideal for medium to large commercial premises and can be matched to the ceiling colour.

A standard manual controller, 7 metres of control cable and an IR handheld remote are included. Other control options available include the Clever controller or the BMS interface.

COLOURS AVAILABLE	MOUNTING OPTIONS	MAX DOOR HEIGHT	FAN OPTIONS	HEATING OPTIONS	LENGTHS AVAILABLE
White RAL9016 (standard) Any RAL colour	Horizontal	4.2m	AC fan (standard) EC fan (option)	Electric LPHW Heat pump Air only	1.0m 2.0m 1.5m 2.5m



Air only

Model	Max mounting height m	Airflow m³/h	Power/current fans 230V-50Hz kW/A	Noise level (@5m) dB(A)	Weight kg
RM 1000 A	3.5	1800	0.212 / 0.94	55	57
RM 1500 A	3.5	2700	0.318 / 1.41	56	85
RM 2000 A	3.5	3600	0.424 / 1.88	57	109
RM 2500 A	3.5	4500	0.530 / 2.35	58	137
RECM 1000 A	3.5	1840	0.150 / 1.30	56	57
RECM 1500 A	3.5	2760	0.225 / 1.95	57	85
RECM 2000 A	3.5	3680	0.300 / 2.60	58	109
RECM 2500 A	3.5	4600	0.375 / 3.25	59	137
RG 1000 A	3.8	2400	0.642 / 2.85	57	61
RG 1500 A	3.8	3200	0.856 / 3.80	58	90
RG 2000 A	3.8	4800	1.284 / 5.70	59	118
RG 2500 A	3.8	5600	1.498 / 6.65	60	145
RECG 1000 A	4.2	2700	0.225 / 1.95	61	61
RECG 1500 A	4.2	3600	0.300 / 2.60	62	90
RECG 2000 A	4.2	5400	0.450 / 3.90	63	118
RECG 2500 A	4.2	6300	0.525 / 4.55	64	145

Electrically heated

Model	Max mounting height m	Airflow m³/h	Electrical heating capacity 400Vx3-50Hz kW	Power/current fans 230V-50Hz kW/A	Noise level (@5m) dB(A)	Weight kg
RM 1000 E	3.5	1800	3/6/9	0.212 / 0.94	55	65
RM 1500 E	3.5	2700	4/8/12	0.318 / 1.41	56	98
RM 2000 E	3.5	3600	6/12/18	0.424 / 1.88	57	130
RM 2500 E	3.5	4500	6/12/18	0.530 / 2.35	58	162
RECM 1000 E	3.5	1840	3/6/9	0.150 / 1.30	56	65
RECM 1500 E	3.5	2760	4/8/12	0.225 / 1.95	57	98
RECM 2000 E	3.5	3680	6/12/18	0.300 / 2.60	58	130
RECM 2500 E	3.5	4600	6/12/18	0.375 / 3.25	59	162
RG 1000 E	3.8	2400	5/10/15	0.642 / 2.85	57	70
RG 1500 E	3.8	3200	7.5/15/22.5	0.856 / 3.80	58	104
RG 2000 E	3.8	4800	10/20/30	1.284 / 5.70	59	140
RG 2500 E	3.8	5600	10/20/30	1.498 / 6.65	60	172
RECG 1000 E	4.2	2700	5/10/15	0.225 / 1.95	61	70
RECG 1500 E	4.2	3600	7.5/15/22.5	0.300 / 2.60	62	104
RECG 2000 E	4.2	5400	10/20/30	0.450 / 3.90	63	140
RECG 2500 E	4.2	6300	10/20/30	0.525 / 4.55	64	172

The UK's Leading Air Curtain Specialist

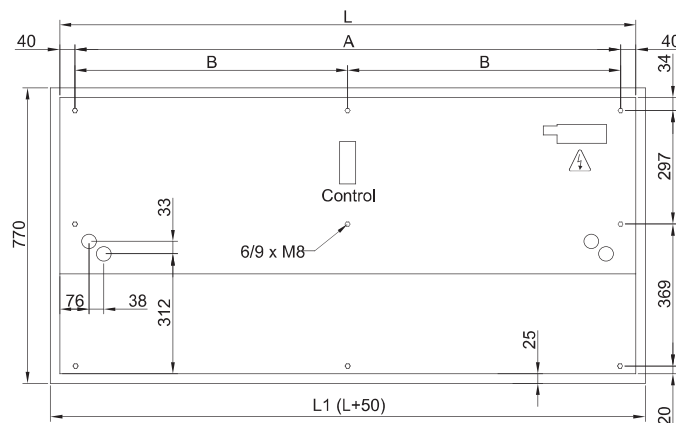
JS air curtains

Water heated

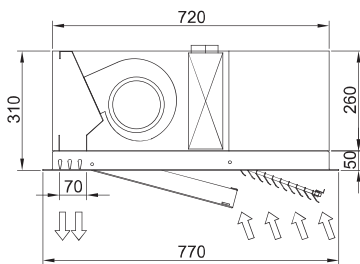
Model	Max mounting height m	Airflow m³/h	P86		P64		P54		Power/current fans 230V-50Hz kW/A	Noise level (@5m) dB(A)	Weight kg
			Water heating capacity 80/60°C kW	Water drop pressure 80/60°C Pa	Water heating capacity 60/40°C kW	Water drop pressure 60/40°C Pa	Water heating capacity 50/40°C kW	Water drop pressure 50/40°C Pa			
RM 1000 P	3.5	1660	9.17	880	8.56	4370	8.52	1220	0.428 / 1.90	56	63
RM 1500 P	3.5	2490	14.26	760	13.69	6460	14.34	4480	0.642 / 2.85	57	93
RM 2000 P	3.5	3320	20.65	1930	18.26	4790	18.65	2060	0.856 / 3.80	58	122
RM 2500 P	3.5	4150	26.92	3810	22.12	3850	24.32	4040	1.070 / 4.75	59	153
RECM 1000 P	3.5	1720	9.38	920	8.77	4560	8.74	1280	0.150 / 1.30	56	63
RECM 1500 P	3.5	2580	14.58	790	14.02	6730	14.71	4690	0.225 / 1.95	57	93
RECM 2000 P	3.5	3440	21.12	2010	18.70	4990	19.13	2150	0.300 / 2.60	58	122
RECM 2500 P	3.5	4300	27.53	3960	23.33	4010	24.95	4230	0.375 / 3.25	59	153
RG 1000 P	3.8	2250	11.04	1230	10.42	6190	10.56	1790	0.642 / 2.85	57	67
RG 1500 P	3.8	3000	16.02	940	15.47	8020	16.37	5670	0.856 / 3.80	58	98
RG 2000 P	3.8	4500	24.92	2700	22.29	6810	23.15	3030	1.284 / 5.70	59	131
RG 2500 P	3.8	5250	31.16	4930	26.61	5060	28.76	5450	1.498 / 6.65	60	163
RECG 1000 P	4.2	2550	11.89	1400	11.27	7110	11.50	2090	0.225 / 1.95	61	67
RECG 1500 P	4.2	3400	17.29	1070	16.77	9240	17.86	6620	0.300 / 2.60	62	98
RECG 2000 P	4.2	5100	26.86	3080	24.14	7850	25.24	3530	0.450 / 3.90	63	131
RECG 2500 P	4.2	5950	33.63	5650	28.84	5840	31.38	6360	0.525 / 4.55	64	163

P86 - 2 rows coil, 2 x ¾" female connector. P64 - 3 rows coil, 2 x ¾" female connector. P54 - 4 rows coil, 2 x 1" male connector.

Layout and dimensions



	L	L1	A	B
Recessed Windbox 1000	1000	1050	920	-
Recessed Windbox 1500	1500	1550	1420	710
Recessed Windbox 2000	2000	2050	1920	960
Recessed Windbox 2500	2500	2550	2420	1210



Appendix D

Track Lighting and Spot Lighting



UT SPOT TRACK Ø57 ON BOARD DIMMER INCLUDED

Number of heads	1
Mounting	Track mounting
Lamps description	LED Array 21,5W 2500 lm 3000K CRI 80
Luminaire luminous flux	See reference number
Voltage (V)	220/240
Environment	Indoor
Notes	Screening crosspiece, lenses and Honeycomb directly installable on the head of the luminaire without needing any fastening accessory. Installation compatible with Honeycomb + Lense at the same time. FLOS three-phase lighting track luminaires are designed and fully tested for tracks recommended by FLOS. Compatibility is guaranteed with three-phase track produced by Nordic Aluminium. Compatibility with Eutrac under request.

OPTICAL

Reflector finish	Aluminum
Aiming	Adjustable
Light distribution symmetry	Symmetric
Beam angle	12° Spot

ELECTRICAL

Transformer availability	Included
Transformer mounting	Integral
Transformer type	Electronic dimmable
Emergency	Without
Insulation class	Class II

PHYSICAL

Spot diameter (mm)	57
Construction material	Aluminium
Weight (kg)	0,57

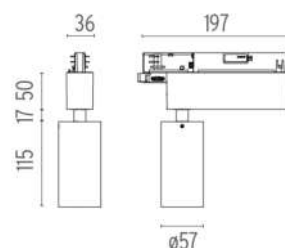


UT Spot Track Ø57 On Board Dimmer Included

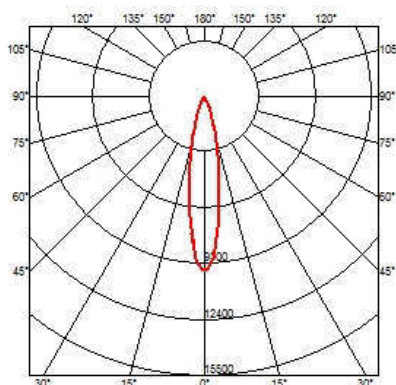
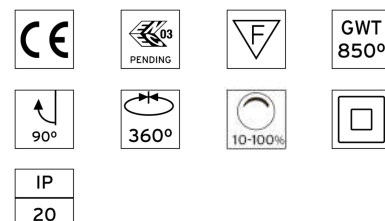
designed by FLOS Architectural

Spotlight to be installed on 3-phase track. with LED light source. 220-240V, 50-60Hz power supply integrated.

09.4440.30A - 2007lm	White
09.4440.14A - 2007lm	Black



CERTIFICATIONS



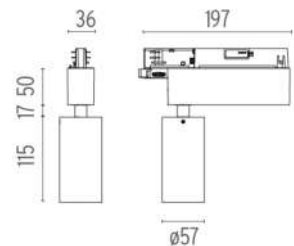


UT Spot Track Ø57 On Board Dimmer Included

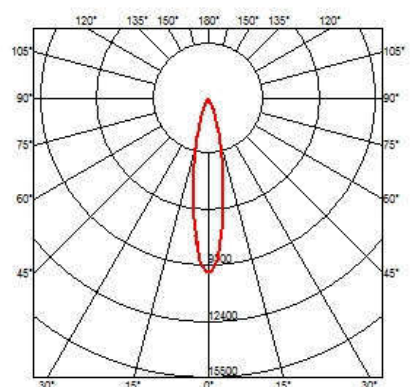
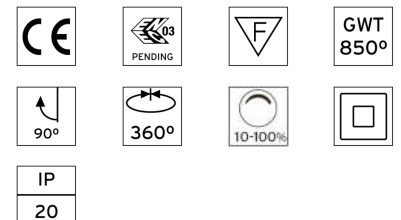
designed by FLOS Architectural

Spotlight to be installed on 3-phase track, with LED light source. 220-240V, 50-60Hz power supply integrated.

- 09.4440.30A - 2007lm White
- 09.4440.14A - 2007lm Black



CERTIFICATIONS



Esprit LED

Compact downlighter

Whitecroft
lighting

IP44

LED



Opal disc



Floating ring

Optics

- Output Options:
 - 1100 lumens (13W)
 - 2000 lumens (24W)
 - 3000 lumens (29W)
- Supplied complete with anodised specular reflector
- Two colour temperature options;
 - 'Cool' white 4000K
 - 'Warm' white 3000K
- Optional integral emergency options in 3hr or COMECS (COMECS can be wired as Easytest if required)

Body

- IP44 as standard
- Supplied complete with driver in fixed output or DALI
- Black cast aluminium heatsink with white polycarbonate body and bezel
- Optional attachments available for visual differentiation or wipe-clean surface (supplied separately);
 - IP44 clear or opal flat polycarbonate disc
 - Architectural floating ring with clear sides and an opal underside
 - Anti-glare control insert for reduction of glare
- Rapid spring assembly installation
- For ceiling thicknesses of 1mm - 30mm
- RAL Colour: RAL9003

Order codes

4000K

				B50		
4000K	Fixed Output	3hr Emergency	LL/CW	L70	L80	L90
1100 lumens (13W)	ESLH14K	ESLH14KEM	89	>100k	>100k	74k
2000 lumens (24W)	ESLH24K	ESLH24KEM	83	>100k	77k	36k
3000 lumens (29W)	ESLH34K	ESLH34KEM	101	>100k	85k	39k

Accessories

Clear Disc	ESLA-IP44C
Opal Disc	ESLA-IP44
Architectural floating ring	ESLA-3
Anti glare control insert	MLA-AGC

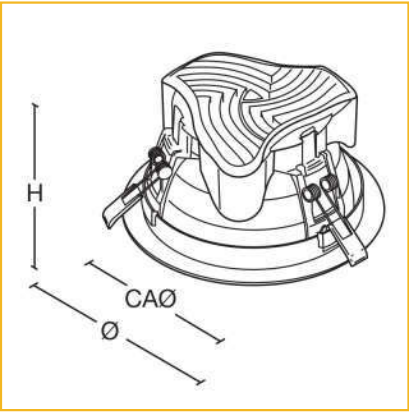
Options

3000K	Replace 4K with 3K
COMEPS*	Add suffix /EP
DALI	Replace H with Y

LED Performance

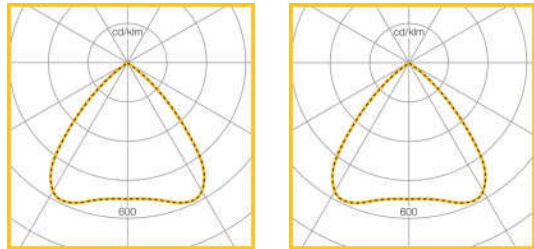
Colour Temp	RA (CRI)	Colour consistency
4000K	>80	MacAdam 3 SDCM

Dimensions



H	KG	KG(EM)	Ø	CAØ
99.1	1	2	192	165

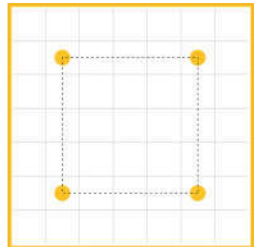
Photometric Performance



4000K 13W, 1100
Lumen
LOR = 100.0%
SHR MAX = 1.65

4000K 24W, 2000
Lumen
LOR = 100.0%
SHR MAX = 1.65

Performance Guide



Lamps	4000K LED
Luminance	203 lux
Spacing	3.0m x 3.0m
Maintenance	0.8
Reflectance	70/50/20
Ceiling Height	2.7m
Working plane	0.8m

To Specify

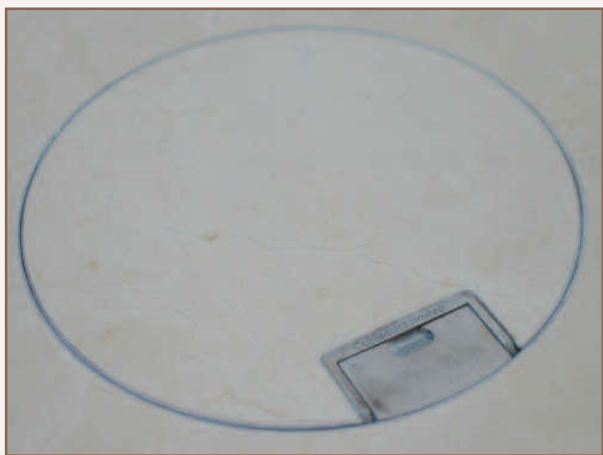
Recessed LED downlight with cast aluminium heatsink, white polycarbonate body and bezel, and integral 1100 / 2000 / 3000 lumen light engine and driver. 165mmØ cut aperture for ceiling thicknesses of 1-30mm. Rapid spring assembly installation – as Whitecroft Lighting ESPRIT LED

Appendix E

Floorbox



The 700 round series floor box offers a huge number of variations, enabling it to satisfy almost any site conditions. The make up of the box is shown below, together with the options available. If your required option is not covered here please call our sales team who would be happy to suggest alternatives.



Lid options

- Brass

or stainless steel

- As standard with a recessed lid (lid recess to be any depth to suit your floor covering†) or with a flat lid

Optional Extras:

SBOX-700-BRONZE Extra to supply a bronze surface finish to a brass box to achieve a dark brown antique bronze effect

SBOX-700-CL-HAN Extra to supply the handle without the Cableduct name

SBOX-700-FL-MIR Extra to supply lid with a mirror polished outlet flap

SBOX-700-FLANGE Extra to supply frame with a trim

SBOX-700-FLTID Extra to supply lid with a flat lid

SBOX-MIRROR Extra to supply lid with a mirror polished flap and a Mirror polished frame (usually required only on a trim frame)

Frame Options

- As standard without trim flange
Optional trim flange available

Outlet flap options

The outlet flap is cast from the same material as the lid and frame

- Standard satin finish on the outlet flap, also available in mirror polished
- Standard handle contains Cableduct name. Also available without the name

Base options (See page 2 for further information)

- Depth (85 or 120 as standard, or any depth greater than 65mm is possible). Note 80mm minimum depth to top of finished floor
- Feed type - conduit (cavity or screed), in screed trunking
- Fitting type - either RETRO style with the base fitting entirely within the 289mm diameter (SBOX-7RLR),

or fitted on a larger base box (SBOX-7RL)

- As standard gives 30mm plug top space for 65mm boxes, 30mm for 85mm boxes, and 70mm for 120 deep box. Any plug top space can be provided.

† We recommend a recess of 30mm or less due to the weight of the lid when filled



*Antique Bronze finish available
Note it is a surface finish only*

Bases are held in stock, tops are finished to order and made to your specific lid recess which must be specified on order. To order please call on 020 8683 1126, fax on 020 8689 7896 or email info@cableductuk.com

Code		Number of outlet plates	Outlet plate prefix	Box size (mm)††	Base box depth (mm)	Plug top space (mm)
Stainless Steel	Brass					
SBOX-7RLR-65-ST	SBOX-7RLR-65-BR	three	SBOX-7RO**	289x289	65	30
SBOX-7RLR-85-ST	SBOX-7RLR-85-BR	three	SBOX-7RO**	289x289	85	30
SBOX-7RLR-120-ST	SBOX-7RLR-120-BR	three	SBOX-7RO**	289x289	120	70
SBOX-7RL-65-ST	SBOX-7RL-65-BR	three	SBOX-5**	306x306	65	30
SBOX-7RL-85-ST	SBOX-7RL-85-BR	three	SBOX-5**	306x306	85	30
SBOX-7RL-120-ST	SBOX-7RL-120-BR	three	SBOX-5**	306x306	120	70



Standard finish stainless steel, shown 7RLR retro



Standard finish brass, shown 7RS square base

SBOX-7RLR:

Octagonal base fits within the diameter of the top lid

SBOX-7RL:

Top round lid fits within larger square base box

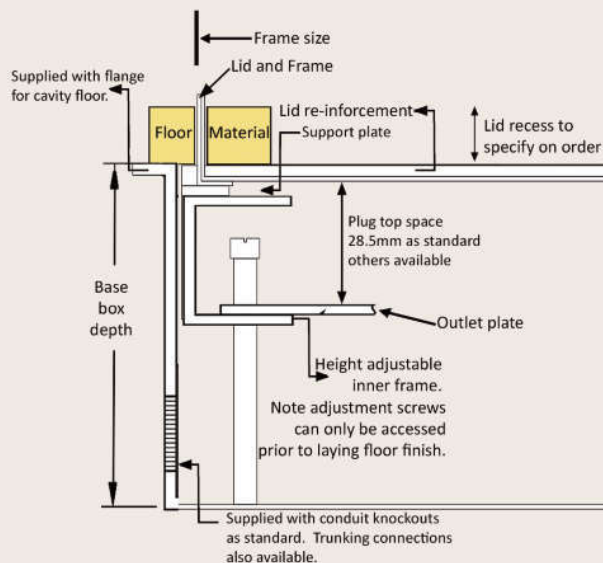
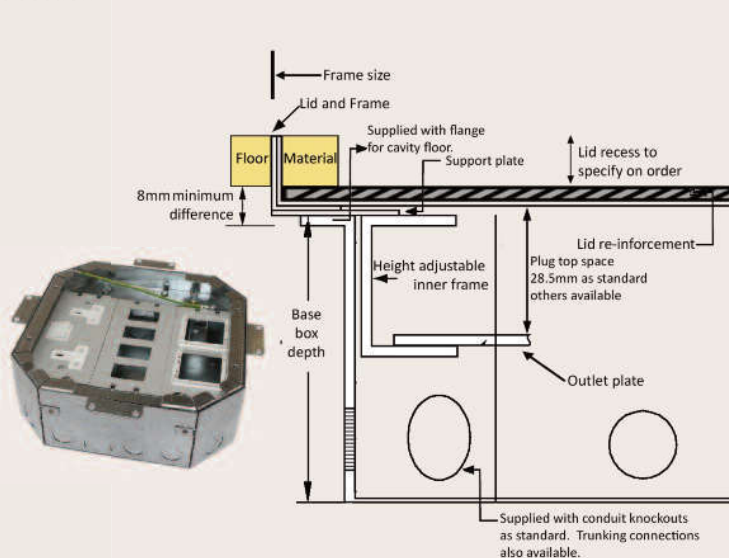
Benefits

- The top lid and frame can be levelled after the surrounding floor finish has been laid
- When laying in screed or terrazzo floor there is no risk of pitting as the depth is uniform
- The recess inside the lid can be made to match the thickness of the surrounding floor

Site issues

- There is a difference of at least 8mm between the infill inside the lid and the top of the sub floor due to material thicknesses. This is addressed by reducing the thickness inside the lid relative to the surrounding floor by adjusting packing layers or cutting down the timber or stone
- The lid must be levelled to the level of the final floor finish prior to the floor being laid over the top of the base box
- The height of the top lid and frame must be at least equal to the thickness of the surrounding floor, even when fitted with a flat lid

Cross section



Outlet plates



SBOX-7RO01
Blank Plate



SBOX-501
Blank Plate



SBOX-7RO54
Twin switched socket



SBOX-554
Twin switched socket



SBOX-7RO76
2 x 5A sockets



SBOX-576
2 x 5A sockets



SBOX-7RO59
2 x Euromod 50x50 apertures



SBOX-559
2 x Euromod 50x50 apertures



SBOX-7RO61+
Twin latched 13A RCD



SBOX-561+
Twin latched 13A RCD



SBOX-7RO91++
4 x LJ6C apertures



SBOX-591++
4 x LJ6C apertures

Appendix F

Cupboard Cladding



1. Description and range

Valchromat® A Forest of Colour

Valchromat is a wood fibre panel coloured throughout engineered for high physical performance. The fibres are individually impregnated with organic dyes and chemically bonded by specifically developed resins that give the panels their special properties.

Colours / Thicknesses(mm)	8	12	16	19	30	Dimensions(mm) 3660x2440 3660x1220 2440x1830 2440x1220
Light Grey SLG	•	•	•	•	•	
Grey SCZ	•	•	•	•	•	
Black SBL	•	•	•	•	•	
Chocolate Brown SCB	•	•	•	•	•	
Red SSC	•	•	•	•	•	
Yellow SYW	•	•	•	•	•	
Orange SOR	•	•	•	•	•	
Violet SVI	•	•	•	•	•	
Blue SRB	•	•	•	•	•	
Green Mint SGM	•	•	•	•	•	

NOTE 1: Valchromat can present different shades due to wood have natural variations of tone.

NOTE 2: Valchromat is provided without finishing.

2. Applications *

Interior Design | Furniture | Walls | Flooring | Doors | Bathrooms | Exhibition Stands | Displayers | Restaurants - Bars – Hotels | Shopfitting | Decorative Panels | Acoustic Panels | And others

3. Certifications

Valbopan, SA meets the requirements of the standard NP EN ISO 9001:2008.

Valchromat has the certification of conformity CE 1328-CPD-0062.

Valbopan, SA holds a Certification of Chain of Responsibility (CoR), in accordance with the relevant standards, PEFC and FSC.

4. Properties

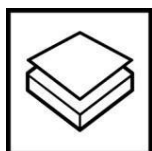
Nominal Thickness

Feature	Unit	8	12	16	19	30	Standard
Density (± 30)	Kg/m3	850	820	800	790	740	EN 323
Swelling (24 hours)	%	12	10	8	8	7	EN 317
Internal Bond	N/mm2	0,80	0,80	0,75	0,75	0,75	EN 319
Bending Strenght	N/mm2	42	40	38	38	36	EN 310
Modulus of Elasticity	N/mm2	3400	3200	3100	3100	3000	EN 310
Swelling After Cyclic Test	%	19	16	15	15	15	EN 321
Internal Bond After Cyclic Test	N/mm2	0,30	0,25	0,20	0,20	0,15	EN 321
Level of Formaldehyde	mg/ 100g dry board	≤ 8 (Class E1)					EN 120
Fire Reaction		F	≥12 a ≤30 (Class D-s2, d0)				EN 13501
Thickness Tolerance	mm	±0,2			±0,3		
Dimension Tolerance	mm/m	±2; máximo ±5					

Cyclic Tests, Hydrophobic Test Standard (EN 321)

	Temperature (°C)	Length (Hours)
In the Water	20 $\pm$ 1	70 $\pm$ 1
In the Freezer	-12 a -25	24 $\pm$ 1
In the Oven	70 $\pm$ 2	70 $\pm$ 1

5. Advantages



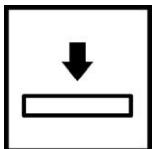
Coloured throughout

Colour remains, even after cut or machined.
 It does not require the use of paint.
 It does not require gluing an edge.



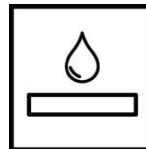
Non Toxic

Ecological organic dyes.
 Formaldehyde emissions are within the limits set by European standards.



Weight Resistant

It has a high bending resistance.



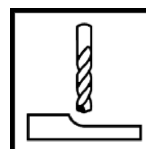
Moisture Resistant

It is resistant to moisture so it can be used in kitchens, bathrooms and floors. *



Tool Friendly

It is a low abrasion product considered tools-friendly.



Easy to Machine

It has a greater internal bond, which gives it a higher mechanical strength.
 30% stronger than standard MDF.

* To get more information about the most appropriate finish, please contact us.