



Philips luminous textile with **kvadrat** soft cells

Specifications sheet luminous textile panel

PHILIPS

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I. Specifications luminous textile panel

General characteristics

- Finish Kvadrat textiles, see § 1.1
- Usage environment Indoor only

Mechanical characteristics

- Width From 0.72 to 1.20 m, see § 1.3
- Height From 0.72 to 6.48 m, see § 1.3
- Thickness 127 mm, including mounting elements
- Mounting Wall (portrait or landscape), ceiling mount, surface or recessed, see § 2)
- Weight per panel See § 1.4

Electrical characteristics

- Input voltage 100 - 240 V
- Input frequency 50 - 60 Hz
- Input power max* 55 W per m² (5.1 W per ft²)

Optical characteristics

- Luminous flux max 500 lumen for 1 m² (46 lumen per ft²)
- Luminance max 170 cd/m² (16 cd/ft²)

- Light output and Ambient contrast ratio values depend on textile finish type, see § 1.1

Controls

- Content playback system Integrated on-board playback system, see Content Manager software
- Scalability Unlimited panels
- Control webpage play, stop, next, previous, album and playlist selection, scheduling, manuals, apps and administration section
- Remote Control (optional) play, stop, next, previous
- Scheduling Per minute, recurring events, multiple events
- System integration (triggering) Default start, stop, previous, next etc. using HTTP GET, TCP commands, Philips Dynalite Dynet protocol, or Philips Color Kinetics (remote) ethernet keypad **
- System integration (external players) 3rd party control system compatible via Art-Net and KiNET (Philips Color Kinetics) protocol **

Content software characteristics

- Content management Content Manager software
- Platform Microsoft Windows XP with Service Pack (SP2) or Windows 7 with Service Pack 1, Microsoft .NET 4.0 or later
- Input video format Windows Media Video (.wmv)
- Frame rate max 50 fps
- Number of colors 16.8 M

Acoustic properties

- Weighted absorption $\alpha_w = 0.45$ (LM)
- EN ISO 11654 rating Class D, see § 3

Operating conditions:

- Operating temperature 5 - 35 °C (41 - 95 °F)
- Relative humidity max. 95 % non-condensing

Fire safety

- EN 13501-2 Euroclass B-s2,d0, see § 1.2
- UL723/ASTM E84/NFPA 255 Class A

Approvals

- CE, UL, CCC, GOST-R marking

* The actual power consumption depends on the content played

** For more information please see the system integration manual on <http://www.largeluminoussurfaces.com/content/downloads-luminous-textile>

1.1. Textiles

The luminous textile panels are covered with Kvadrat textiles.

Kvadrat holds a leading position in the European market of design-textiles supplying renowned architects, designers and furniture manufacturers throughout the world for use in upholstery and curtains.

To get more information about all available textiles please visit: <http://www.largeluminoussurfaces.com/textile> click on Fabric to select the textile type.

¹ Luminance: This is a measure for how intense a surface radiates in a particular direction and angle.

² Ambient contrast class: This class measures how well content played on the luminous textile panel remains visible in the presence of ambient lighting, class A has the highest contrast.

1.2. Fire safety

The luminous textile panels are tested and classified (Euroclass system) with respect to their fire separation performance and smoke tightness. Classification: B-s2,d0

AI		
A2-s1,d0	A2-s1,d1	A2-s1,d2
A2-s2,d0	A2-s2,d1	A2-s2,d2
A2-s3,d0	A2-s3,d1	A2-s3,d2
B-s1,d0	B-s1,d1	B-s1,d2
B-s2,d0	B-s2,d1	B-s2,d2
B-s3,d0	B-s3,d1	B-s3,d2
C-s1,d0	C-s1,d1	C-s1,d2
C-s2,d0	C-s2,d1	C-s2,d2
C-s3,d0	C-s3,d1	C-s3,d2
D-s1,d0	D-s1,d1	D-s1,d2
D-s2,d0	D-s2,d1	D-s2,d2
D-s3,d0	D-s3,d1	D-s3,d2
E		
E-d2		
F	according to EN 13501-2	

Indicative performance descriptions and fire scenarios for Euroclasses:

Class	Performance description
AI	No contribution to fire
A2	No contribution to fire
B	Very limited contribution to fire
C	Limited contribution to fire
D	Acceptable contribution to fire
E	Acceptable contribution to fire
F	No performance requirements

Smoke Class	
s1	Little or no smoke generation
s2	Medium smoke generation
s3	Heavy smoke generation
Flaming droplets Class	
d0	No droplets within 600 seconds
d1	Droplet form within 600 seconds but do not burn for more than 10 seconds
d2	Not as d0 or d1

1.3. Available sizes

		Length [m]								
		0.72	0.78	0.84	0.9	0.96	1.02	1.08	1.14	1.2
Width [m]	0.72	0.72	0.78	0.84	0.9	0.96	1.02	1.08	1.14	1.2
	0.78	1.26	1.32	1.38	1.44	1.5	1.56	1.62	1.68	1.74
	0.84	1.8	1.86	1.92	1.98	2.04	2.1	2.16	2.22	2.28
	0.9	2.34	2.4	2.46	2.52	2.58	2.64	2.7	2.76	2.82
	0.96	2.88	2.94	3	3.06	3.12	3.18	3.24	3.3	3.36
	1.02	3.42	3.48	3.54	3.6	3.66	3.72	3.78	3.84	3.9
	1.08	3.96	4.02	4.08	4.14	4.2	4.26	4.32	4.38	4.44
	1.14	4.5	4.56	4.62	4.68	4.74	4.8	4.86	4.92	4.98
	1.2	5.04	5.1	5.16	5.22	5.28	5.34	5.4	5.46	5.52
		5.58	5.64	5.7	5.76	5.82	5.88	5.94	6	6.06
6.12		6.18	6.24	6.3	6.36	6.42	6.48			

		Length [inches]								
Width [inches]	28" 11/32	28" 11/32	30" 23/32	33" 2/32	35" 14/32	37" 25/32	40" 5/32	42" 17/32	44" 28/32	47" 8/32
	30" 23/32	49" 19/32	51" 31/32	54" 11/32	56" 22/32	59" 2/32	61" 13/32	63" 25/32	66" 5/32	68" 16/32
	33" 2/32	70" 28/32	73" 7/32	75" 19/32	77" 30/32	80" 10/32	82" 22/32	85" 1/32	87" 13/32	89" 24/32
	35" 14/32	92" 4/32	94" 16/32	96" 27/32	99" 7/32	101" 18/32	103" 30/32	106" 10/32	108" 21/32	111" 1/32
	37" 25/32	113" 12/32	115" 24/32	118" 4/32	120" 15/32	122" 27/32	125" 6/32	127" 18/32	129" 29/32	132" 9/32
	40" 5/32	134" 21/32	137" 0/32	139" 12/32	141" 23/32	144" 3/32	146" 15/32	148" 26/32	151" 6/32	153" 17/32
	42" 17/32	155" 29/32	158" 9/32	160" 20/32	162" 32/32	165" 11/32	167" 23/32	170" 3/32	172" 14/32	174" 26/32
	44" 28/32	177" 5/32	179" 17/32	181" 28/32	184" 8/32	186" 20/32	188" 31/32	191" 11/32	193" 22/32	196" 2/32
	47" 8/32	198" 14/32	200" 25/32	203" 5/32	205" 16/32	207" 28/32	210" 8/32	212" 19/32	214" 31/32	217" 10/32
		219" 22/32	222" 2/32	224" 13/32	226" 25/32	229" 4/32	231" 16/32	233" 27/32	236" 7/32	238" 19/32
240" 30/32		243" 10/32	245" 21/32	248" 1/32	250" 13/32	252" 24/32	255" 4/32			

1.4. Weight

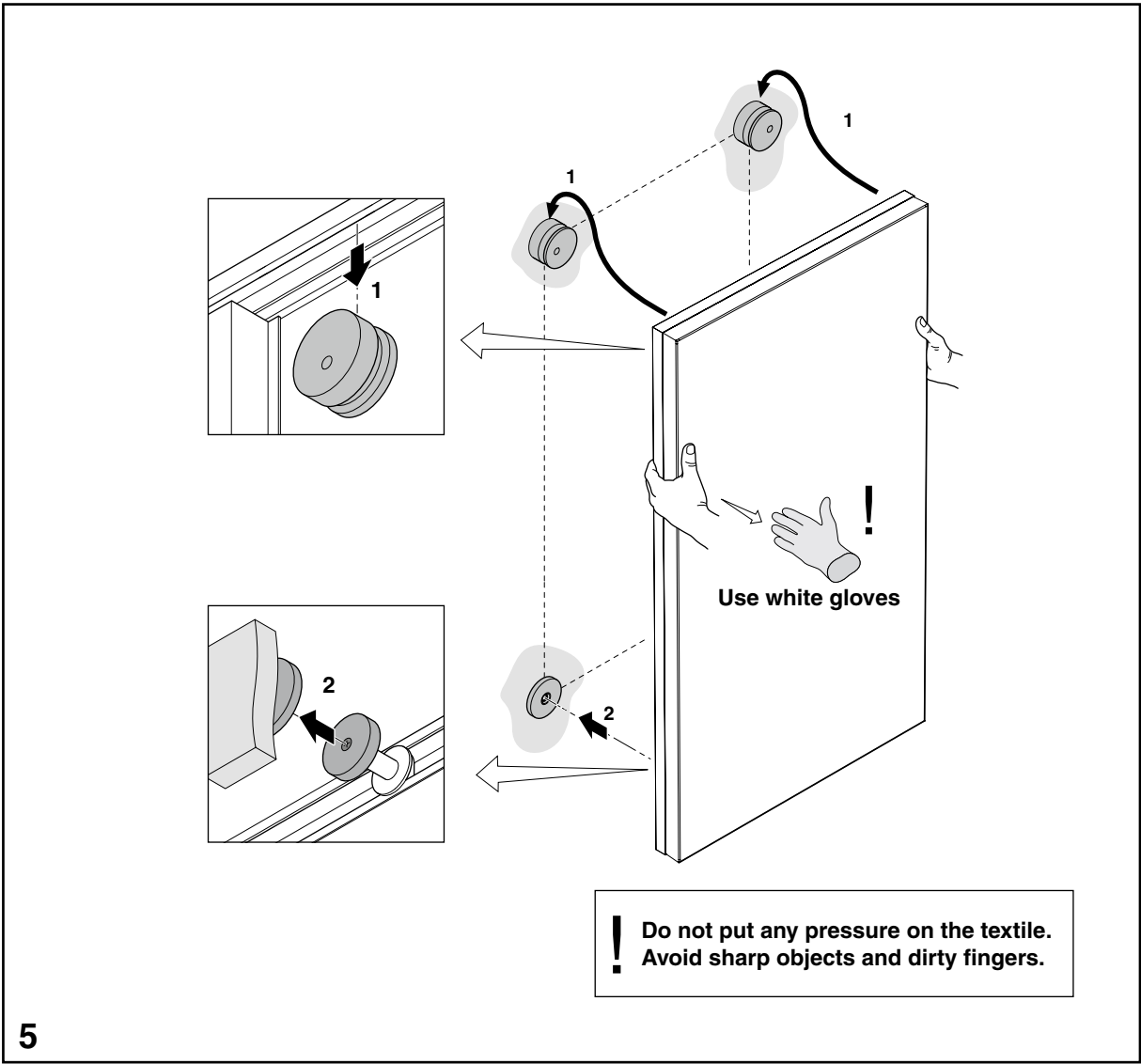
Weight of the luminous textile panel in kg (including mounting parts, excluding packaging).

Size [m]		Size [inches]		Weight	
Width	Length	Width	Length	kg	lbs
0.72	0.72	28" 11/32	28" 11/32	10	22
	1.62		63" 25/32	17	37
	2.7		85" 1/32	25	55
	3.96		155" 29/32	34	75
	4.5		177" 5/32	43	95
	5.52		217" 10/32	51	112
	6.48		255" 4/32	58	128
1.2	0.72	47" 8/32	28" 11/32	13	29
	1.62		63" 25/32	20	44
	2.7		85" 1/32	30	66
	3.96		155" 29/32	40	88
	4.5		177" 5/32	50	110
	5.52		217" 10/32	60	132
	6.48		255" 4/32	68	150

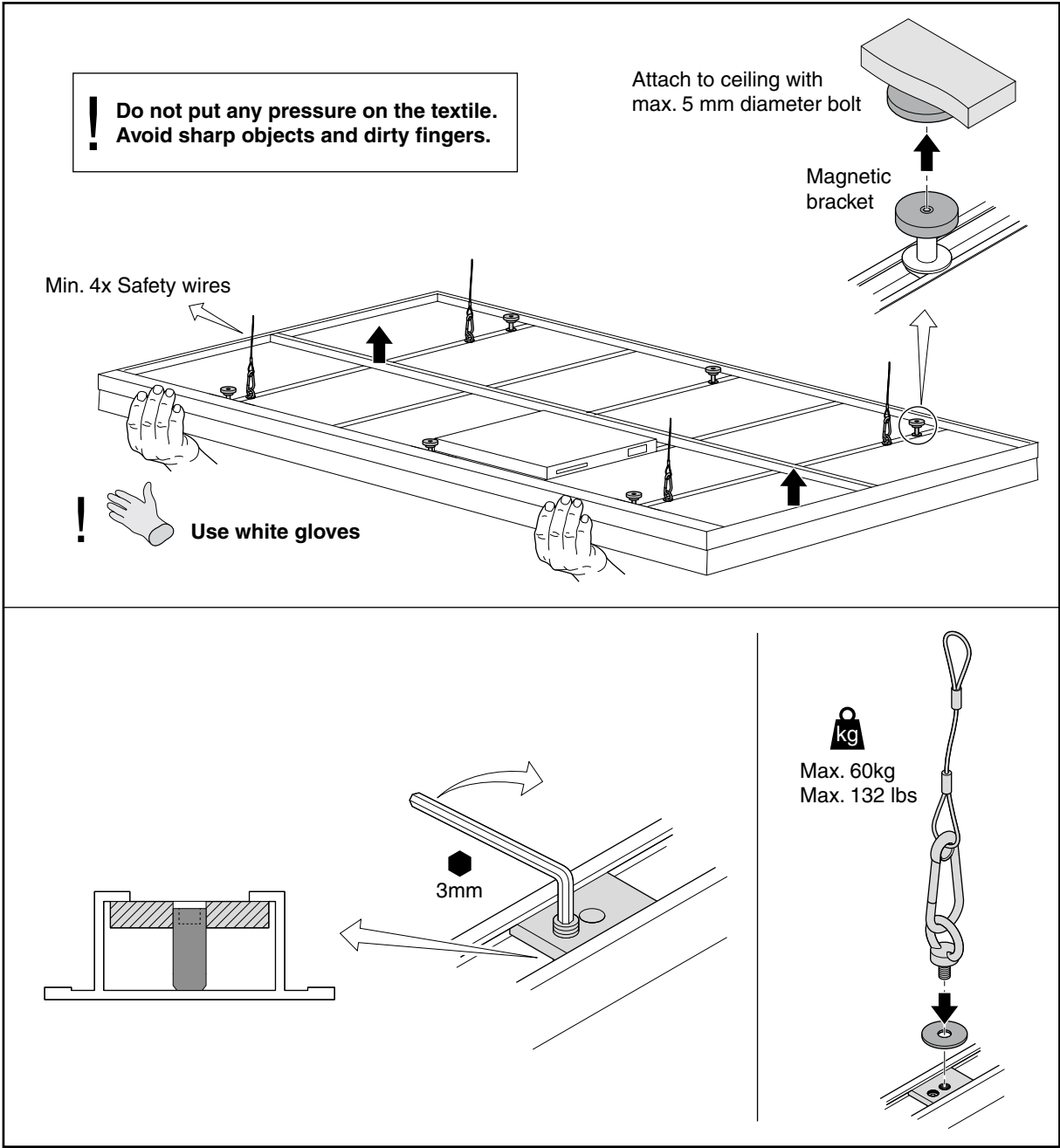
2. Mounting options

The quantity and position of mounting elements depends on the LTP height and orientation. For details, refer to the mechanical drawings also provided on our website www.LLcontent.com

2.1. Wall mounting (portrait or landscape)



2.2. Ceiling mounting



3. Acoustic absorption sheet

2.3. Pending ceiling mounting

! Do not put any pressure on the textile.
Avoid sharp objects and dirty fingers.

Min. 4x wire interfaces
See table

! Use white gloves

1

Table

Pending ceiling mounting	
Length (m)	Min. wire interfaces
0-2	4
2-3	6
3-4	8
4-5	10
5-6	12
>6	14

POSILOCK interface Karl Stahl

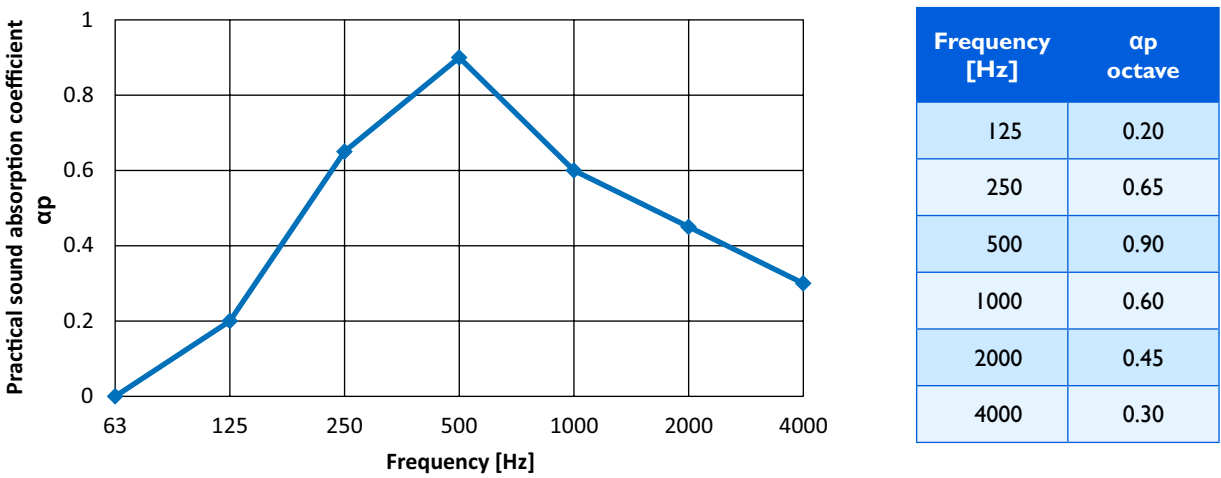
Suspended ceilings:
The ceiling mounting kit is compatible with the Carl Stahl POSILOCK suspended ceiling system.

For more information about the POSILOCK system: www.carlstahl.com

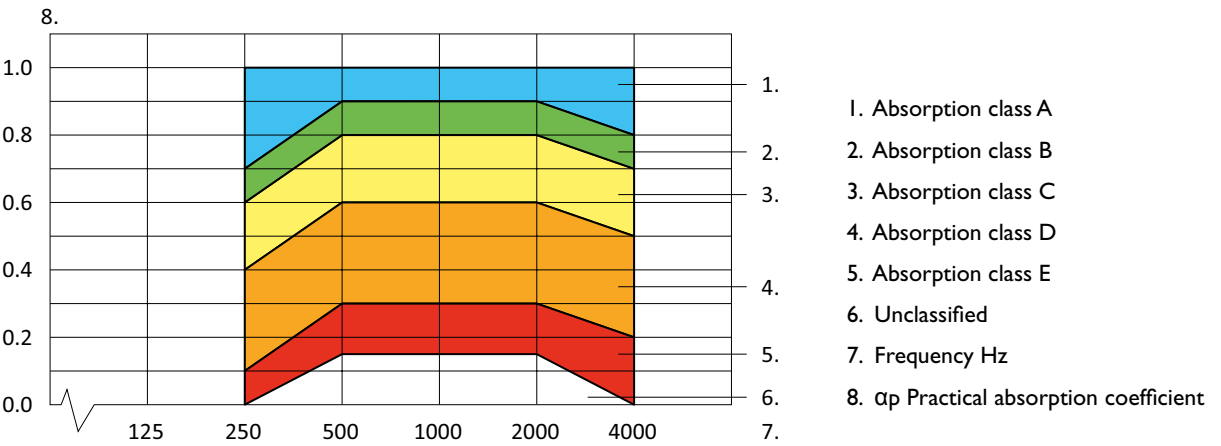
2

Measurement results of the practical sound absorption coefficient α_p according to EN ISO 11654.

Luminous textile panel covered with textile type Toto



Classification of sound absorbers into sound absorption Classes A-E. (EN ISO 11654)



Luminous textile panels rated according to EN ISO 11654, sound absorption Class D.

Weighted sound absorption coefficient $\alpha_w = 0.45$ (LM)

4. Contact

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