Unicoloured Lumera acrylic fabric
Unicoloured Standard acrylic fabric

Colour chart

Der SonnenLichtManager

Valid from 01.04.2018

Lumera acrylic fabric

4017 0 2 2 2

4018 0 2 2 2

4024 0 2 2 2

4015 0 3 2 3

4027 0 3 2 3

4023 0 3 2 3

4010 0 4 2 3

4009 0 4 3 4

4004 0 4 4 4

4035 0 3 4 4

4003 0 4 4 4

4000 0 4 4 4

4026 0 3 2 3

4028 0 2 2 2

4012 0 2 2 2

4011 0 3 2 3

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4029 0 4 4 4

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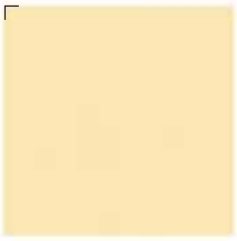
4031 0 4 4 4


4016 0 2 2 2

4019 0 2 2 2

4013 0 3 2 3

4038 0 3 2 3

4033 0 3 3 4

4006 0 3 4 4

4034 0 4 4 4

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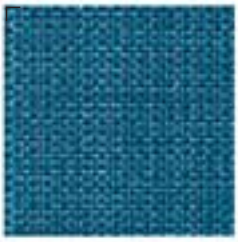
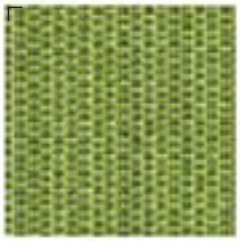
Lumera acrylic fabric



4037

4002

4020



4032

4001

Standard acrylic fabric

2808

2809

2806

2807

2810

5800
6240
6300
6310
7300
6150
7220
6400
6420
6470
6220
7310
6260
7610
7290
7240
7190
7230
7600
6370
6390
6640
6650
6200
6320
6550
6110
7170
6230
6670

5840 | 7090 | 7650 | 7180 | 5850

7000 | 7160 | 5860 | 7020 | 6490

6140 | 6120 | 7390 | 7620 | 5570

6770 | 7360 | 7370 | 7320 | 7380

6100 | 7400 | 6740 | 5900 | 7670

7140 | 7660 | 7630 | 6080 | 5890

6840 0 4 4 4

7710 0 3 2 3

7680 0 4 4 4

7690 0 4 4 4

7640 0 4 4 4

7700 0 4 4 4

7730 0 2 2 2

7750 0 4 4 4

6450 0 4 4 4

6900 0 4 4 4

5560 0 4 4 4

7780 0 4 4 4

7860 0 3 2 3

7770 0 4 4 4

7850 0 3 2 2

7840 0 3 2 3

7810 0 4 4 4

7830 0 3 2 3

7820 0 4 4 4

5580 0 4 4 4

7800 0 4 4 4

7790 0 4 4 4

6371 0 4 4 4 **All Weather**

6372 2 4 3 2 **Perfora**

Description of acrylic fabrics

Lumera acrylic fabric

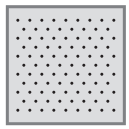
The innovative Lumera acrylic fabric is woven with the special CBA fibre (Clean Brilliant Acrylic). Along with all the benefits of the Standard acrylic fabric, this provides a few more positives. The acrylic multifilament fibre has a smoother and denser surface. This means that the colours turn out richer and more radiant and the fabric's luminance is increased for a long time. In addition the fabric density ensures higher tear resistance and generates a convenient self-cleaning effect. Dirt gets stuck less on the fabric and water is reliably repelled – this ensures the fabric's longevity. Last but not least, the Lumera acrylic fabric quality made from 100 % brand acrylic fabric is light-fast and weather-proof.

All Weather acrylic fabric

The high-grade All Weather acrylic fabric consists of 100 % brand acrylic fabric. The finish applied to the outside with a special transparent coating makes the fabric almost 100 % water-proof and even able to reliably withstand a water column of 1,000 mm. Manufactured from spinning nozzle dyed yarn, All Weather acrylic fabric is also light-fast, weather-proof and even tear-resistant. This means that the awning fabric provides reliable sun shading and glare control as well as temporary rain protection all in one.

Standard acrylic fabric

The tried and tested Standard acrylic awning fabric is manufactured from 100 % spinning nozzle dyed brand acrylic fabric. That means that the colour pigments – unlike in classic yarn dyeing – are applied during the fibre production. This ensures reliable protection against damaging UV radiation and permanently guarantees brilliant colours / constant weather and light-fastness. Furthermore, the acrylic fabric is especially tear-resistant and also dirt and water-repellent thanks to its impregnation with a special protective agent. The reliable solution for long-term use outdoors.



Perfora acrylic fabric

The Perfora acrylic awning fabric is manufactured from 100% spinning nozzle dyed brand acrylic fabric and is evenly perforated. This increases the view out and ensures better transparency. In addition, the perforation effectively prevents heat accumulation and reduces the risk of water pockets forming in the awning fabric in rainy weather. At the same time, it gives the fabric a high-grade, elegant look. With these advantageous characteristics, the Perfora acrylic fabric quality is particularly suitable for vertical shading such as window awnings or valance roller blinds.

Various standard designs can also be supplied in the All Weather and Perfora qualities. They are labelled with the pictograms shown above. You will find a grip pattern for this fabric quality on page 6.

Technical values	Lumera acrylic fabric	Standard acrylic fabric	All Weather acrylic fabric	Perfora acrylic fabric
Fabric weight	290 g/m²	290–300 g/m²	335 g/m²	270 g/m²
Web width	120 cm	120 cm	120 cm	120 cm
Tear resistance in warp direction	160 daN/5 cm	145–160 daN/5 cm	150 daN/5 cm	105 daN/5 cm
Tear resistance in werf direction	110 daN/5 cm	90–100 daN/5 cm	100 daN/5 cm	60 daN/5 cm
Waterproofness	460 mm WC	300–370 mm WC	1000 mm WC	–
Building materials class in accordance with DIN 4102-1	–	–	–	–

Plain coloured acrylic fabrics

Design no.	Quality	Price range	View out	Summer Thermal protection	Glare control	Visual privacy	Light reflectance in %	Light transmittance in %	Light absorption coefficient in %	Solar reflectance in %	Solar transmittance in %	Solar absorption coefficient in %	Colour rendering index	Page
4000	Lumera acrylic fabric	1	0	4	4	4	2	0	98	2	0	98	54	2
4001	Lumera acrylic fabric	1	0	4	4	4	5	0	95	8	0	92	70	3
4002	Lumera acrylic fabric	1	0	4	4	4	6	0	94	25	5	70	≤0	3
4003	Lumera acrylic fabric	1	0	4	4	4	11	0	89	14	0	86	94	2
4004	Lumera acrylic fabric	1	0	4	4	4	20	1	79	24	2	74	92	2
4006	Lumera acrylic fabric	1	0	3	4	4	10	1	89	43	14	43	≤0	2
4008	Lumera acrylic fabric	1	0	3	2	3	32	4	64	45	14	41	52	2
4009	Lumera acrylic fabric	1	0	4	3	4	29	3	68	32	4	64	84	2
4010	Lumera acrylic fabric	1	0	4	2	3	31	5	64	32	5	63	97	2
4011	Lumera acrylic fabric	1	0	3	2	3	42	9	49	52	18	30	55	2
4012	Lumera acrylic fabric	1	0	2	2	2	50	16	34	54	20	26	78	2
4013	Lumera acrylic fabric	1	0	3	2	3	50	13	37	51	18	31	27	2
4015	Lumera acrylic fabric	1	0	3	2	3	49	12	39	51	14	35	92	2
4016	Lumera acrylic fabric	1	0	2	2	2	64	25	11	61	23	16	82	2
4017	Lumera acrylic fabric	1	0	2	2	2	63	26	11	65	28	7	97	2
4018	Lumera acrylic fabric	1	0	2	2	2	55	19	26	56	21	23	96	2
4019	Lumera acrylic fabric	1	0	2	2	2	53	18	29	53	22	25	53	2
4020	Lumera acrylic fabric	1	0	3	3	4	30	3	67	36	9	55	37	3
4021	Lumera acrylic fabric	1	0	3	4	4	19	1	80	35	12	53	86	2
4023	Lumera acrylic fabric	1	0	3	2	3	35	6	59	38	12	50	91	2
4024	Lumera acrylic fabric	1	0	2	2	2	56	20	24	57	21	22	96	2
4025	Lumera acrylic fabric	1	0	3	2	3	32	5	63	43	12	45	60	2
4026	Lumera acrylic fabric	1	0	3	2	3	54	15	31	55	17	28	83	2
4027	Lumera acrylic fabric	1	0	3	2	3	40	7	53	42	9	49	81	2
4028	Lumera acrylic fabric	1	0	2	2	2	54	16	30	59	21	20	80	2
4029	Lumera acrylic fabric	1	0	4	4	4	19	1	80	26	4	70	55	2
4031	Lumera acrylic fabric	1	0	4	4	4	4	0	96	18	2	80	81	2
4032	Lumera acrylic fabric	1	0	3	3	4	22	3	75	34	9	57	57	3
4033	Lumera acrylic fabric	1	0	3	3	4	23	3	74	46	17	37	≤0	2
4034	Lumera acrylic fabric	1	0	4	4	4	5	0	95	17	1	82	≤0	2
4035	Lumera acrylic fabric	1	0	3	4	4	17	1	82	37	10	53	89	2
4036	Lumera acrylic fabric	1	0	4	4	4	5	0	95	9	1	90	49	2
4037	Lumera acrylic fabric	1	0	4	4	4	8	0	92	21	5	74	≤0	3
4038	Lumera acrylic fabric	1	0	3	2	3	30	5	65	46	16	38	≤0	2
2806	Standard acrylic fabric	1	0	3	2	3	44	11	45	52	17	31	73	3
2807	Standard acrylic fabric	1	0	4	3	4	21	2	77	32	6	62	58	3
2808	Standard acrylic fabric	1	0	4	2	3	37	6	57	39	8	53	90	3
2809	Standard acrylic fabric	1	0	4	4	4	5	0	95	6	0	94	56	3
2810	Standard acrylic fabric	1	0	3	2	3	45	11	44	53	17	30	47	3
5560	Standard acrylic fabric	1	0	4	4	4	12	1	87	20	3	77	86	6
5570	Standard acrylic fabric	1	0	2	2	2	54	16	30	55	20	25	55	5
5580	Standard acrylic fabric	1	0	4	4	4	13	1	86	19	3	78	91	6
5800	Standard acrylic fabric	1	0	2	2	2	64	27	9	64	27	9	98	4
5840	Standard acrylic fabric	1	0	3	2	3	38	7	55	43	11	46	58	5
5850	Standard acrylic fabric	1	0	4	3	4	27	3	70	31	5	64	71	5
5860	Standard acrylic fabric	1	0	4	4	4	11	0	89	14	0	86	57	5
5890	Standard acrylic fabric	1	0	3	4	4	8	0	92	37	10	53	≤0	5
5900	Standard acrylic fabric	1	0	4	3	4	22	3	75	33	7	60	45	5
6080	Standard acrylic fabric	1	0	3	4	4	13	1	86	38	11	51	≤0	5
6100	Standard acrylic fabric	1	0	3	2	3	36	6	58	49	17	34	≤0	5
6110	Standard acrylic fabric	1	0	3	2	3	50	14	36	50	15	35	72	4
6120	Standard acrylic fabric	1	0	2	2	2	52	15	33	58	21	21	70	5
6140	Standard acrylic fabric	1	0	2	2	2	57	20	23	58	22	20	72	5
6150	Standard acrylic fabric	1	0	3	2	3	46	12	42	47	13	40	96	4
6200	Standard acrylic fabric	1	0	2	2	2	53	18	29	54	20	26	90	4
6220	Standard acrylic fabric	1	0	4	3	4	31	4	65	35	6	59	87	4
6230	Standard acrylic fabric	1	0	3	2	3	44	10	46	48	13	39	73	4
6240	Standard acrylic fabric	1	0	2	2	2	60	26	14	60	27	13	98	4
6260	Standard acrylic fabric	1	0	4	4	4	28	2	70	32	3	65	94	4
6300	Standard acrylic fabric	1	0	2	2	2	56	23	21	58	24	18	97	4

Design no.	Quality	Price range	View out	Summer Thermal protection	Glare control	Visual privacy	Light reflectance in %	Light transmittance in %	Light absorption coefficient in %	Solar reflectance in %	Solar transmittance in %	Solar absorption coefficient in %	Colour rendering index	Page
6310	Standard acrylic fabric	1	0	3	2	2	52	17	31	54	19	27	98	4
6320	Standard acrylic fabric	1	0	2	2	2	49	16	35	55	22	23	89	4
6370	Standard acrylic fabric	1	0	4	4	4	7	0	93	9	0	91	88	4
6390	Standard acrylic fabric	1	0	4	4	4	6	0	94	7	0	93	97	4
6400	Standard acrylic fabric	1	0	3	2	3	37	10	53	36	10	54	97	4
6420	Standard acrylic fabric	1	0	3	2	3	36	5	59	41	9	50	92	4
6450	Standard acrylic fabric	1	0	4	4	4	10	0	90	20	2	78	15	6
6470	Standard acrylic fabric	1	0	3	2	3	33	5	62	37	8	55	93	4
6490	Standard acrylic fabric	1	0	2	2	2	61	22	17	61	23	16	83	5
6550	Standard acrylic fabric	1	0	2	2	2	53	19	28	56	23	21	76	4
6640	Standard acrylic fabric	1	0	2	2	2	63	28	9	62	27	11	92	4
6650	Standard acrylic fabric	1	0	2	2	2	55	18	27	60	22	18	85	4
6670	Standard acrylic fabric	1	0	3	2	3	43	7	50	52	14	34	79	4
6740	Standard acrylic fabric	1	0	3	4	4	9	0	91	34	8	58	≤0	5
6770	Standard acrylic fabric	1	0	2	2	3	50	15	35	51	19	30	42	5
6840	Standard acrylic fabric	1	0	4	4	4	10	1	89	27	6	67	≤0	6
6900	Standard acrylic fabric	1	0	4	4	4	3	0	97	9	0	91	71	6
7000	Standard acrylic fabric	1	0	4	4	4	14	1	85	18	2	80	26	5
7020	Standard acrylic fabric	1	0	4	4	4	8	0	92	13	2	85	75	5
7090	Standard acrylic fabric	1	0	3	3	4	26	3	71	35	9	56	64	5
7140	Standard acrylic fabric	1	0	4	4	4	25	1	74	32	5	63	17	5
7160	Standard acrylic fabric	1	0	3	4	4	15	1	84	34	10	56	47	5
7170	Standard acrylic fabric	1	0	3	2	3	38	8	54	42	11	47	69	4
7180	Standard acrylic fabric	1	0	3	2	3	31	6	63	45	14	41	92	5
7190	Standard acrylic fabric	1	0	4	4	4	14	1	85	21	3	76	88	4
7220	Standard acrylic fabric	1	0	3	2	3	38	11	51	39	11	50	98	4
7230	Standard acrylic fabric	1	0	4	4	4	11	0	89	13	0	87	96	4
7240	Standard acrylic fabric	1	0	4	4	4	17	1	82	17	1	82	99	4
7290	Standard acrylic fabric	1	0	4	4	4	18	1	81	21	3	76	85	4
7300	Standard acrylic fabric	1	0	3	2	2	50	16	34	50	16	34	97	4
7310	Standard acrylic fabric	1	0	4	2	3	29	4	67	33	7	60	91	4
7320	Standard acrylic fabric	1	0	4	4	4	19	2	79	24	4	72	60	5
7360	Standard acrylic fabric	1	0	3	2	3	42	9	49	49	16	35	36	5
7370	Standard acrylic fabric	1	0	4	2	3	31	5	64	33	7	60	30	5
7380	Standard acrylic fabric	1	0	3	2	3	40	8	52	45	14	41	31	5
7390	Standard acrylic fabric	1	0	2	2	2	61	26	13	56	23	21	50	5
7400	Standard acrylic fabric	1	0	4	4	4	17	0	83	35	7	58	≤0	5
7600	Standard acrylic fabric	1	0	4	4	4	10	1	89	11	1	88	96	4
7610	Standard acrylic fabric	1	0	4	3	4	27	4	69	27	4	69	93	4
7620	Standard acrylic fabric	1	0	2	2	2	56	20	24	53	20	27	62	5
7630	Standard acrylic fabric	1	0	4	3	4	24	2	74	33	7	60	47	5
7640	Standard acrylic fabric	1	0	4	4	4	10	1	89	16	2	82	78	6
7650	Standard acrylic fabric	1	0	3	3	4	26	3	71	33	8	59	68	5
7660	Standard acrylic fabric	1	0	4	4	4	22	1	77	30	5	65	7	5
7670	Standard acrylic fabric	1	0	3	2	3	37	5	58	49	13	38	43	5
7680	Standard acrylic fabric	1	0	4	4	4	22	2	76	26	3	71	45	6
7690	Standard acrylic fabric	1	0	4	4	4	12	0	88	14	1	85	≤0	6
7700	Standard acrylic fabric	1	0	4	4	4	5	0	95	7	0	93	41	6
7710	Standard acrylic fabric	1	0	3	2	3	28	7	65	36	10	54	82	6
7730	Standard acrylic fabric	1	0	2	2	2	47	16	37	55	22	23	84	6
7750	Standard acrylic fabric	1	0	4	4	4	16	1	83	28	6	66	1	6
7770	Standard acrylic fabric	1	0	4	4	4	24	2	74	25	3	72	79	6
7780	Standard acrylic fabric	1	0	4	4	4	5	0	95	6	0	94	79	6
7790	Standard acrylic fabric	1	0	4	4	4	5	0	95	6	0	94	45	6
7800	Standard acrylic fabric	1	0	4	4	4	11	0	89	12	0	88	77	6
7810	Standard acrylic fabric	1	0	4	4	4	17	0	83	18	1	81	47	6
7820	Standard acrylic fabric	1	0	4	4	4	19	1	80	22	3	75	55	6
7830	Standard acrylic fabric	1	0	3	2	3	32	8	60	33	9	58	97	6
7840	Standard acrylic fabric	1	0	3	2	3	34	4	62	41	11	48	71	6
7850	Standard acrylic fabric	1	0	3	2	2	49	15	36	51	18	31	84	6

Manufacturer's data according to DIN EN 14501 and DIN EN 410
The photometric data are recorded by reputable institutes and are considered to be standard values. Tolerances in the measurement procedure and batch-related variations from the samples can lead to deviations in the determined values, for which we cannot assume liability.

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* Designs not as fabric patterns in the colour chart

Design no.	Quality	Price range	View out	Summer Thermal protection	Glare control	Visual privacy	Light reflectance in %	Light transmittance in %	Light absorption coefficient in %	Solar reflectance in %	Solar transmittance in %	Solar absorption coefficient in %	Colour rendering index	Available for Lumera acrylic fabric design:	Available for Standard acrylic fabric design:	Page
7850	Standard acrylic fabric	1	0	3	2	2	49	15	36	51	18	31	84			6
7860	Standard acrylic fabric	1	0	3	2	3	36	6	58	48	15	37	77			6
5981	All Weather acrylic fabric	2	0	4	4	4	6	0	94	8	0	92	40	4001		*
6011	All Weather acrylic fabric	2	0	2	2	3	47	14	39	49	20	31	21	4013		*
6061	All Weather acrylic fabric	2	0	3	4	4	7	0	93	27	8	65	≤0	4002		*
6141	All Weather acrylic fabric	2	0	2	2	2	58	21	21	58	23	19	70		6140	*
6151	All Weather acrylic fabric	2	0	3	2	3	47	11	42	46	12	42	97		6150	*
6201	All Weather acrylic fabric	2	0	2	2	2	51	15	34	56	21	23	86		6200	*
6261	All Weather acrylic fabric	2	0	4	3	4	27	2	71	30	4	66	93		6260	*
6371	All Weather acrylic fabric	2	0	4	4	4	8	0	92	11	0	89	87		6370	6
6621	All Weather acrylic fabric	2	0	4	4	4	5	0	95	14	1	85	≤0	4034		*
6641	All Weather acrylic fabric	2	0	2	2	2	63	26	11	62	27	11	91		6640	*
6651	All Weather acrylic fabric	2	0	2	2	2	54	18	28	58	23	19	84		6650	*
6791	All Weather acrylic fabric	2	0	2	2	2	63	26	11	60	25	15	83	4016		*
6821	All Weather acrylic fabric	2	0	3	4	4	11	1	88	42	14	44	≤0	4006		*
6901	All Weather acrylic fabric	2	0	4	4	4	5	0	95	11	0	89	47		6900	*
5002	Perfora acrylic fabric	2	2	3	2	2	29	6	65	32	8	60	92	4009		*
5032	Perfora acrylic fabric	2	2	3	3	2	3	3	94	23	7	70	99	4031		*
5802	Perfora acrylic fabric	2	0	2	1	2	63	27	10	64	29	7	96		5800	*
5862	Perfora acrylic fabric	2	2	3	3	2	15	4	81	33	13	54	97		5860	*
5982	Perfora acrylic fabric	2	2	3	3	2	6	3	91	8	4	88	97	4001		*
6012	Perfora acrylic fabric	2	1	2	1	2	46	16	38	47	21	32	40	4013		*
6062	Perfora acrylic fabric	2	2	3	3	2	6	3	91	25	10	65	92	4002		*
6112	Perfora acrylic fabric	2	0	2	1	2	52	19	29	52	20	28	82		6110	*
6142	Perfora acrylic fabric	2	0	2	1	2	57	25	18	57	26	17	77		6140	*
6152	Perfora acrylic fabric	2	1	3	1	2	45	17	38	46	18	36	98		6150	*
6202	Perfora acrylic fabric	2	0	2	1	2	52	21	27	57	26	17	90		6200	*
6262	Perfora acrylic fabric	2	2	3	2	2	27	6	67	31	8	61	98		6260	*
6372	Perfora acrylic fabric	2	2	4	3	2	8	3	89	11	3	86	99		6370	6
6622	Perfora acrylic fabric	2	2	3	3	2	4	3	93	29	12	59	95	4034		*
6642	Perfora acrylic fabric	2	0	2	1	2	61	30	9	60	30	10	93		6640	*
6652	Perfora acrylic fabric	2	0	2	1	2	55	24	21	58	27	15	89		6650	*
6792	Perfora acrylic fabric	2	0	2	1	2	60	28	12	59	28	13	85	4016		*
6822	Perfora acrylic fabric	2	2	2	3	2	10	4	86	40	18	42	10	4006		*
6902	Perfora acrylic fabric	2	2	4	3	2	4	3	93	11	4	85	98		6900	*

Manufacturer's data according to DIN EN 14501 and DIN EN 410
The photometric data are recorded by reputable institutes and are considered to be standard values. Tolerances in the measurement procedure and batch-related variations from the samples can lead to deviations in the determined values, for which we cannot assume liability.

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Thermal and visual fabric properties in accordance with DIN EN 14501

Summer thermal protection

Use on window, patio and conservatory awnings
The capacity of the external fabric to prevent heat build-up in the room. Thermal protection glass (U_g = 1.2 W/(m^{2}K); g = 59 %) is used for classification, the value g_{tot} is calculated in accordance with DIN EN 13 363-1.

Picto	Description
0	Not relevant for external fabrics.
1	Not relevant for external fabrics.
2	The sun shading system effectively prevents heat build-up in the room.
3	The sun shading system very effectively prevents heat build-up in the room.
4	The sun shading system maximally prevents heat build-up in the room.

Glare control

The capacity of the fabric to reduce solar radiation on the workspace and prevent direct view of the sun.

Picto	Description	Remarks on facade side
0	No glare control.	
1	Glare control is very limited and only suitable for few applications, e.g. north facade, when glare from opposite facades is impossible.	Suitable for north side; for east, south and west sides not suitable for computer workstations
2	Glare control is almost always ensured and only insufficient for few applications, e.g. computer workstations directly facing the window.	Suitable for east, south, west facade
3	Glare control is virtually always ensured and only insufficient for extreme applications, e.g. computer workstations directly facing the window and CAD applications.	Suitable for east, south, west facade
4	Full glare control independent of outside conditions such as workstation orientation, e.g. black-out qualities. Please note that no view out is possible.	Suitable for east, south, west facade

Visual privacy

The capacity of the fabric to prevent a person inside the room from being seen from the outside under normal night-time lighting conditions.

Picto	Description
0	No visual privacy is ensured. People are clearly discernible.
1	Only little visual privacy is ensured. People are still discernible.
2	Visual privacy is ensured, but shadows can always be seen and people can be discerned under unfavourable lighting conditions.
3	Visual privacy is minimally limited. Shadows can only be discerned at a short distance from the fabric, e.g. people inside the room at a distance of < 1 m.
4	Complete visual privacy.

View out

The capacity of the fabric to allow a view out when extended.

Picto	Description
0	There is no view out.
1	The view out is extremely limited. Silhouettes are noticeable.
2	The view out is limited. Silhouettes are easy to see.
3	The view out is minimally limited, e.g. people can be seen at a 10 m distance.
4	The view out is nearly unobstructed.

Terms and definitions

Light reflectance ρ_v = the percentage of the light reaching the awning (wavelength range from 380 nm to 780 nm) which is reflected.

Light transmittance τ_v = the percentage of the light reaching the awning which passes through (how bright it is behind the sun shading system).

Light absorption coefficient α_v = the percentage of the light reaching the awning that is absorbed.

Solar reflectance ρ_e = the percentage of the total radiation reaching the awning (UV + light + infrared, wavelength range from 300 nm to 2500 nm) that is reflected.

Solar transmittance τ_e = the percentage of the total radiation reaching the awning that passes through.

Solar absorptance coefficient α_e = the percentage of the total radiation reaching the awning which is absorbed and transformed into heat.

Colour rendering index R_a = the authenticity of the colour rendering. The higher the colour rendering index R_a, the more authentically colours are rendered. The value can be a maximum of 100.