

Light Reflectance Value - LRV Reflektionsvärde

Maj 2022

Brand	Artnr	Produkt	LRV-värde	Stdev
Kährs	153N6CEK1JKW	Oak Lava	3	0,5
Kährs	152N7AEKA0KW	Oak Nouveau Charcoal	4	0,7
Kährs	153N6CEKA1KW	Oak Brownie	6	0,8
Kährs	151N8AEKA1KW	Oak Nouveau Tawny	6	0,7
Kährs	13106AEKA1KW	Oak Curio	8	0,7
Kährs	151N9AEK19KW	Oak Nouveau Ink	8	1,0
Kährs	LTCLR3011-193	Cocoa Bean 2-strip	10	0,7
Kährs	LTCLR3011-118/150	Cocoa Bean 1-strip	10	0,8
Kährs	152N6BEKF4KW	Oak Glow	13	3,7
Kährs	151N9AEKS4KW	Charcoal Light Plank	13	1,1
Kährs	153N6BEKS4KW	Charcoal Light Strip	14	1,5
Kährs	151XADEKWKKW180	Oak Chevron Grey	14	2,6
Kährs	153N15VA50KW	Walnut Montreal	14	3,5
Kährs	LTCLR3008-118/150	Faded black 1-strip	14	1,0
Kährs	LTCLR3008-193	Faded black 2-strip	14	1,1
Kährs	153N3REK09KW	Oak Smoke	14	3,5
Kährs	15313REK15KW	Oak Palazzo Fumo	16	5,0
Kährs	13106AEK1RKW	Oak Carbon	16	1,9
Kährs	LTCLR3010-193	Pure Walnut 2-strip	17	2,6
Kährs	151NMREKF0KW	Oak Tramonto	18	4,5
Kährs	LTCLR3010-118/150	Pure Walnut	18	2,8
Kährs	153N6BEKR4KW	Pearl Grey Strip	19	1,2
Kährs	151NDMEK13KW	Oak Ombra	20	4,8
Kährs	151200240	Oak Texture Grau	21	4,3
Kährs	151N9AEKR4KW	Pearl Grey Plank	22	2,0
Kährs	LTCLR3006-118/150	Earl Grey 1-strip	22	1,5
Kährs	LTCLR3006-193	Earl Grey 2-strip	23	1,4
Kährs	13106AEK1NKW	Oak Henna	23	2,3
Kährs	133B14EKHNKW	Oak Seed	23	1,7
Kährs	151N4AEKFMKW	Oak Berlin	24	2,9
Kährs	153N3BEKE4KW	Oak Eclipse	24	2,5
Kährs	13106AEK1BKW	Oak Tuft	25	3,1
Kährs	153N38EK50KW	Oak Como lack	25	4,9
Kährs	153N38EK09KW	Oak Como matt	26	6,0
Kährs	153N0BEKD1KW	Oak Alloy	26	3,6
Kährs	153N38EK09KW	Oak Siena	26	6,0
Kährs	153N6BEKQ4KW	Frozen Hazelnut Strip	26	2,4
Kährs	133NABEK50KW	Oak Lecco	26	7,8

Kährs Group

Kährs	153N3BEKD4KW	Oak Twilight	27	2,7
Kährs	133NABEK15KW	Oak Lecco	27	7,0
Kährs	151N5YEKD1KW	Oak Cinder	27	2,8
Kährs	LTCLR3005-118/150	Driftwood 1-strip	28	1,1
Kährs	133B14EKHGKW	Oak Clay	28	1,7
Kährs	152N38EK09KW	Oak Verona	28	3,3
Kährs	151N8AEKD4KW	Oak Coast	28	2,9
Kährs	151N9AEK18KW	Oak Nouveau Taupe	28	2,7
Kährs	151NAYEKD1KW	Oak Nouveau Gray	28	1,6
Kährs	151N9AEKQ4KW	Frozen Hazelnut Plank	28	2,5
Kährs	LTCLR3005-193	Driftwood 2-strip	29	1,4
Kährs	151N4AEKD4KW	Oak Prague	29	2,0
Kährs	LTCLR3007-118/150	Butterscotch 1-strip	29	1,7
Kährs	151NDMEK10KW	Oak Pallido	29	7,4
Kährs	133BABEKORWC	Classic Oak Plains 3S 5G	29	3,6
Kährs	LTCLR3007-193	Butterscotch 2-strip	29	1,8
Kährs	133B22EKORKW	Oak Forest 3S 5G	29	7,0
Kährs	133BCDEKORWC	Classic Oak Desert 3S 5G	29	7,0
Kährs	151N51EKK4KW	Biscotti	29	2,1
Kährs	151N8AEKE4KW	Oak Shore	30	2,7
Kährs	13106AEK1GKW	Oak Heather	31	3,1
Kährs	153N19EK09KW	Oak Nice	31	6,3
Kährs	151N51EKL4KW	Crayon	32	1,9
Kährs	LTCLR3002-193	Light Suede 2-strip	32	4,1
Kährs	LTCLR3003-193	Pure Oak 2-strip	32	3,3
Kährs	13103AEK1UKW	Oak Reiter	32	3,9
Kährs	153N66EK09KW	Oak Ardenne	33	7,8
Kährs	133B14EK15KW	Oak Lariana Matt 226	33	4,6
Kährs	133BABEK15KW	Oak Lecco Matt 226	33	4,6
Kährs	133208220	Oak Lange 3S Matt 5G	33	4,6
Kährs	133BABEK15KW	Oak Lecco Matt 200	33	4,6
Kährs	151055240	Oak Teramo	33	5,9
Kährs	15314BEK20KW	Oak Palazzo Biondo	33	4,3
Kährs	153N3BEKC4KW	Oak Mist	33	4,7
Kährs	151N4AEK04KW	Oak Dublin	33	4,7
Kährs	13106AEK1UKW	Oak Pratica	34	3,3
Kährs	151201240	Oak Texture Rohoptic	34	8,9
Kährs	151L8AEK09KW	Oak Cornwall	34	6,0
Kährs	151N8AAKH4KW	Ash Stream	34	5,3
Kährs	LTCLR3002-118/150	Light Suede 1-strip	34	3,1
Kährs	151198240	Oak Texture Natur	34	8,3
Kährs	LTCLR3003-118/150	Pure Oak 1-strip	35	4,5
Kährs	133BCDEK15KW	Oak Realba Matt 226	35	7,0
Kährs	133NABEK1VKW	Oak Abetone	35	5,0
Kährs	151N5AEK09KW	Oak Pure	35	5,1

Kährs Group

Kährs	133NCDEK15KW	Oak Erve	36	9,9
Kährs	13106AEK15KW	Oak Etch	36	7,0
Kährs	153N6BEKP4KW	Urban Brown Strip	36	5,9
Kährs	151N51EK09KW	Oak Alba	36	7,5
Kährs	151N5LEK09KW	Oak Asti	36	7,5
Kährs	153N66EKW2KW	Oak Amalfi	37	8,0
Kährs	LTCLR3004-118/150	Whole Grain 1-strip	37	3,1
Kährs	LTCLR221150	Oak Aros	37	3,1
Kährs	13103AEK15KW	Oak Tapa	37	3,3
Kährs	152N38EK0VKW	Oak Portofino	37	2,2
Kährs	153N38EK0VKW	Oak Sorrento	37	3,2
Kährs	151N4AEK4JKW	Oak Paris	38	3,5
Kährs	151L8AEK1DKW	Oak Nouveau White	38	4,8
Kährs	151210200	Oak Lange 1S	38	6,6
Kährs	151N0LEK09KW	Oak Glenmore	38	6,6
Kährs	151N9LEK09KW	Oak Cosenza	38	6,6
Kährs	151N8AEK4KW	Oak Horizon	38	4,7
Kährs	151NDMEK11KW	Oak Luce	39	7,5
Kährs	153N6EEKFVKW	Oak Dew	39	4,1
Kährs	151N9AEK16KW	Oak Nouveau Whisper	39	3,4
Kährs	153N6BEKN4KW	Frosted Oat Strip	39	4,7
Kährs	133B22EK1KKW	Oak Sand	40	4,0
Kährs	151N51EK4KW	Eggshell	40	5,4
Kährs	LTCLR3004-193	Whole Grain 2-strip	40	3,3
Kährs	133209220	Oak Lange 3S White Matt 5G	40	4,0
Kährs	151N4AEKFVKW	Oak Paris	41	2,2
Kährs	151199240	Oak Texture Weiss	41	8,3
Kährs	153N3BEKB4KW	Oak Rime	41	4,3
Kährs	151L87EK0VKW	Oak Brighton	42	3,5
Kährs	13106AEK1VKW	Oak Mostra	43	5,3
Kährs	151N9EEKH0KW	Oak Newington	43	3,1
Kährs	153N18AK09KW	Ash Kalmar	43	9,8
Kährs	151N9AEKP4KW	Urban Brown Plank	43	3,8
Kährs	133BABEK1VWC	Classic Oak Arctic 3S 5G	44	3,6
Kährs	151N9AEKN4KW	Frosted Oat Plank	44	3,8
Kährs	151N8AEKB4KW	Oak Sky	44	2,8
Kährs	13103AEK1KKW	Oak Fawn	44	3,4
Kährs	153N19EK0NKW	Oak Taranto	45	4,2
Kährs	151152240	Eiche Weiss LHD	45	5,0
Kährs	13103AEK1VKW	Oak Muse	45	2,8
Kährs	152N7BEKB4KW	Oak Vapor	45	5,1
Kährs	133BCDEK1VWC	Classic Oak Tundra	45	6,0
Kährs	151N5EEKH0KW	Oak Springview	45	4,0
Kährs	151N51EKB4KW	Ghost	46	4,3
Kährs	15313BEKVVKW	Oak Palazzo Bianco	47	3,4

Kährs	153N6BEKM4KW	Loft White Strip	47	4,7
Kährs	152N3BEKB1KW	Oak Menton	47	3,1
Kährs	153N5BEKP1KW	Oak Pale	49	5,0
Kährs	151N5AEKP1KW	Oak Crisp	49	5,3
Kährs	133B14EKLCKW	Oak Chalk	50	2,7
Kährs	LTCLR3001-118/150	Coconut Cream 1-strip	51	2,2
Kährs	151N9AEKM4KW	Loft White Plank	52	3,9
Kährs	153N0BEK0WKW	Oak Limestone	52	6,1
Kährs	151N51EK0NKW	Oak Vigo	53	3,4
Kährs	151N5LEK0NKW	Oak Oporto	53	3,4
Kährs	LTCLR3001-193	Coconut Cream 2-strip	53	2,6
Kährs	151N9AEK17KW	Oak Nouveau Oat	54	5,4
Kährs	151N8AEKP1KW	Oak Nouveau Blonde	54	2,6
Kährs	151N8AAKG4KW	Ash Flow	55	6,8
Kährs	133NACAK1VKW	Ash Ceriale	56	7,7
Kährs	13103AEK1PKW	Oak Cadense	56	1,9
Kährs	152N55AK50KW	Ash Gothenburg	57	6,3
Kährs	152N7BEK0WKW	Oak Creme	58	3,7
Kährs	153N18AK0VKW	Ash Skagen	58	10,1
Kährs	151L87AK0VKW	Ash Sandvig	61	11,4
Kährs	151N5AEK0WKW	Oak Bright	61	4,1
Kährs	133B11AKLCKW	Ash Coral	62	6,7
Kährs	152N55AK0VKW	Ash Falsterbo	65	4,4
Kährs	133B31AKVPKW	Ash POLAR 3S 5G	72	3,6
Kährs	151N8MAKA4KW	Ash Air	76	2,8

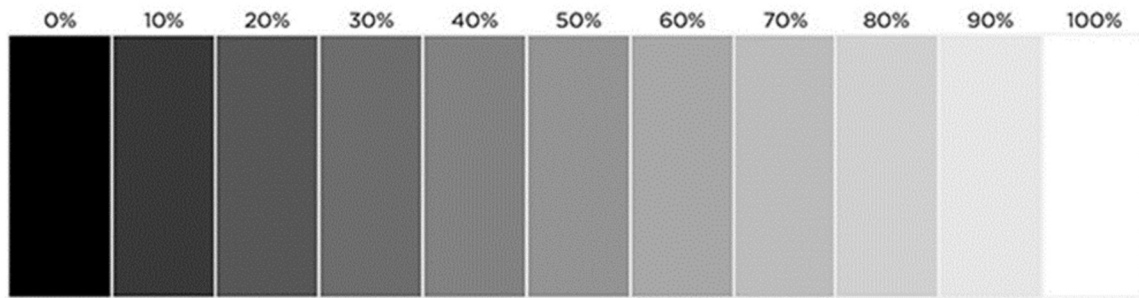
Measurement method: Measured with an Cromocon LRV meter.

STDev -Standard Deviation: LRV light reflectance values shown above are the results of testing, however, due to the natural variation in wood there will be some deviation from these test values. Standard deviation is a statistical term used to measure the amount of variability around an average.

Mätmetod: Mätt direkt med en Cromocon LRV-mätare.

STDAV-standardavvikelse: LRV-ljusreflektionsvärdena som visas ovan är resultaten av testning, men på grund av den naturliga variationen i trä kommer det att finnas någon avvikelse från dessa testvärden. Standardavvikelse är en statistisk term som används för att mäta variationens variation runt ett genomsnitt.

Light Reflectance Value - LRV
Reflektionsvärde - LRV



Light Reflectance Value scale

The current guidance in the Regulations and in Codes of Practice, BS 8300:2009, is that adequate visual contrast is provided if the Luminous Reflectance Factor - Light Reflectance Values (LRV) of the contrasting areas differ by at least 30 points. The current British Standard for the measurement of LRV is BS8493:2008+A1:2010.

Y - Luminous Reflectance factor

The luminous reflectance factor Y, is the physical value of the quantity of light energy reflected by a surface, expressed as the percentage of light reflected under the same conditions by a perfect reflecting diffuser. Y, is based on a scale of 0 to 100, where zero = black and therefore represents total light absorption and white = 100 and therefore total light reflection. The CIE model capitalizes on this fact by defining Y as luminance.

LIGHT REFLECTIVE VALUE (LRV) The Equality Act 2010 (UK) (which replaced the 2004 Disability Discrimination Act) requires that all new and refurbished public buildings and work places comply with current regulations via their 'Access Statement', ensuring safe entry, exit and safe passage throughout the building. Obligations regarding building access and usage are covered under BS8300 / Building Regulations Approved Document. Failure to comply with the Equality Act could result in building owners and facility managers being fined up to £50,000.

How does it affect finishes? The regulations mean that people, regardless of disability, age or gender, must be able to gain equal access to public buildings. For visually impaired people this means amongst other things that there must be a good visual contrast between various elements of the building, including doorways, fixtures and fittings. Therefore, the contrast between for example doors and walls must achieve a certain level – measured by something called Light Reflectance Value (LRV).

What is Light Reflectance Value? LRV is a universal value for 'contrast'. It measures the proportion of useful light reflected by a colored object. It represents a relative light and darkness value rather than an actual color. Therefore, dissimilar colors could have the same LRV. LRV is measured on a scale of 0 to 100, 0 being perfect absorbing black and 100 being perfect reflecting white (in reality you never find these perfect objects - a bright white would typically have a result of an LRV of 85)

Why do we need Contrast? Most registered blind people will still have some vision in color. Only a small percentage (less than 5%) can see nothing at all, and even people within this group will generally have some sensitivity to light and shade. Ensuring that a minimum of 30 points of LRV difference is specified for adjacent surfaces will in the majority of cases help to ensure that visually impaired people are not discriminated against.

Examples where visual contrast will be required:

- Door faces and/or frames to walls
- Floors to Walls