

Light Reflectance Value - LRV Reflektionsvärde

September 2024

Brand	Artnr	Produkt	LRV-värde	Stdev
Kährs	153N6CEK1JKW240	Oak Lava	3	0,5
Kährs	153N6CEKA1KW240	Oak Brownie	6	0,8
Kährs	151N8AEKA1KW240	Oak Nouveau Tawny	6	0,7
Kährs	13106AEKA1KW185	Oak Curio	8	0,7
Kährs	LTCLR3011-193	Cocoa Bean 2-strip	10	0,7
Kährs	LTCLR3011-118	Cocoa Bean Narrow	10	0,8
Kährs	LTCLR3011-150	Cocoa Bean Wide	10	0,8
Kährs	152N6BEKF4KW240	Oak Glow	13	3,7
Kährs	151N9AEKS4KW200	Oak Charcoal Light Plank	13	1,1
Kährs	153N6BEKS4KW240	Charcoal Light Strip	14	1,5
Kährs	153N15VA50KW240	Walnut Montreal	14	3,5
Kährs	LTCLR3008-118	Faded Black Narrow	14	1,0
Kährs	LTCLR3008-150	Faded Black Wide	14	1,0
Kährs	LTCLR3008-193	Faded Black 2-strip	14	1,1
Kährs	151N8AEKQ1KW240	Oak Nouveau Rich	15	1,9
Kährs	153N3BEKF4KW240	Oak Dusk	15	3,9
Kährs	15313REK15KW240	Oak Palazzo Fumo	16	5,0
Kährs	141XADEK2BKW195	Oak Joy	16	2,7
Kährs	151N8AEKF4KW240	Oak Terra	16	3,3
Kährs	13106AEK1RKW185	Oak Carbon	16	1,9
Kährs	LTCLR3010-193	Pure Walnut 2-strip	17	2,6
Kährs	151NDMEK14KW240	Oak Tramonto	18	4,5
Kährs	LTCLR3010-118	Pure Walnut Narrow	18	2,8
Kährs	LTCLR3010-150	Pure Walnut Wide	18	2,8
Kährs	153N6BEKR4KW240	Pearl Grey Strip	19	1,2
Kährs	151225240	Oak Alpin Grau	20	4,8
Kährs	151NDMEK13KW240	Oak Ombra	20	4,8
Kährs	151200200	Texture Grau	21	4,3
Kährs	151N9AEKR4KW200	Pearl Grey Plank	22	2,0
Kährs	LTCLR3006-118	Earl Grey Narrow	22	1,5
Kährs	LTCLR3006-150	Earl Grey Wide	22	1,5
Kährs	LTCLR3006-193	Earl Grey 2-strip	23	1,4
Kährs	152N6REKGGKW240	Oak Granite	23	3,6
Kährs	13106AEK1NKW185	Oak Henna	23	2,3
Kährs	133B14EKHNKW226	Oak Seed	23	1,7
Kährs	141XADEK2GKW195	Oak Happiness	23	2,3
Kährs	151N4AEKFMKW220	Oak Berlin	24	2,9
Kährs	153N3BEKE4KW240	Oak Eclipse	24	2,5

Kährs Group

Kährs	13106AEK1BKW185	Oak Tuft	25	3,1
Kährs	153N38EK50KW240	Oak Siena	25	4,9
Kährs	133NCDEKB9KW240	Oak Ore	26	4,0
Kährs	133NCDEKORWC240	Classic Oak Forest	26	4,4
Kährs	153N0BEKD1KW240	Oak Alloy	26	3,6
Kährs	153N38EK09KW240	Oak Siena	26	6,0
Kährs	153N6BEKQ4KW240	Frozen Hazelnut Strip	26	2,4
Kährs	133NABEK50KW240	Oak Lecco Satin	26	7,8
Kährs	153N3BEKD4KW240	Oak Twilight	27	2,7
Kährs	133253240	Oak Elite Pro	27	7,0
Kährs	133NABEK15KW240	Oak Lecco Matt	27	7,0
Kährs	151N5YEKD1KW240	Oak Cinder	27	2,8
Kährs	LTCLR3005-118	Driftwood Narrow	28	1,1
Kährs	LTCLR3005-150	Driftwood Wide	28	1,1
Kährs	133B14EKHGKW226	Oak Clay	28	1,7
Kährs	151N8AEKD4KW240	Oak Coast	28	2,9
Kährs	152N38EK09KW240	Oak Verona	28	3,3
Kährs	151N9AEKQ4KW200	Oak Frozen Hazelnut Plank	28	2,5
Kährs	151NAYEKD1KW240	Oak Nouveau Gray	28	1,6
Kährs	LTCLR3005-193	Driftwood 2-strip	29	1,4
Kährs	151N4AEKD4KW200	Oak Prague	29	2,0
Kährs	151N4AEKD4KW240	Oak Prague	29	2,0
Kährs	LTCLR3007-118	Butterscotch Narrow	29	1,7
Kährs	LTCLR3007-150	Butterscotch Wide	29	1,7
Kährs	151226240	Oak Alpin Rohoptik	29	7,4
Kährs	133BABEKORWC226	Classic Oak Plains	29	3,6
Kährs	151NDMEK10KW240	Oak Pallido	29	7,4
Kährs	133BCDEKORWC226	Classic Oak Desert	29	7,0
Kährs	LTCLR3007-193	Butterscotch 2-strip	29	1,8
Kährs	151N51EKK4KW200	Oak Biscotti	29	2,1
Kährs	151N51EKK4KW220	Oak Biscotti	29	2,1
Kährs	151N8AEKE4KW240	Oak Shore	30	2,7
Kährs	13106AEK1GKW185	Oak Heather	31	3,1
Kährs	133NCDEKD9KW240	Oak Flint	31	2,7
Kährs	153N19EK09KW240	Oak Nice	31	6,3
Kährs	151N51EKL4KW240	Oak Crayon	32	1,9
Kährs	152N7BEKD4KW240	Oak Dim	32	4,8
Kährs	13103AEK1UKW185	Oak Reiter	32	3,9
Kährs	LTCLR3002-193	Light Suede 2-strip	32	4,1
Kährs	LTCLR3003-193	Pure Oak 2-strip	32	3,3
Kährs	151224240	Oak Alpin Natur	33	5,5
Kährs	153N66EK09KW240	Oak Ardenne	33	7,8
Kährs	133B14EK15KW226	Oak Lariana Matt 226	33	4,6
Kährs	133BABEK15KW200	Oak Lecco Matt 200	33	4,6
Kährs	133BABEK15KW226	Oak Lecco Matt 226	33	4,6

Kährs Group

Kährs	151055240	Oak Teramo	33	5,9
Kährs	15314BEK20KW240	Oak Palazzo Biondo	33	4,3
Kährs	153N3BEK4KW240	Oak Mist	33	4,7
Kährs	151N4AEK04KW240	Oak Dublin	33	4,7
Kährs	153138EK50KW240	Oak Palazzo Rovere	34	3,9
Kährs	141XADEK05KW195	Oak Wisdom	34	3,9
Kährs	151201200	Texture Rohoptic	34	8,9
Kährs	152N60EKP9KW240	Oak Silk	34	4,3
Kährs	151L8AEK09KW220	Oak Cornwall	34	6,0
Kährs	151L8AEK09KW240	Oak Cornwall	34	6,0
Kährs	151N8AAKH4KW240	Ash Stream	34	5,3
Kährs	LTCLR3002-118	Light Suede Narrow	34	3,1
Kährs	LTCLR3002-150	Light Suede Wide	34	3,1
Kährs	151198240	Texture Natur	34	8,3
Kährs	133BCDEK15KW226	Oak Realba Matt 226	35	7,0
Kährs	LTCLR3003-118	Pure Oak Narrow	35	4,5
Kährs	LTCLR3003-150	Pure Oak Wide	35	4,5
Kährs	133NABEK1VKW240	Oak Abetone	35	5,0
Kährs	151N5AEK09KW200	Oak Pure	35	5,1
Kährs	151N5AEK09KW240	Oak Pure	35	5,1
Kährs	13106AEK15KW185	Oak Etch	36	7,0
Kährs	133NCDEK15KW240	Oak Erve	36	9,9
Kährs	153N6BEKP4KW240	Urban Brown Strip	36	5,9
Kährs	151N51EK09KW240	OAK ALBA	36	7,5
Kährs	131245200	Oak Yarrow	36	4,9
Kährs	131245220	Oak Yarrow	36	4,9
Kährs	153N38EKN0KW240	Oak Hastings	37	4,1
Kährs	151N9AEK04KW220	Oak Rise	37	5,3
Kährs	153N66EKW2KW240	Oak Amalfi	37	8,0
Kährs	13103AEK15KW185	Oak Tapa	37	3,3
Kährs	LTCLR3004-118	Whole Grain Narrow	37	3,1
Kährs	LTCLR3004-150	Whole Grain Wide	37	3,1
Kährs	152N38EK0VKW240	Oak Portofino	37	2,2
Kährs	153N38EK0VKW240	Oak Sorrento	37	3,2
Kährs	151XCDEKF1KW195	Oak Buckskin	38	4,8
Kährs	151N4AEK4JKW200	Oak Paris	38	3,5
Kährs	151N4AEK4JKW220	Oak Paris	38	3,5
Kährs	151N4AEK4JKW240	Oak Paris	38	3,5
Kährs	151L8AEK1DKW220	Oak Nouveau White	38	4,8
Kährs	151L8AEK1DKW240	Oak Nouveau White	38	4,8
Kährs	151N9LEK09KW240	Oak Cosenza	38	6,6
Kährs	141XCDEK2VKW195	Oak Calm	38	5,8
Kährs	151N8AEK4KW240	Oak Horizon	38	4,7
Kährs	151223240	Oak Alpin Weiss	39	7,5
Kährs	151NDMEK11KW240	Oak Luce	39	7,5

Kährs Group

Kährs	151N9AEK16KW220	Oak Nouveau Whisper	39	3,4
Kährs	153N6BEKN4KW240	Frosted Oat Strip	39	4,7
Kährs	153N6EEKFVKW240	Oak Dew	39	4,1
Kährs	151N45EK4JKW200	Oak Honey Oat	39	2,8
Kährs	151N45EK4JKW240	Oak Honey Oat	39	2,8
Kährs	133B22EK1KKW226	Oak Sand	40	4,0
Kährs	131248200	Oak Aster Matt	40	7,7
Kährs	151N51EKC4KW200	Oak Eggshell	40	5,4
Kährs	151N51EKC4KW240	Oak Eggshell	40	5,4
Kährs	LTCLRW3004-193	Whole Grain 2-strip	40	3,3
Kährs	131246200	Oak Aster Oiled	40	4,4
Kährs	131246220	Oak Aster Oiled	40	4,4
Kährs	151N4AEKFVKW220	Oak Paris	41	2,2
Kährs	131247220	Oak Edelweiss	41	4,7
Kährs	151199240	Texture Weiss	41	8,3
Kährs	131249200	Oak Gentian	41	4,7
Kährs	131249220	Oak Gentian	41	4,7
Kährs	153N3BEKB4KW240	Oak Rime	41	4,3
Kährs	133NCDEKH9KW240	Oak Crystal	42	4,0
Kährs	151L87EK0VKW220	Oak Brighton	42	3,5
Kährs	13106AEK1VKW185	Oak Mostra	43	5,3
Kährs	151N9EEKH0KW220	Oak Newington	43	3,1
Kährs	151N9EEKH0KW240	Oak Newington	43	3,1
Kährs	133NABEKW5KW240	Oak Vanilla	43	5,7
Kährs	153N18AK50KW240	Ash Kalmar	43	9,8
Kährs	151N9AEKP4KW200	Oak Urban Brown Plank	43	3,8
Kährs	151N9AEKP4KW220	Oak Urban Brown Plank	43	3,8
Kährs	133BABEK1VWC226	Classic Oak Arctic	44	3,6
Kährs	151N9AEKN4KW200	Oak Frosted Oat Plank	44	3,8
Kährs	151N8AEKB4KW240	Oak Sky	44	2,8
Kährs	13103AEK1KKW185	Oak Fawn	44	3,4
Kährs	151N9AEKC4KW220	Oak Aurora	45	5,3
Kährs	153N19EK0NKW240	Oak Taranto	45	4,2
Kährs	151152240	Eiche Weiss LHD	45	5,0
Kährs	13103AEK1VKW185	Oak Muse	45	2,8
Kährs	152N7BEKB4KW240	Oak Vapor	45	5,1
Kährs	133BCDEK1VWC226	Classic Oak Tundra	45	6,0
Kährs	151N5EEKH0KW220	Oak Springview	45	4,0
Kährs	151N51EKB4KW220	Oak Ghost	46	4,3
Kährs	151N51EKB4KW240	Oak Ghost	46	4,3
Kährs	15313BEKVVKW240	Oak Palazzo Bianco	47	3,4
Kährs	153N6BEKM4KW240	Loft White Strip	47	4,7
Kährs	133NCDEKM9KW240	Oak Salt	48	4,8
Kährs	133NCDEKN5WC240	Classic Oak Glacier	48	5,0
Kährs	151N5AEKP1KW240	Oak Crisp	49	5,3

Kährs	153N5BEKP1KW240	Oak Pale	49	5,0
Kährs	133B14EKLCKW226	Oak Chalk	50	2,7
Kährs	141XCDEK1WKW195	Oak Strength	50	2,2
Kährs	LTCLR3001-118	Coconut Cream Narrow	51	2,2
Kährs	LTCLR3001-150	Coconut Cream Wide	51	2,2
Kährs	151N9AEKM4KW200	Oak Loft White Plank	52	3,9
Kährs	151N9AEKM4KW220	Oak Loft White Plank	52	3,9
Kährs	153N0BEK0WKW240	Oak Limestone	52	6,1
Kährs	151N51EK0NKW200	Oak Vigo	53	3,4
Kährs	151N51EK0NKW240	Oak Vigo	53	3,4
Kährs	LTCLR3001-193	Coconut Cream 2-strip	53	2,6
Kährs	133N0BEKM4KW240	Oak Cortina	54	5,8
Kährs	151N8AEKP1KW200	Oak Nouveau Blonde	54	2,6
Kährs	151N8AEKP1KW220	Oak Nouveau Blonde	54	2,6
Kährs	151N8AEKP1KW240	Oak Nouveau Blonde	54	2,6
Kährs	151N8AAKG4KW220	Ash Flow	55	6,8
Kährs	151N8AAKG4KW240	Ash Flow	55	6,8
Kährs	133NACAK1VKW240	Ash Ceriale	56	7,7
Kährs	13103AEK1PKW185	Oak Cadence	56	1,9
Kährs	152N7BEK0WKW240	Oak Creme	58	3,7
Kährs	151N8EEK0WKW220	Oak Nouveau Snow	58	4,5
Kährs	153N18AK0VKW240	Ash Skagen	58	10,1
Kährs	151L87AK0VKW220	Ash Sandvig	61	11,4
Kährs	151N5AEK0WKW240	Oak Bright	61	4,1
Kährs	133B11AKLCKW226	Ash Coral	62	6,7
Kährs	152N55AK0VKW240	Ash Falsterbo	65	4,4
Kährs	133B31AKVPKW226	Ash Polar 3S 5G	72	3,6

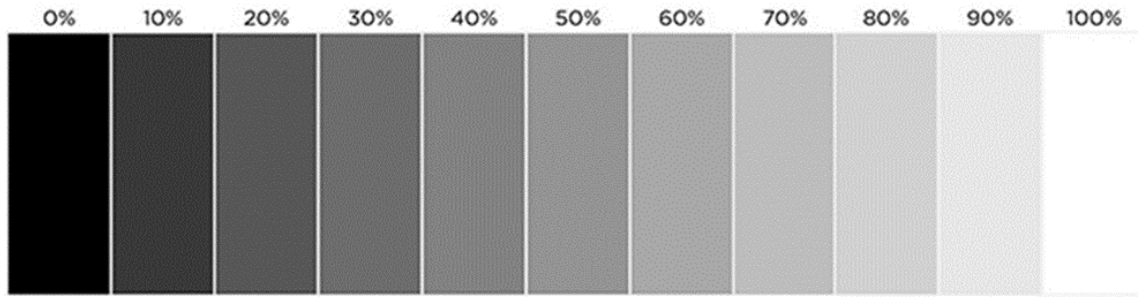
Measurement method: Measured with an Cromocon LRV meter.

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