

Light Reflectance Value - LRV Reflektionsvärde

February 2021

Brand	Artnr	Produkt	LRV-värde	Stdev
Kährs	153N6CEK1J	Oak Lava	3	0,5
Kährs	152N7AEKA0	Oak Nouveau Charcoal	4	0,7
Kährs	153N6CEKA1	Oak Brownie	6	0,8
Kährs	151N8AEKA1	Oak Nouveau Tawny	6	0,7
Kährs	151N9AEK19	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	152N6BEKF4	Oak Glow	13	3,7
Kährs	151XADEKWK180	Oak Chevron Grey	14	2,6
Kährs	153N15VA50	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	153N3REK09	Oak Smoke	14	3,5
Kährs	37101FVA09KW	Linnea Walnut Statue	15	2,7
Kährs	15313REK15	Oak Palazzo Fumo	16	5,0
Kährs	152N55VA50	Walnut Philadelphia	16	3,2
Kährs	LTCLR3010-193	Pure Walnut 2-strip	17	2,6
Kährs	151NMREKF0	Oak Tramonto	18	4,5
Kährs	LTCLR3010-118/150	Pure Walnut	18	2,8
Kährs	151NMREKFG	Oak Ombra	20	4,8
Kährs	151200240	Oak Texture Grau	21	4,3
Kährs	LTCLR3006-118/150	Earl Grey 1-strip	22	1,5
Kährs	LTCLR3006-193	Earl Grey 2-strip	23	1,4
Kährs	153N3BEKE4	Oak Eclipse	24	2,5
Kährs	153N38EK50	Oak Como lack	25	4,9
Kährs	153N38EK09	Oak Como matt	26	6,0
Kährs	153N0BEKD1	Oak Alloy	26	3,6
Kährs	153N38EK09	Oak Siena (Same as Como)	26	6,0
Kährs	133N19EK50	Oak Lecco / 133NABEK50KW	26	7,8
Kährs	153N3BEKD4	Oak Twilight	27	2,7
Kährs	133N19EK15	Oak Lecco / 133NABEK15KW	27	7,0
Kährs	151N5YEKD1	Oak Cinder	27	2,8
Kährs	LTCLR3005-118/150	Driftwood 1-strip	28	1,1
Kährs	152N38EK09	Oak Verona	28	3,3
Kährs	151N9AEK18	Oak Nouveau Taupe	28	2,7
Kährs	151NAYEKD1	Oak Nouveau Gray	28	1,6
Kährs	LTCLR3005-193	Driftwood 2-strip	29	1,4
Kährs	151N4AEKD4	Oak Prague	29	2,0

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Kährs	LTCLR3007-118/150	Butterscotch 1-strip	29	1,7
Kährs	151NDMEKF1	Oak Pallido	29	7,4
Kährs	133BABEKORWC226	CLASSIC OAK PLAINS 3S 5G	29	3,6
Kährs	LTCLR3007-193	Butterscotch 2-strip	29	1,8
Kährs	151N8AEKE4	Oak Shore	30	2,7
Kährs	153N19EK09KW	Oak Nice	31	6,3
Kährs	LTCLR3002-193	Light Suede 2-strip	32	4,1
Kährs	15314BEK20	Oak Palazzo Biondo	33	4,3
Kährs	153N3BEKC4	Oak Mist	33	4,7
Kährs	151N51EK09	Oak Alba	34	9,9
Kährs	151201240	Oak Texture Rohoptic	34	8,9
Kährs	151L8AEK09	Oak Cornwall	34	6,0
Kährs	151N8AAKH4	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	133N19EK1V	Oak Abetone	35	5,0
Kährs	151N5AEK09	Oak Pure	35	5,1
Kährs	373059EK0VKW	Linnea Oak White Matt 3-strip	35	5,5
Kährs	LTCLR3004-118/150	Whole Grain 1-strip	37	3,1
Kährs	152N38EK0VKW	Oak Portofino	37	2,2
Kährs	153N38EK0VKW	Oak Sorrento	37	3,2
Kährs	151N4AEK4JKW	Oak Paris	38	3,5
Kährs	151N1FEK09	Oak Essex	38	4,5
Kährs	151L8AEK1DKW	Oak Nouveau White	38	4,8
Kährs	151N8AEKC4	Oak Horizon	38	4,7
Kährs	151NDMEK1V	Oak Luce	39	7,5
Kährs	153N6EEK1V	Oak Dew	39	4,1
Kährs	151N9AEK16	Oak Nouveau Whisper	39	3,4
Kährs	LTCLR3004-193	Whole Grain 2-strip	40	3,3
Kährs	151199240	Oak Texture Weiss	41	8,3
Kährs	153N3BEKB4KW	Oak Rime	41	4,3
Kährs	151L87EK0VKW	Oak Brighton	42	3,5
Kährs	153N18AK09	Ash Kalmar	43	9,8
Kährs	133BABEK1VWC226	CLASSIC OAK ARCTIC 3S 5G	44	3,6
Kährs	151N8AEKB4	Oak Sky	44	2,8
Kährs	153N19EK0N	Oak Taranto	45	4,2
Kährs	151152240	Eiche Weiss LHD	45	5,0
Kährs	152N7BEKB4KW	Oak Vapor	45	5,1
Kährs	15313BEK1V	Oak Palazzo Bianco	47	3,4
Kährs	152N3BEKB1	Oak Menton	47	3,1
Kährs	153N5BEK1	Oak Pale	49	5,0
Kährs	151N5AEK1	Oak Crisp	49	5,3
Kährs	151N51EK0N	Oak Vigo	50	3,2
Kährs	LTCLR3001-118/150	Coconut Cream 1-strip	51	2,2

Kährs	153N0BEK0W	Oak Limestone	52	6,1
Kährs	37101AEKC1KW180	Linnéa Oak Dome	52	3,4
Kährs	151N4AEKP8	Oak Pearl	53	5,0
Kährs	LTCLRW3001-193	Coconut Cream 2-strip	53	2,6
Kährs	151N9AEK17	Oak Nouveau Oat	54	5,4
Kährs	151N8AAKG4	Ash Flow	55	6,8
Kährs	153N1BAKG4	Ash Drift	55	8,0
Kährs	133NACAK1V	Ash Ceriale	56	7,7
Kährs	152N55AK50	Ash Gothenburg	57	6,3
Kährs	152N7BEK0WKW	Oak Creme	58	3,7
Kährs	153N18AK0V	Ash Skagen	58	10,1
Kährs	151L87AK0V	Ash Sandvig	61	11,4
Kährs	151N5AEK0W	Oak Bright	61	4,1
Kährs	152N55AK0VKW	Ash Falsterbo	65	4,4
Kährs	133B31AKVPKW226	Ash POLAR 3S 5G	72	3,6
Kährs	151N8MAKA4	Ash Air	76	2,8
Kährs	372016AKW1KW	Linnea Ash Blizzard	88	0,4

Measurement method: Measured with an Cromocon LRV meter.

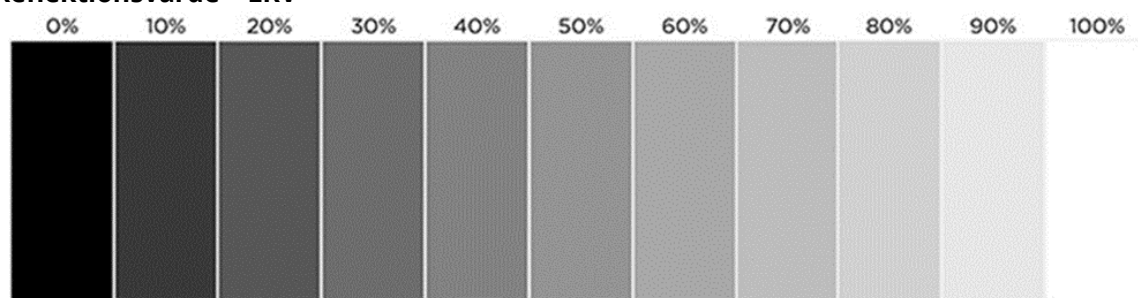
STDev -Standard Deviation: LRV light reflectance values shown above are the results of testing, however, due to the natural variation in wood there will be some deviation from these test values. Standard deviation is a statistical term used to measure the amount of variability around an average.

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

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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