

# Light Reflectance Values (LRV)

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Rinos entrance matting

Introduction .....	1
Coir .....	2
Connection .....	2
Collect.....	2
Delta.....	2
Dimensions .....	3
Gibson .....	3
Hudson.....	3
Moss.....	3
Nubia .....	4
Prisma .....	4
Sahara.....	4
Stelvio.....	4
Symphony2 .....	5
Victoria .....	5
Volante .....	5

## Introduction

In architecture, light reflectance value (LRV) is a measure of visible and usable light that is reflected from surfaces like the ceiling, walls and the floor when illuminated by a light source. It ranges from 0 to 100%. The reflectance values are used by lighting designers to determine the number and type of light fixtures needed to provide proper lighting for interior spaces.

Scientific studies show that the reflectance of walls have the biggest contribution to the average illuminance (lighting level), whereas the reflectance of the floor has a marginal contribution. However, most lighting calculation software systems require the separate input of reflectance values for ceiling, walls and flooring.

The reflectance of a material is primarily influenced by the colour, the structure and the gloss. The brighter the colour, the higher the reflectance is. A light grey or beige entrance mat can have a 20 times higher reflectance compared to a black mat. Yet the dark coloured mats require less maintenance.

The Light Reflectance Values in this document comply with BS 8493 and have been measured with a Cromocon LRV device.

## Coir

Color	Description	%
K19	Duratap	6,34
K19	Promotap DM	5,86
k19	Rintap - naturel	9,18
k17	Black	0,26
k11	grey	0,91
k16	red	1,04
k04	anthracite	0,28
k02	brown	0,27
k05	bordeaux	0,27
k12	blue	0,26
k13	green	4,09
k18	mais	6,24
k03	terra	1,35

## Connection

Color	Description	%
920	anthracite	0,82
922	brown	0,57
928	grey	1,36
929	red	0,63

## Collect

Color	Description	%
007	anthracite	0,34
014	brown	0,35
016	red	0,49

## Delta

Color	Description	%
DE81	grey	3,54
DE11	taupe	4,68
DE31	sand	2,52
DE21	brown	0,84
DE51	black	0,26
DE61	blue	0,44
DE91	red	2,39

## Dimensions

Color	Description	%
930	anthracite	0,53
932	brown	0,55
936	blue	0,26
938	grey	1,97
939	red	0,73

## Gibson

Color	Description	%
156	blue	1,58
150	black	0,39
158	grey	2,51
151	beige	5,41
154	taupe	3,31
152	brown	1,96
159	red	7,99

## Hudson

Color	Description	%
840	black	0,55
841	beige	5,39
842	brown	1,93
846	blue	1,78
848	grey	6,28
849	red	1,03

## Moss

Color	Description	%
MO51	Charcoal grey	0,52
MA81	Concrete grey	12,75
MO82	Slate grey	4,22
MO83	Ash grey	1,88
MO21	Walnut brown	4,99
MO11	Limestone grey	14,66
MO31	Sandstone ochre	11,46
MO92	Brick red	6,19
MO91	Maroon red	3,74
MO71	Pine Green	2,96

## Nubia

Color	Description	%
090	black	0,26
095	grey	0,69
092	brown	0,57

## Prisma

Color	Description	%
900	black	0,31
901	beige	4,77
902	brown	1,50
904	Bordeaux	0,80
905	indigo	0,57
908	grey	3,02
909	red	4,17

## Sahara

Color	Description	%
185	grey	0,26
188	light grey	0,29
181	beige	0,28
182	brown	0,26
189	red	0,26
186	blue	0,26

## Stelvio

Color	Description	%
ST01	Anthracite	1,41
ST11	Beige	12,14
ST51	Black	0,63
ST81	Grey	11,74
ST91	Red	1,54

## Symphony2

Color	Description	%
SY51	traffic black	0,26
SY81	signal black	0,56
SY22	grey brown	1,66
SY21	chocolate brown	0,64
SY31	brown beige	5,33
SY11	quartz grey	7,70
SY91	oxid red	1,38
SY82	black grey	1,90
SY61	granite grey	3,33
SY83	silver grey	8,63

## Victoria

Color	Description	%
137	green	0,39
136	bleu	0,28
138	slate grey	0,72
130	black	0,26
135	grey	0,38
131	slate brown	0,73
132	brown	0,28
134	d. brown	0,30
139	red	0,26

## Volante

Color	Description	%
700	antracite	3,22
702	beige	1,91
703	terra	1,07
704	brown	0,38
705	black	0,39
706	bleu	1,76
709	red	1,24