BRTD: bidirectional reflectance and texture data
. **BASF**: BASF pigments, screen printing
. . **MA98**: multi-angle spectrophotometer MA98 of X-Rite
. . . **LAMBDA**: wavelength, 1x31 double matrix (31 wavelengths (400 nm: 10 nm: 700 nm))
. . . **OMEGA**: direction (incidence direction , reflection direction), 19x6 double matrix (19 geometries (45as-15, 45as15, 45as25, 45as45, 45as75, 45as110, 15as-15, 15as15, 15as-45, 15as45, 15as80, 45as25az90, 45as25az-90, 45as60az125, 45as60az-125, 15as38.3az43, 15as38.3az-43, 15as46.9az104.5, 15as46.9az-104.5), 6 angles (incidence elevation angle θ_i, incidence azimuth angle φ_i, reflection elevation angle θ_r, reflection azimuth angle φ_r, in-plane aspect angle θ_{as}, at-specular azimuth angle φ_{az}))
. . **BO90C0Z**: Black Olive 90C0Z, 6 µm – 48 µm, 19.2 %
. . **F9G630L**: Firemist Blue 9G630L, 5 µm – 300 µm, 19.2 %
. . **F9G680D**: Firemist Colormotion Blue Topaz 9G680D, 13 µm – 180 µm, 19.2 %
. . **F9G480D**: Firemist Colormotion Ruby 9G480D, 13 µm – 180 µm, 19.2 %
. . **F9G230L**: Firemist Gold 9G230L, 5 µm – 300 µm, 19.2 %
. . **F9G830L**: Firemist Green 9G830L, 5 µm – 300 µm, 19.2 %
. . **F9G130L**: Firemist Pearl 9G130L, 5 µm – 300 µm, 19.2 %
. . **F9G430L**: Firemist Red 9G430L, 5 µm – 300 µm, 19.2 %
. . **F9G730L**: Firemist Turquoise 9G730L, 5 µm – 300 µm, 19.2 %
. . **F9G530L**: Firemist Violet 9G530L, 5 µm – 300 µm, 19.2 %
. . **G9S130D**: Glacier Frost White 9S130D, 8 µm – 45 µm, 19.2 %
. . **L9A30D**: Lumina Aqua Blue 9A30D, 8 µm – 48 µm, 19.2 %
. . **L9232D**: Lumina Brass 9232D, 8 µm – 48 µm, 19.2 %
. . **L9359D**: Lumina Copper 9359D, 8 µm – 48 µm, 19.2 %
. . **L9Y30D**: Lumina Gold 9Y30D, 8 µm – 48 µm, 19.2 %
. . **L9G30D**: Lumina Green 9G30D, 8 µm – 48 µm, 19.2 %
. . **L9R30D**: Lumina Red 9R30D, 8 µm – 48 µm, 19.2 %
. . **L9680H**: Lumina Royal Blue 9680H, 8 µm – 48 µm, 19.2 %
. . **L9450D**: Lumina Russet 9450D, 8 µm – 48 µm, 19.2 %
. . **L9T30D**: Lumina Turquoise 9T30D, 8 µm – 48 µm, 19.2 %
. . **SF9332D**: Santa Fe Desert Blush 9332D, 8 µm – 48 µm, 19.2 %
. . **SF9832D**: Santa Fe Kiwi 9832D, 8 µm – 48 µm, 19.2 %
. . . **WGCP**: white glossy coated paper, LuxoMagic, Sappi, 150g/m²
. . . **BUCP**: black uncoated paper, PopSet, Arjo Wiggins, 120g/m²
. . . . **MA98**: multi-angle spectrophotometer MA98 of X-Rite
. . . . . **C**: color (D65/10°), 19x5 double matrix (19 geometries (45as-15, 45as15, 45as25, 45as45, 45as75, 45as110, 15as-15, 15as15, 15as-45, 15as45, 15as80, 45as25az90, 45as25az-90, 45as60az125, 45as60az-125, 15as38.3az43, 15as38.3az-43, 15as46.9az104.5, 15as46.9az-104.5), 5 values (lightness L*, green-red value a*, blue-yellow value b*, chroma C*, hue angle h°))
. . . . . **R**: reflectance, 19x31 double matrix (19 geometries (45as-15, 45as15, 45as25, 45as45, 45as75, 45as110, 15as-15, 15as15, 15as-45, 15as45, 15as80, 45as25az90, 45as25az-90, 45as60az125.3, 45as60az-125.3, 15as38.3az43, 15as38.3az-43, 15as46.9az104.5, 15as46.9az-104.5), 31 wavelengths (400 nm: 10 nm: 700 nm))
. **MERCK**: MERCK pigments, flexo printing
. . **ARGon3**: robot-based gonioreflectometer ARGon³ of PTB
. . . **LAMBDA**: wavelength λ, 1x486 double matrix (486 wavelengths (363 nm: 1 nm: 848 nm))
. . . **OMEGA**: direction ω (incidence direction ω_i, reflection direction ω_r), 270x4 (270 geometries, 4 angles (incidence elevation angle θ_i, incidence azimuth angle φ_i, reflection elevation angle θ_r, reflection azimuth angle φ_r))
. . **BYKmac**: multi-angle spectrophotometer BYK-mac of BYK-Gardner
. . . **LAMBDA**: wavelength λ, 1x35 double matrix (35 wavelengths (380 nm: 10 nm: 720 nm))
. . . **OMEGA**: direction ω (incidence direction ω_i, reflection direction ω_r), 6x6 double matrix (6 geometries (45as-15, 45as15, 45as25, 45as45, 45as75, 45as110), 6 angles (incidence elevation angle θ_i, incidence azimuth angle φ_i, reflection elevation angle θ_r, reflection azimuth angle φ_r, in-plane aspect angle θ_{as}, at-specular azimuth angle φ_{az}))
. . **I123**: Iriodin 123 Bright Lustre Satin, silver white pigment, 5 µm – 25 µm, 25 %
. . **I103**: Iriodin 103 Rutil Sterling Silver, silver white pigment, 10 µm – 60 µm, 25 %
. . **I153**: Iriodin 153 Flash Pearl, silver white pigment, 20 µm – 100 µm, 25 %
. . **I323**: Iriodin 323 Royal Gold Satin, gold pigment, 5 µm – 25 µm, 25 %
. . **I305**: Iriodin 305 Solar Gold, gold pigment, 10 µm – 60 µm, 25 %
. . **I300**: Iriodin 300 Gold Pearl, gold pigment, 10 µm – 60 µm, 25 %
. . **I520**: Iriodin 520 Bronze Satin, iron oxide pigment, 5 µm – 25 µm, 25 %

. . **I4504**: Iriodin 4504 Lava Red, iron oxide pigment, 5 µm – 50 µm, 25 %
. . **I500**: Iriodin 500 Bronze, iron oxide pigment, 10 µm – 60 µm, 25 %
. . **I201**: Iriodin 201 Rutil Fine Gold, interference effect pigment, 5 µm – 25 µm, 25 %
. . **I211**: Iriodin 211 Rutil Fine Red, interference effect pigment, 5 µm – 25 µm, 25 %
. . **I221**: Iriodin 221 Rutil Fine Blue, interference effect pigment, 5 µm – 25 µm, 25 %
. . **I231**: Iriodin 231 Rutil Fine Green, interference effect pigment, 5 µm – 25 µm, 25 %
. . **I205**: Iriodin 205 Rutil Platinum Gold, interference effect pigment, 10 µm – 60 µm, 25 %
. . **I215**: Iriodin 215 Rutil Red Pearl, interference effect pigment, 10 µm – 60 µm, 25 %
. . **I225**: Iriodin 225 Rutil Blue Pearl, interference effect pigment, 10 µm – 60 µm, 25 %
. . **I235**: Iriodin 235 Rutil Green Pearl, interference effect pigment, 10 µm – 60 µm, 25 %
. . **CF1000**: Colorstream F1000 Autumn Mystery, multi-color pigment, 5 µm – 50 µm, 20 %
. . **CT1001**: Colorstream T1001 Viola Fantasy, multi-color pigment, 5 µm – 50 µm, 20 %
. . **CT1002**: Colorstream T1002 Arctic Fire, multi-color pigment, 5 µm – 50 µm, 20 %
. . **CT1003**: Colorstream T1003 Tropic Sunrise, multi-color pigment, 5 µm – 50 µm, 20 %
. . **CT1004**: Colorstream T1004 Lapis Sunlight, multi-color pigment, 5 µm – 50 µm, 20 %
. . **CT1005**: Colorstream T1005 Pacific Lagoon, multi-color pigment, 10 µm – 60 µm, 20 %
. . **CT1006**: Colorstream T1006 Royal Damask, multi-color pigment, 10 µm – 60 µm, 20 %
. . **M5311**: Miraval 5311 Scenic White, sparkle pigment, 10 µm – 100 µm, 15 %
. . **M5320**: Miraval 5320 Scenic Gold, sparkle pigment, 10 µm – 100 µm, 15 %
. . **M5321**: Miraval 5321 Scenic Copper, sparkle pigment, 10 µm – 100 µm, 15 %
. . **M5325**: Miraval 5325 Scenic Turquoise, sparkle pigment, 10 µm – 100 µm, 15 %
. . . **WGCP**: white glossy coated paper, LumiArt, Stora Enso, 120 g/m²
. . . **WMCP**: white matte coated paper, LumiSilk, Stora Enso, 120 g/m²
. . . . **UVS**: unvarnished surface, without clear gloss varnish
. . . . **GVS**: glossy varnished surface, with clear gloss varnish
. . . . . **WPB**: white paper background, without black absorption ink
. . . . . **BPB**: black printed background, with black absorption ink
. . . . . **ARGon3**: robot-based gonioreflectometer ARGon³ of PTB
. . . . . **C**: color (standard illuminant D65, standard observer 10°), 270x5 double matrix (270 geometries, 5 values (lightness L*, green-red value a*, blue-yellow value b*, chroma C*, hue angle h°))
. . . . . **R**: reflectance, 270x486 double matrix (270 geometries, 486 wavelengths (363 nm: 1 nm: 848 nm))
. . . . . **BYKmac**: multi-angle spectrophotometer BYK-mac of BYK-Gardner
. . . . . **C**: color (standard illuminant D65, standard observer 10°), 6x5 double matrix (6 geometries (45as-15, 45as15, 45as25, 45as45, 45as75, 45as110), 5 values (lightness L*, green-red value a*, blue-yellow value b*, chroma C*, hue angle h°))
. . . . . **R**: reflectance, 6x35 double matrix (6 geometries (45as-15, 45as15, 45as25, 45as45, 45as75, 45as110), 35 wavelengths (380 nm: 10 nm: 720 nm))
. . . . . **S**: sparkle, 3x3 double matrix (3 geometries (15/0, 45/0, 75/0), 3 values (sparkle area A, sparkle intensity I, sparkle grade G)
. . . . . **G**: graininess, 1x1 double matrix (1 geometry D/0)