



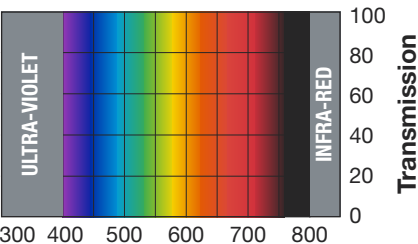
spectral charts



The following pages show a spectral chart and colour sample for each filter within the colour range and glass series.

The spectral chart illustrates the percentage of light transmitted by each filter at wavelengths across the visible portion of the electromagnetic spectrum.

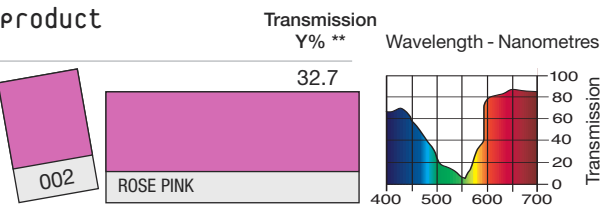
The illustration below clearly shows the visible colours represented at these wavelengths.



Wavelength - Nanometres

The colour sample of each filter shows an approximate representation of the colour when tungsten light of 3200K is shone through the filter onto a white surface.

product



contents



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	26-27	LED colour range	CL104 - CL182
	28-29	glass series	R31 - B06
	30-31	glass series	B14 - LD202
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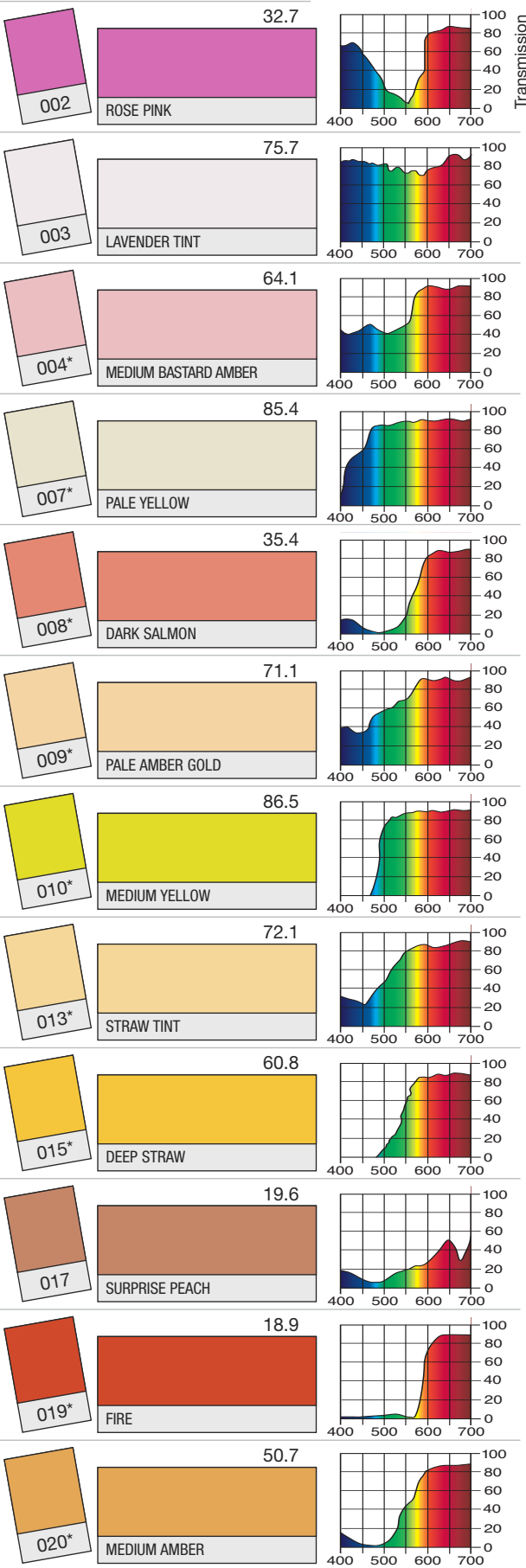
This section of the brochure utilises a six colour printing process, to give the best possible representation of our coloured filter on a printed page.



product

Transmission
Y% **

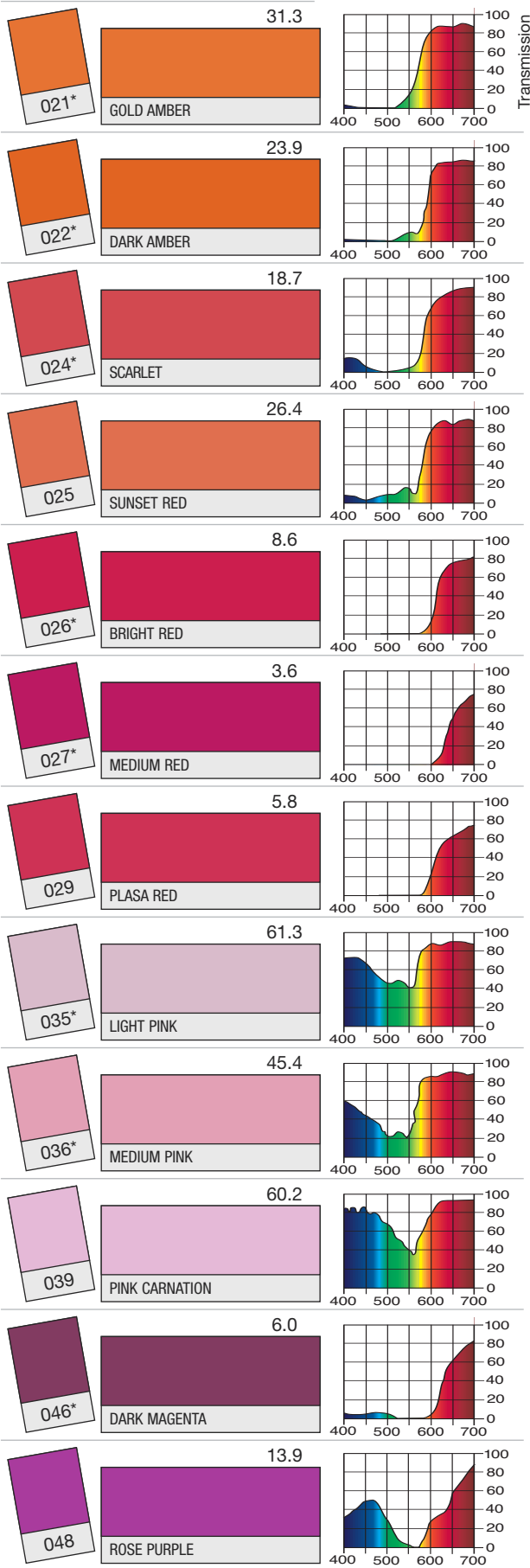
Wavelength - Nanometres



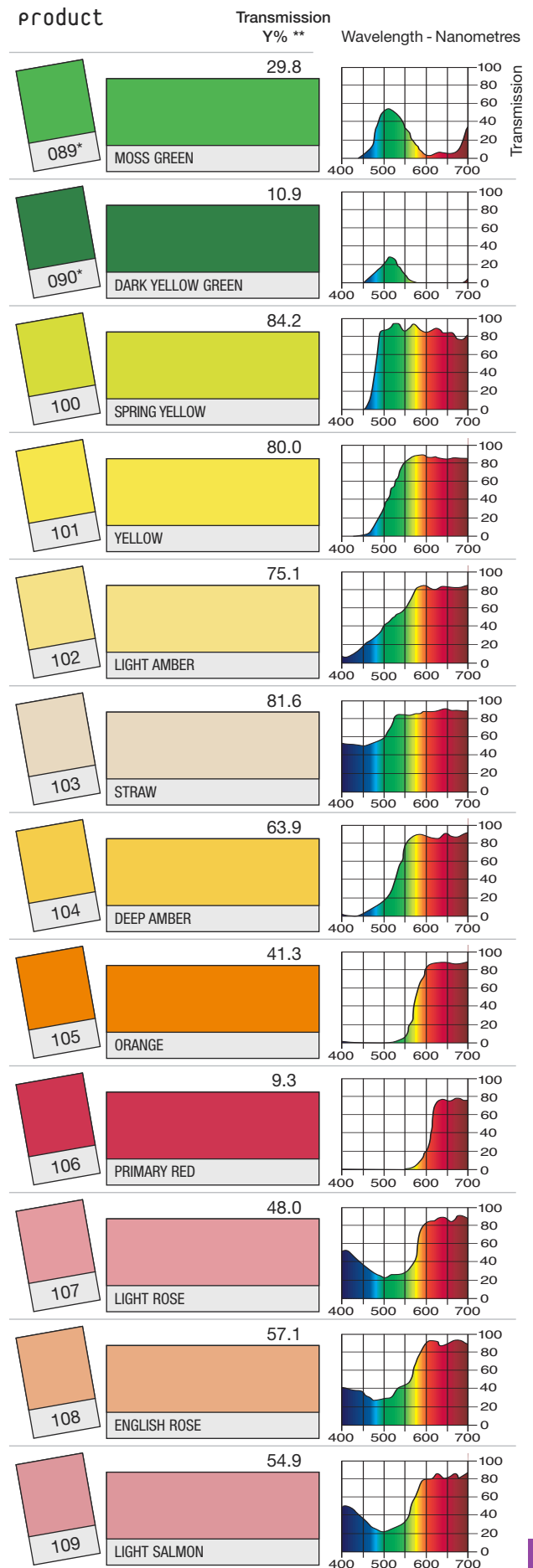
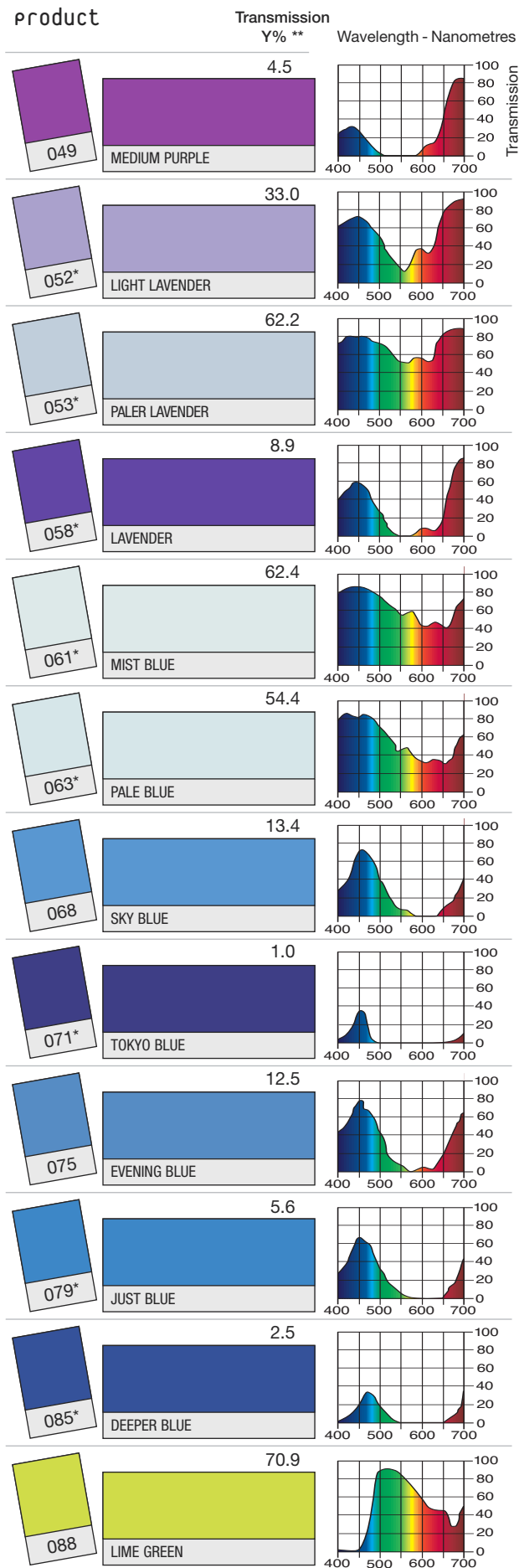
product

Transmission
Y% **

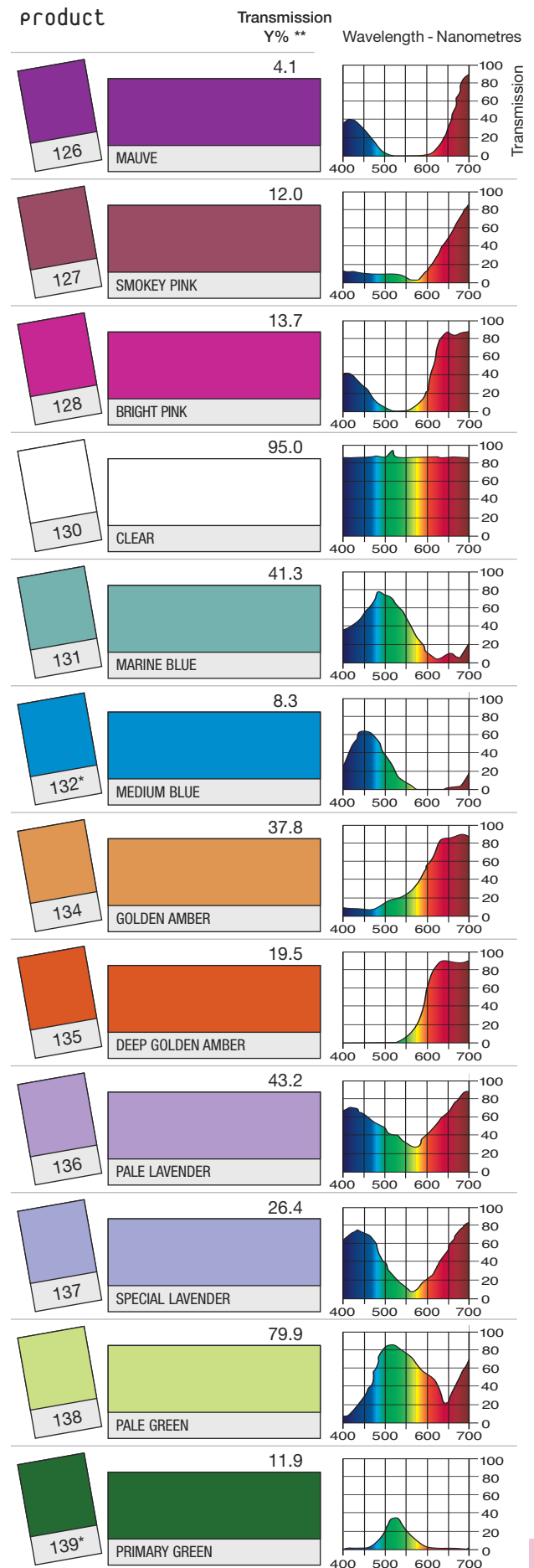
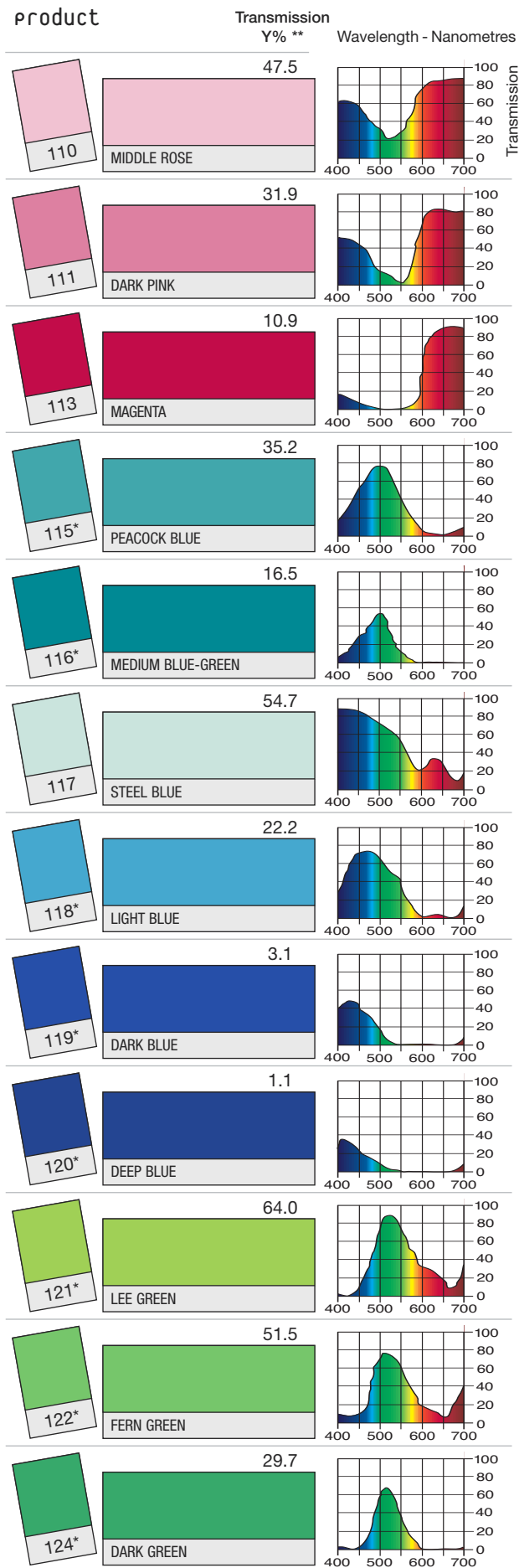
Wavelength - Nanometres



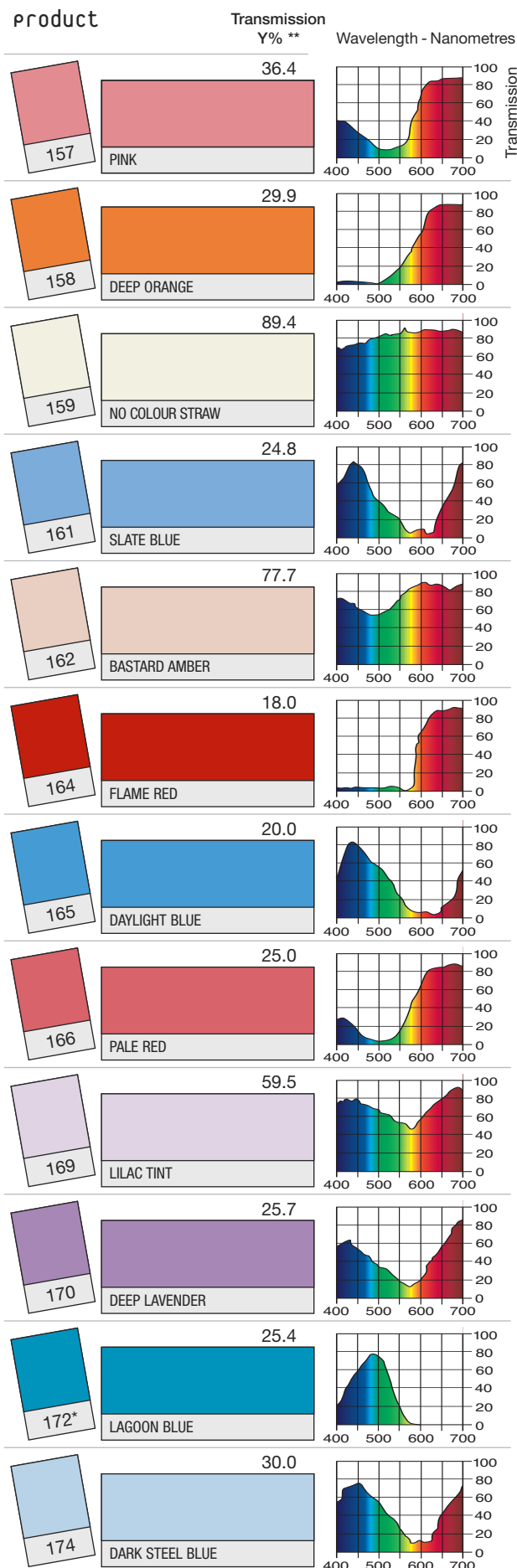
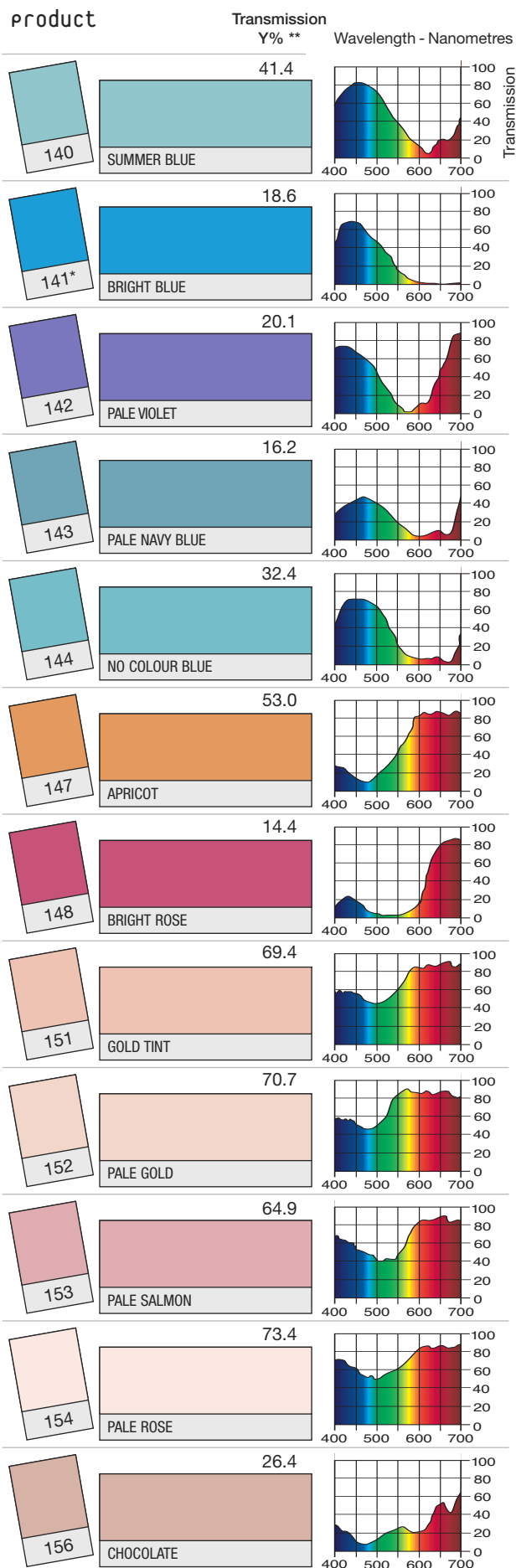
* Also available in High Temperature (HT) version
** As measured to source C



* Also available in High Temperature (HT) version
** As measured to source C



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Product	Transmission Y% **	Wavelength - Nanometres
176 LOVING AMBER	50.2	
179 CHROME ORANGE	54.0	
180 DARK LAVENDER	6.6	
181* CONGO BLUE	0.8	
182 LIGHT RED	11.0	
183 MOONLIGHT BLUE	18.7	
184 COSMETIC PEACH	58.6	
185 COSMETIC BURGUNDY	57.7	
186 COSMETIC SILVER ROSE	59.7	
187 COSMETIC ROUGE	58.8	
188 COSMETIC HIGHLIGHT	66.3	
189 COSMETIC SILVER MOSS	71.7	

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** As measured to source C

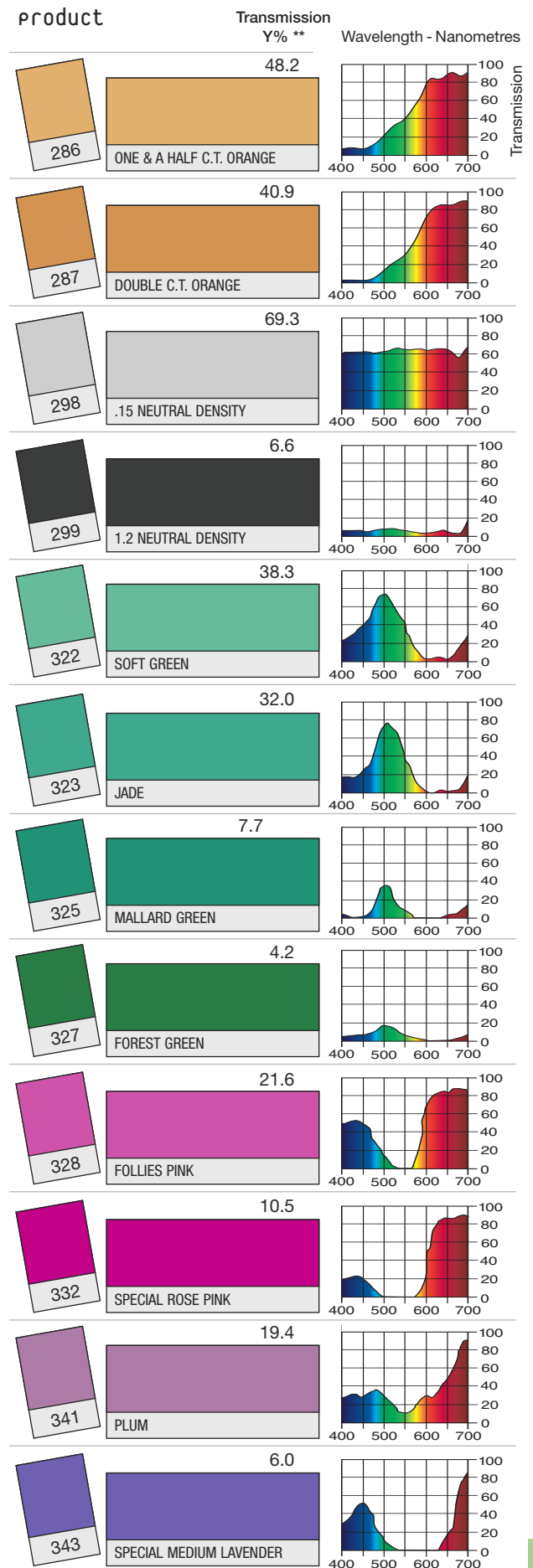
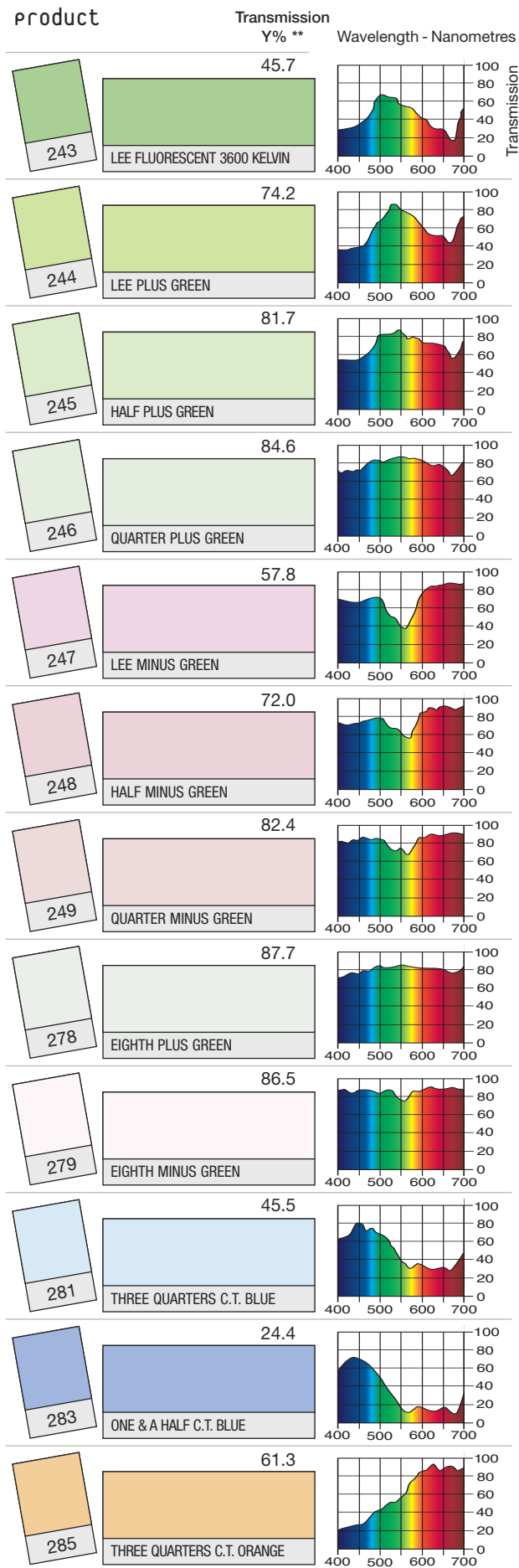
product	Transmission Y% **	Wavelength - Nanometres
190 COSMETIC EMERALD	67.1	
191 COSMETIC AQUA BLUE	65.8	
192 FLESH PINK	34.9	
193 ROSY AMBER	36.0	
194 SURPRISE PINK	22.3	
195* ZENITH BLUE	2.7	
196 TRUE BLUE	26.6	
197* ALICE BLUE	10.4	
198 PALACE BLUE	1.7	
199 REGAL BLUE	5.4	
200 DOUBLE C.T. BLUE	16.2	
201 FULL C.T. BLUE	34.0	

Product	Transmission Y% **	Wavelength - Nanometres
202 HALF C.T. BLUE	54.9	
203 QUARTER C.T. BLUE	69.2	
204 FULL C.T. ORANGE	55.4	
205 HALF C.T. ORANGE	70.8	
206 QUARTER C.T. ORANGE	79.1	
207 FULL C.T. ORANGE +.3ND	32.5	
208 FULL C.T. ORANGE +.6ND	15.6	
209 .3 NEUTRAL DENSITY	51.2	
210 .6 NEUTRAL DENSITY	23.5	
211 .9 NEUTRAL DENSITY	13.7	
212 L.C.T. YELLOW (Y1)	88.7	
213 WHITE FLAME GREEN	80.0	

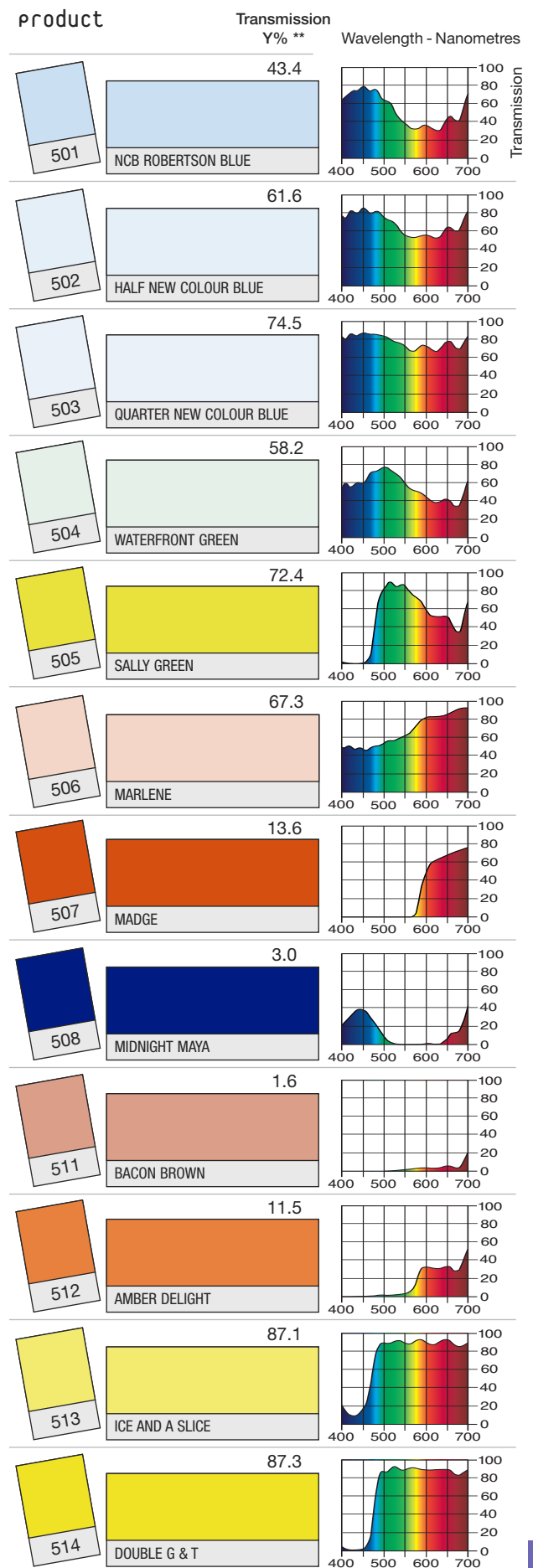
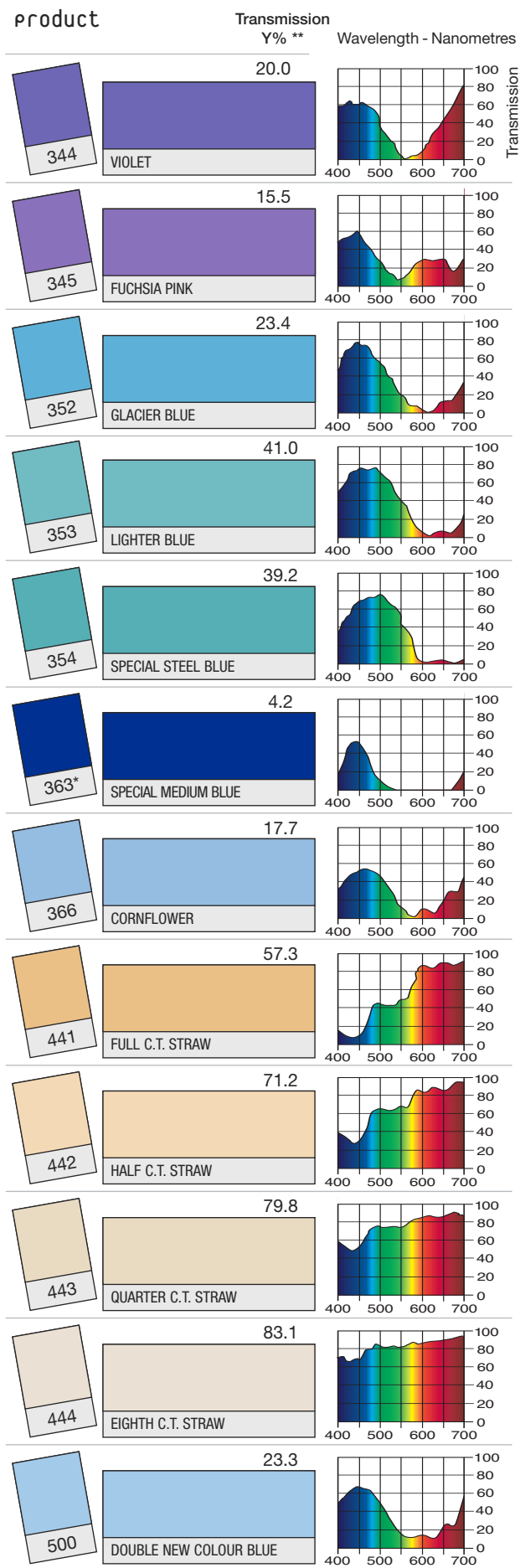
product	Transmission Y% **	Wavelength - Nanometres
218 EIGHT C.T. BLUE	81.3	
219 LEE FLUORESCENT GREEN	31.0	
223 EIGHT C.T. ORANGE	85.2	
226 LEE UV	91.5	
230 SUPER CORRECTION L.C.T. YELLOW	41.9	
232 SUPER CORRECTION W.F. GREEN	37.4	
236 HMI TO TUNGSTEN	58.2	
237 CID TO TUNGSTEN	38.2	
238 CSI TO TUNGSTEN	29.8	
239 POLARISER	50.0	
241 LEE FLUORESCENT 5700 KELVIN	27.4	
242 LEE FLUORESCENT 4300 KELVIN	37.3	

* Also available in High Temperature (HT) version

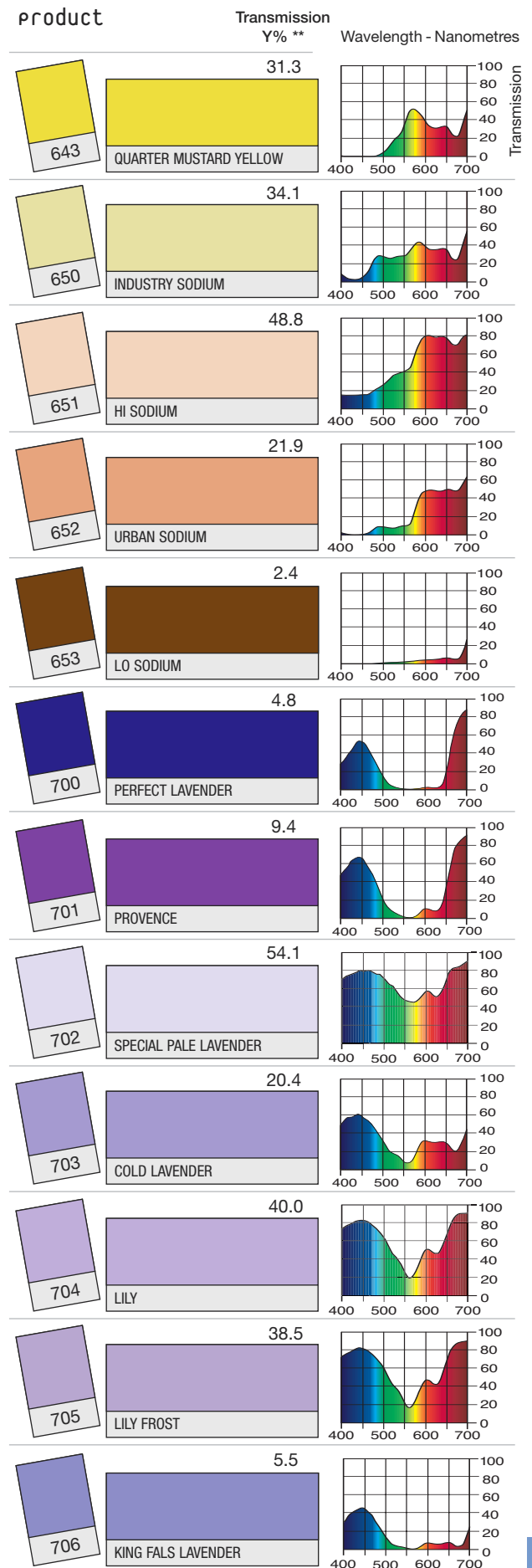
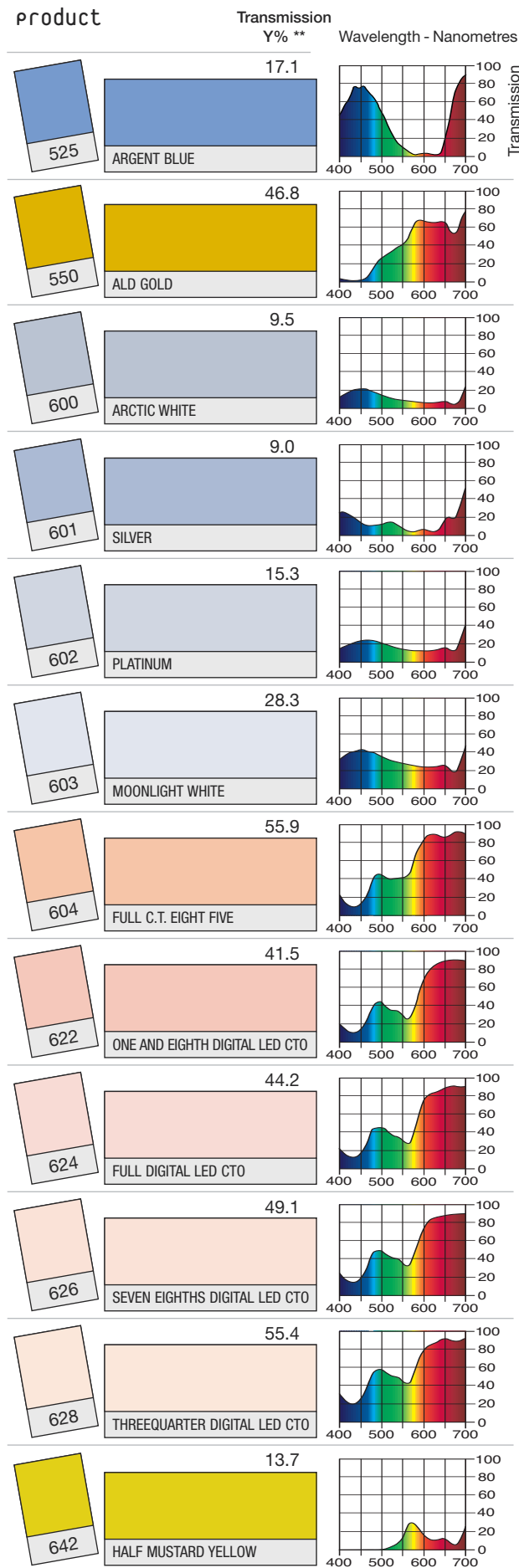
** As measured to source C



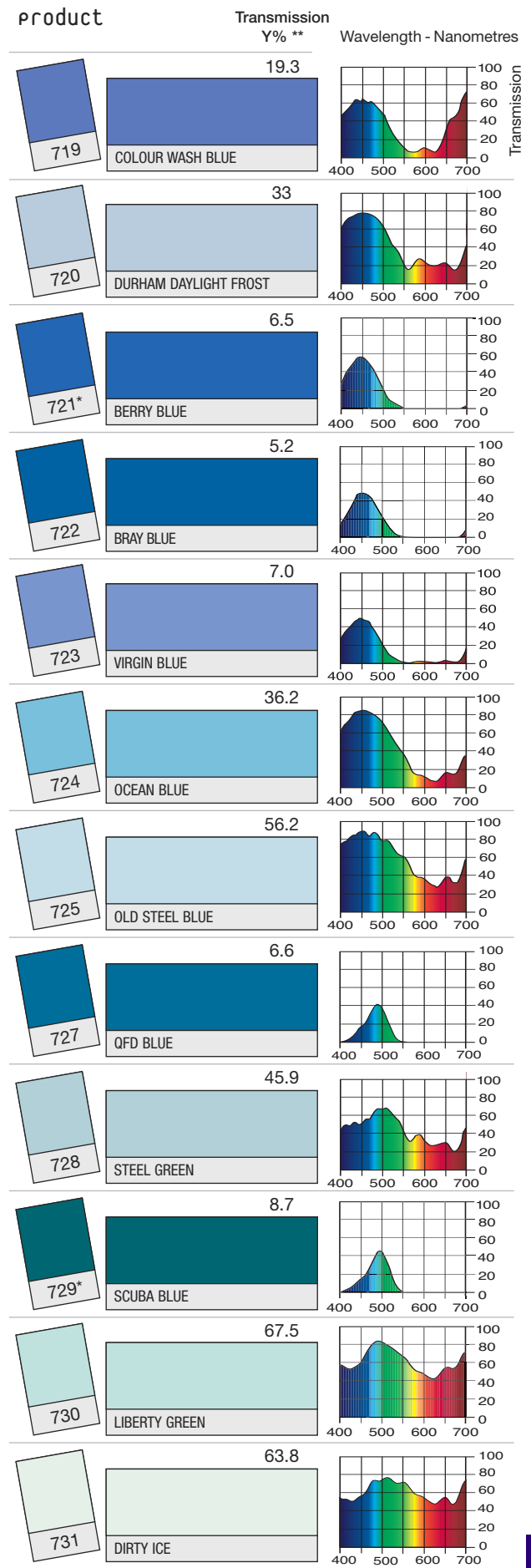
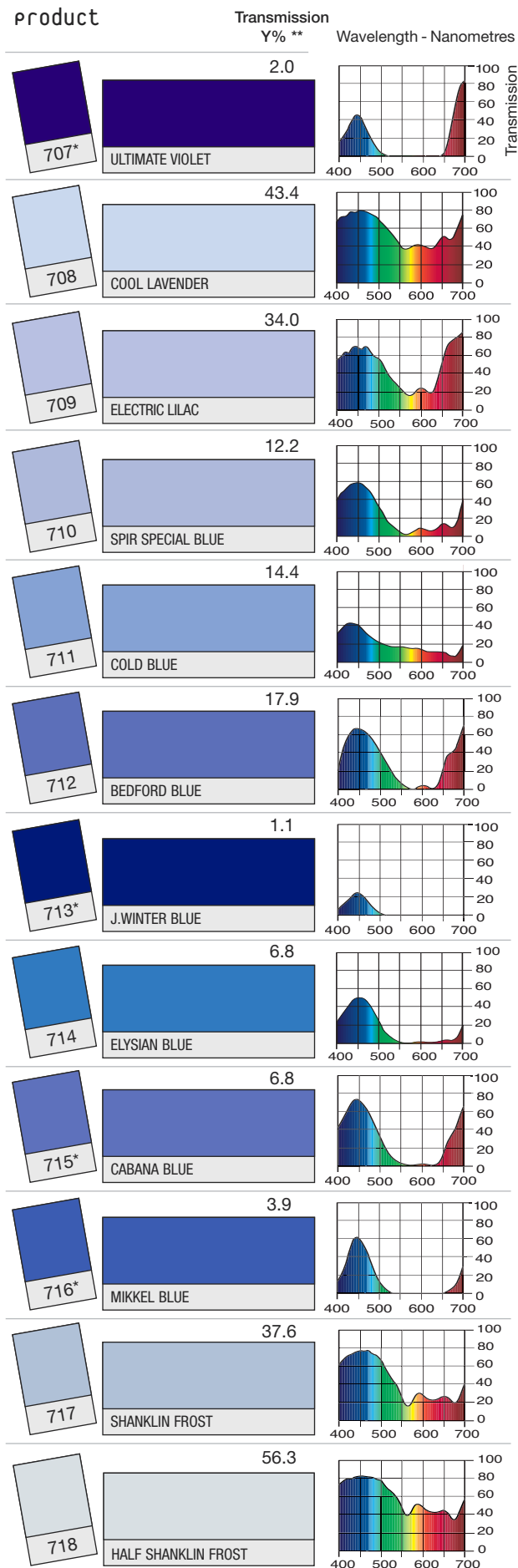
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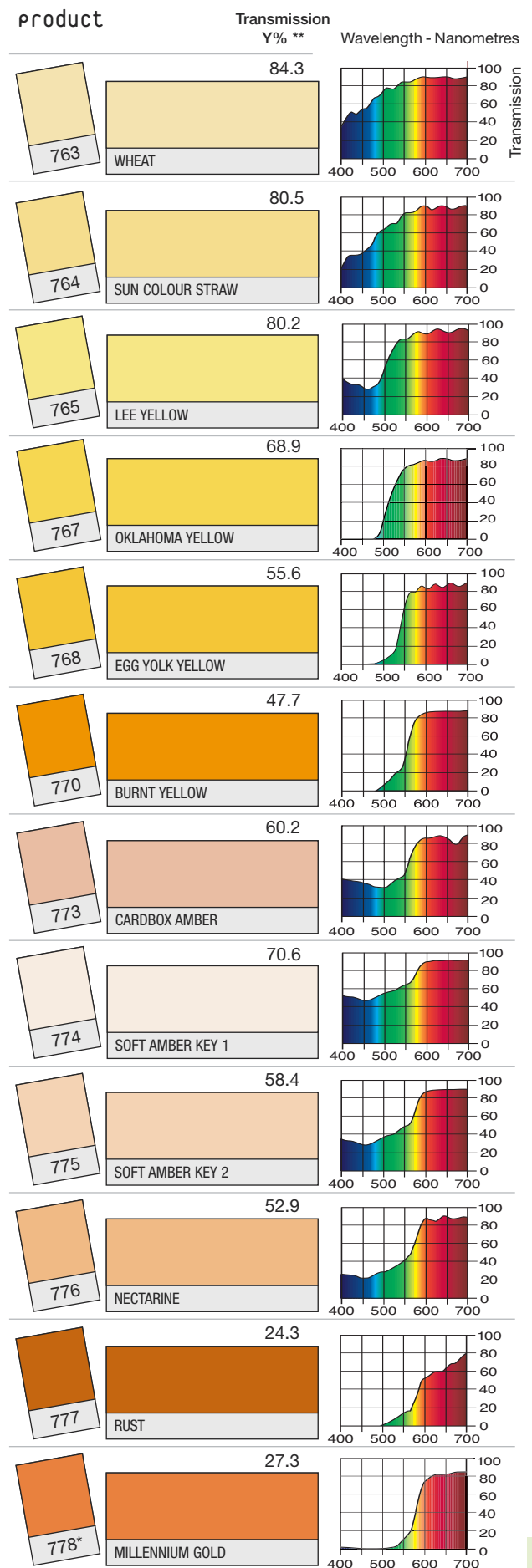
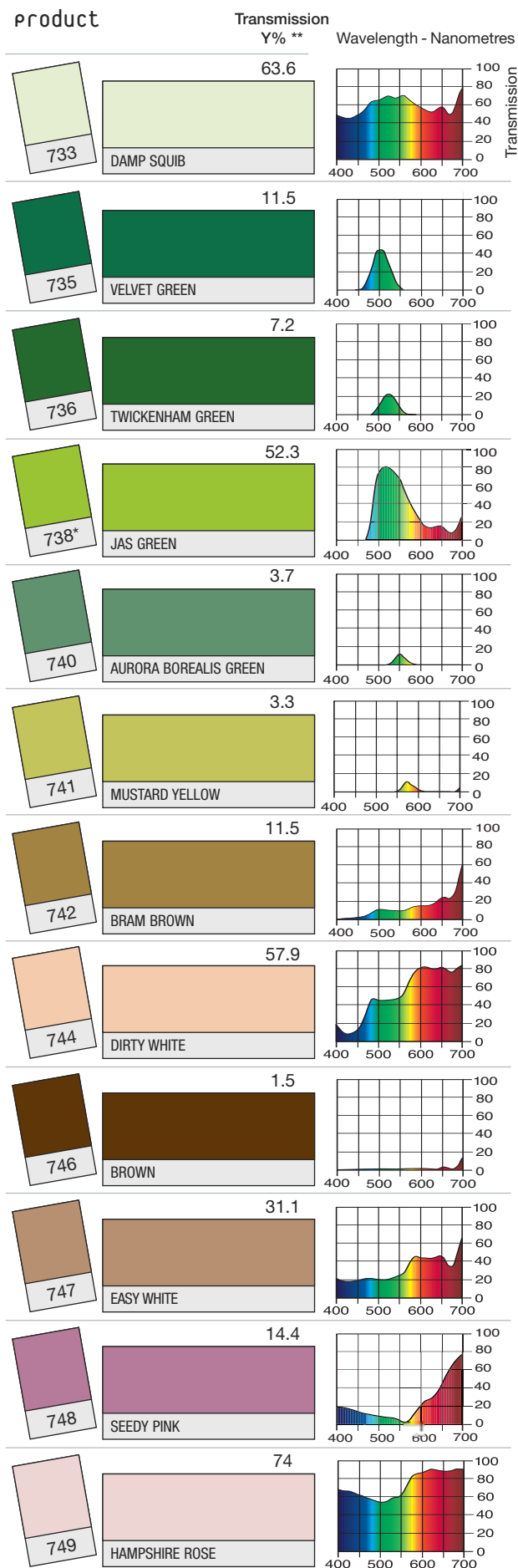
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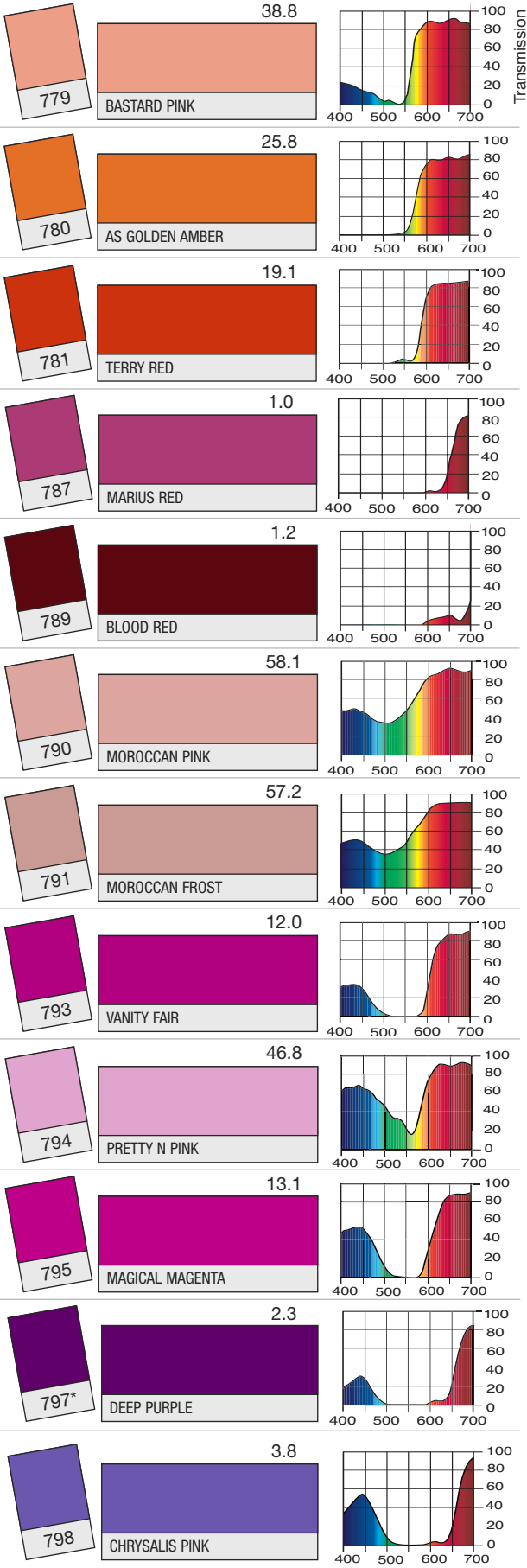
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product

Transmission
Y% **

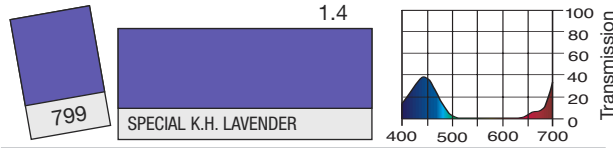
Wavelength - Nanometres



product

Transmission
Y% **

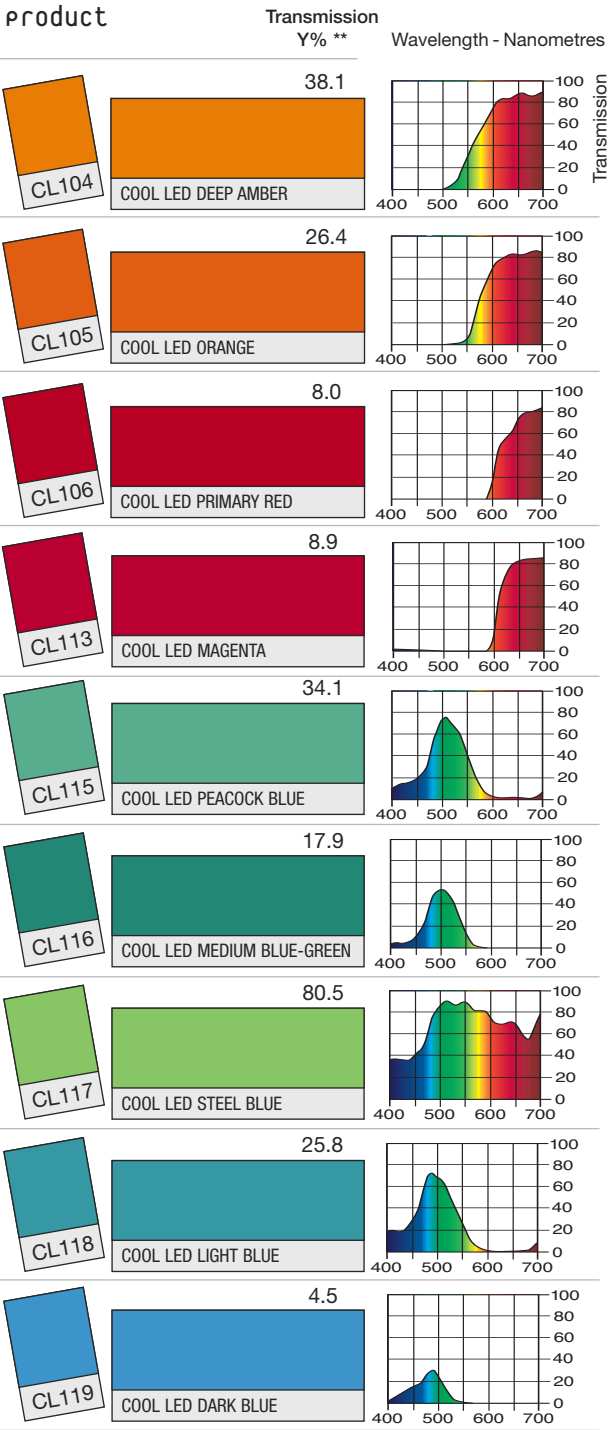
Wavelength - Nanometres



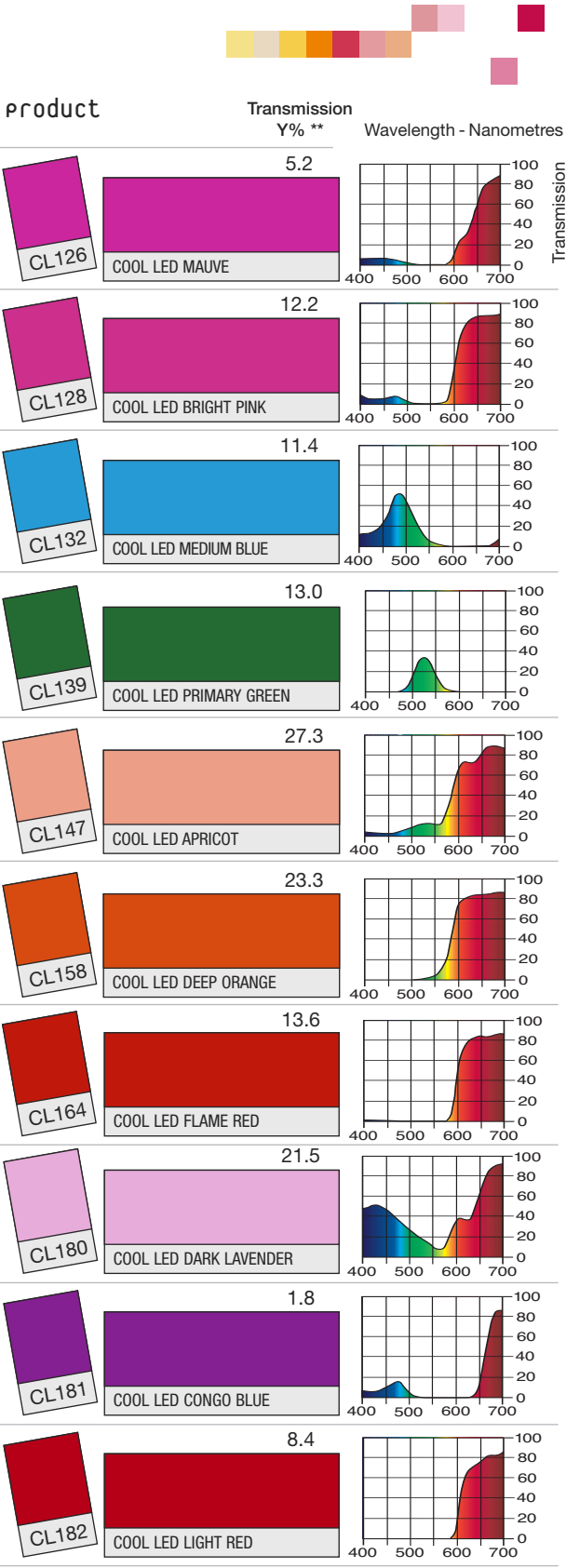
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** As measured to source C

When using normal coloured lighting filter on a Cool White LED fitting the colour ends up looking completely different, this is due to the LED fitting having so much blue in its spectrum. The problem of colours looking different is made even worse when mixing Cool White LED and Tungsten sources together, trying to get a colour match from the two different sources is virtually impossible.

The new LEE LED Filters have been designed specifically for use on Cool White LED fittings (>6000K) so that they give a good visual colour match to existing LEE colours when used on Tungsten (3200K). This means that a consistent visual colour can now be achieved when mixing Cool White LED and Tungsten sources together.



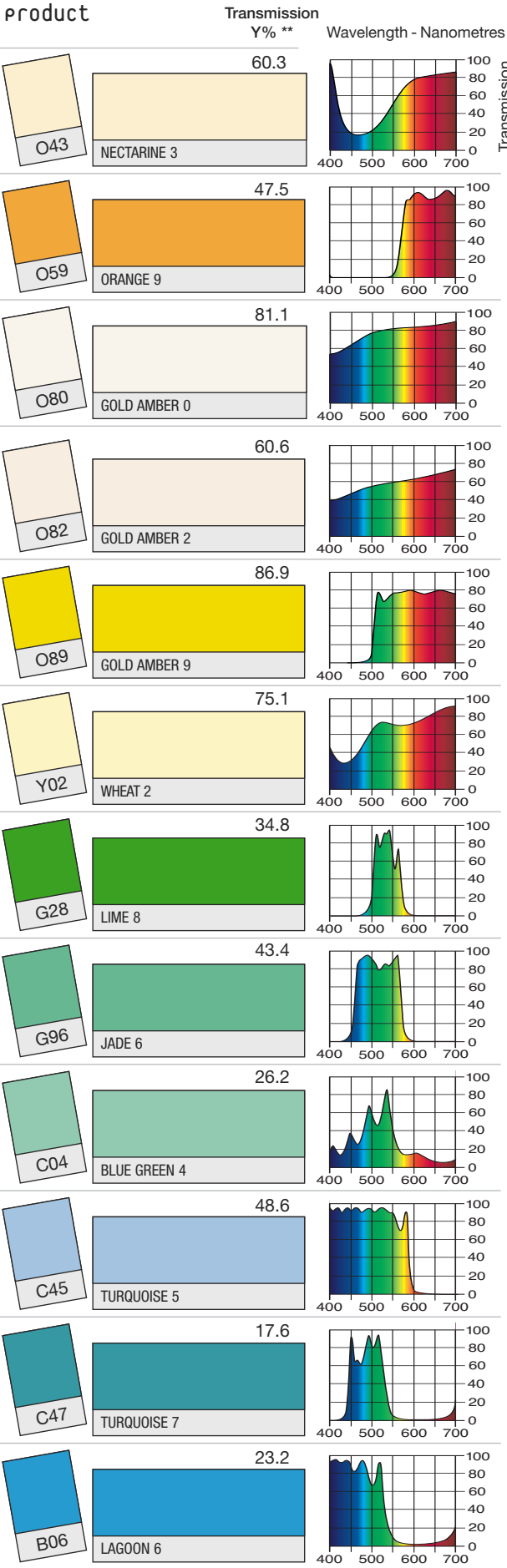
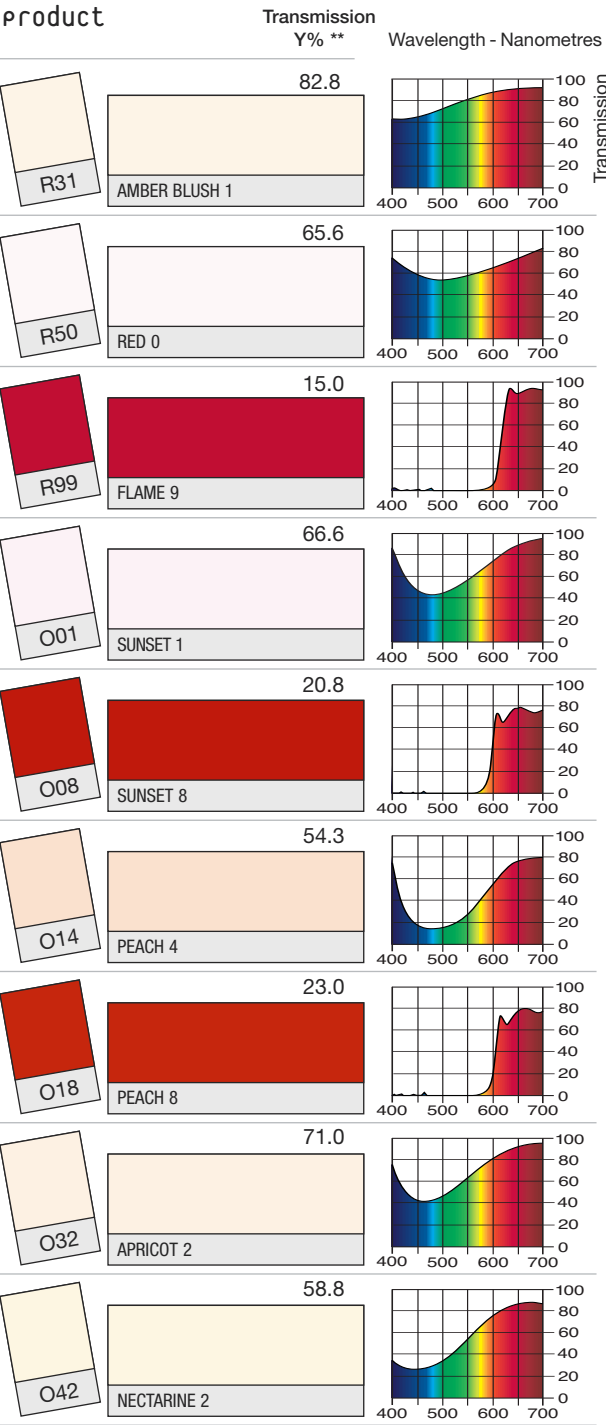
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LEE Filters Glass Dichroic Filters are produced by the vacuum deposition of layers of thin metal film onto a substrate of borofloat glass. The glass will not fade and should withstand temperatures up to 371°C.

All of the colours in the range are also available as Frosted Dichroic Filters. These filters are colour coated on one side with a diffuse texture on the reverse. The diffusion effect is very similar to LEE 251 Quarter White Diffusion. When using this type of filter the diffused side should be placed on the fixture outwards, away from the lamp.

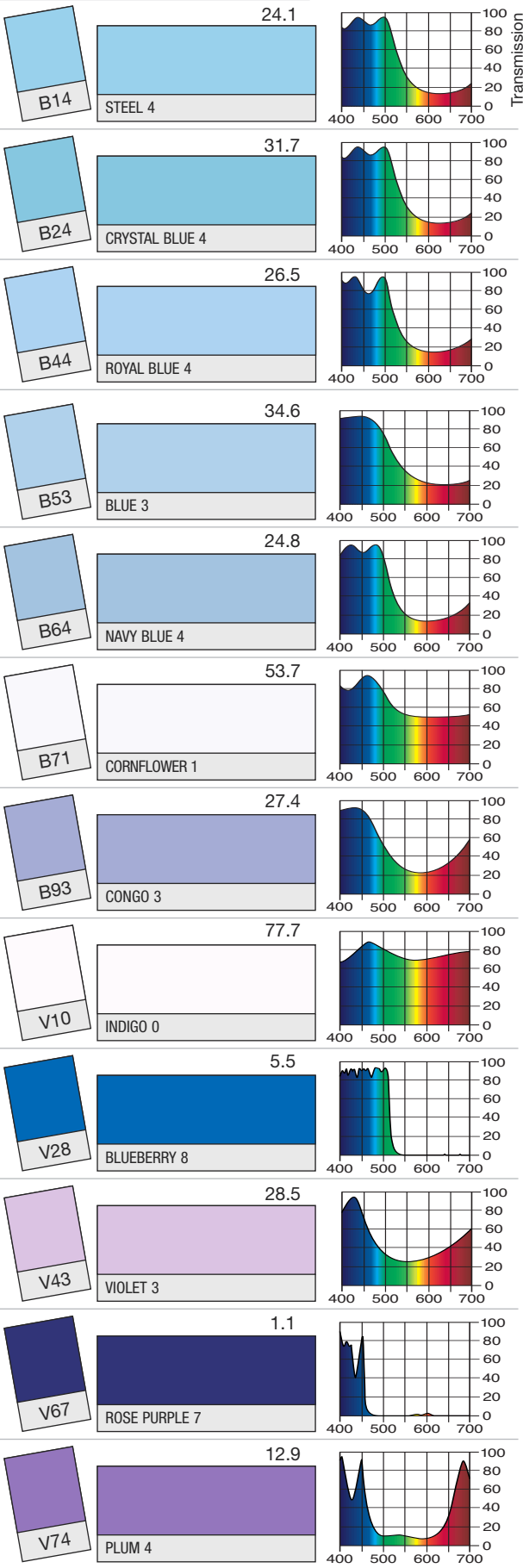


** As measured to source 3200K

product

Transmission
Y% **

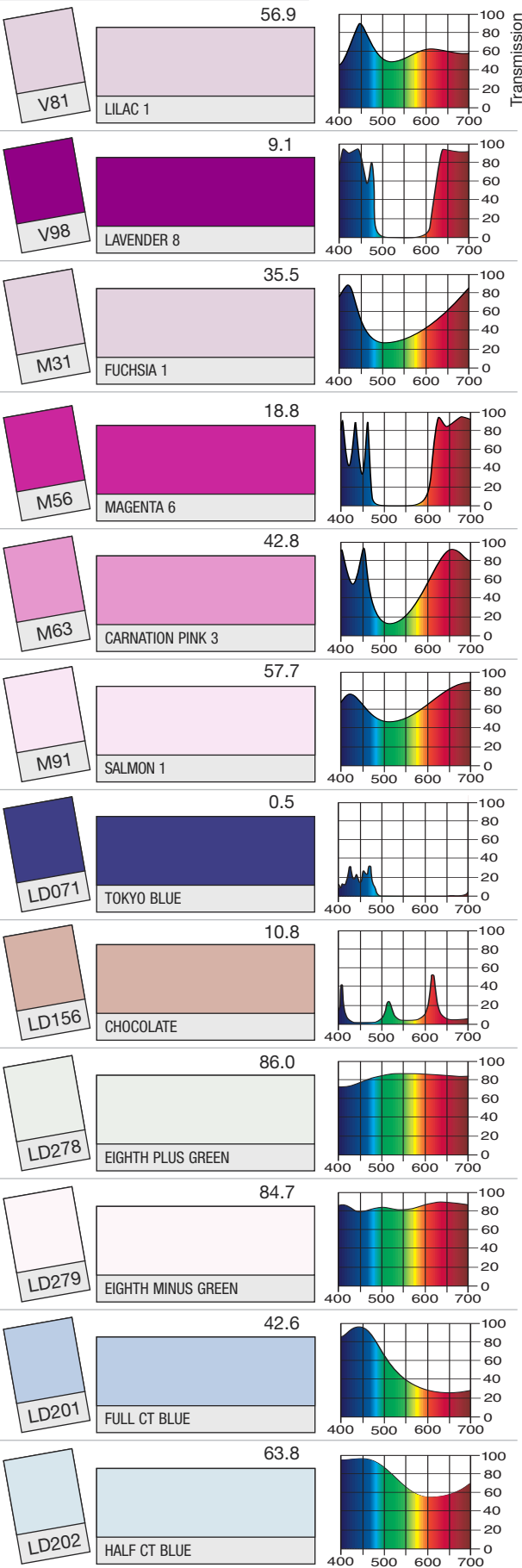
Wavelength - Nanometres



product

Transmission
Y% **

Wavelength - Nanometres



** As measured to source 3200K

