photobiologyFilters Version 0.4.3 Catalogue of filters

Pedro J. Aphalo

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1	\mathbf{I}_1	ntroduction	
lil	orary((ggplot2) (photobiologyFilters)	

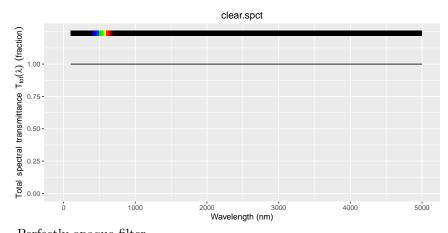
```
options(photobiology.plot.annotations = c("boxes", "labels", "colour.guide", "title"))
```

2 Dummy filters

2.1 Flat transmittance filters

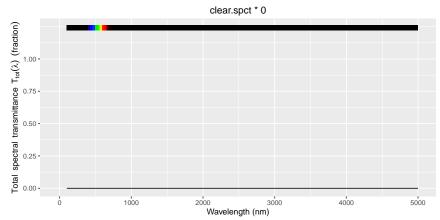
Perfectly clear filter.

```
plot(clear.spct,
     annotations = c("colour.guide", "title"))
```



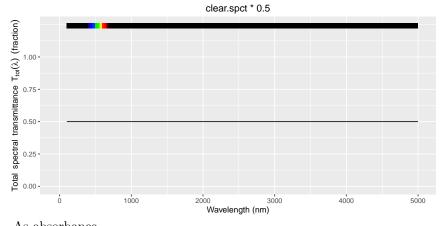
Perfectly opaque filter.

```
plot(clear.spct * 0,
    annotations = c("colour.guide", "title"))
```

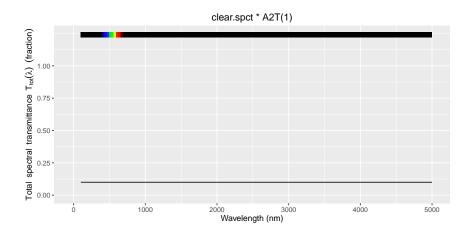


Flat neutral filters as fractional transmittance.

```
plot(clear.spct * 0.5,
    annotations = c("colour.guide", "title"))
```



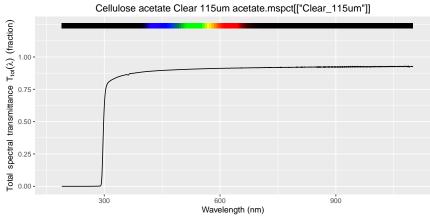
As absorbance.

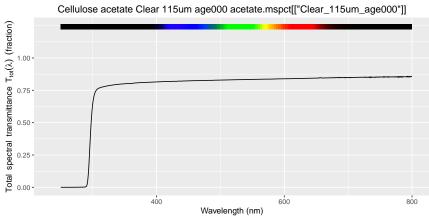


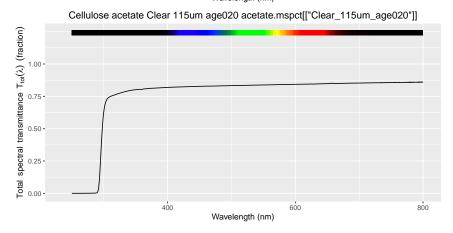
Plastic films 3

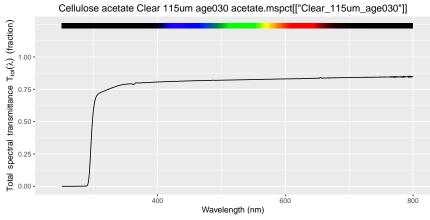
Cellulose diacetate

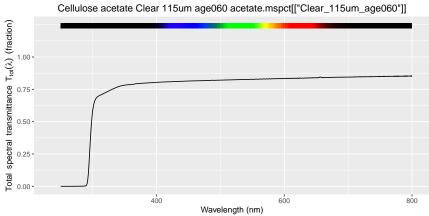
```
for (s in names(acetate.mspct)) {
```

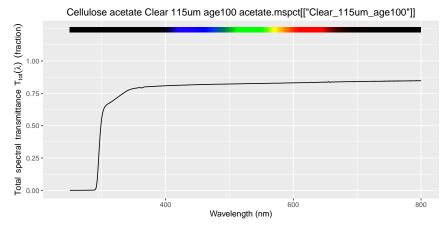


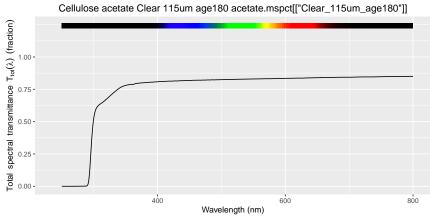


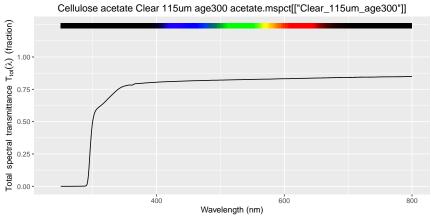


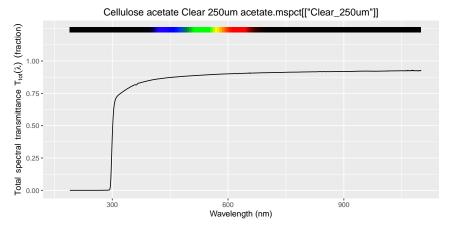


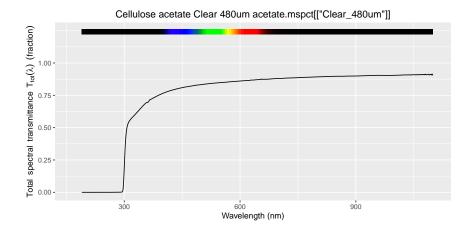






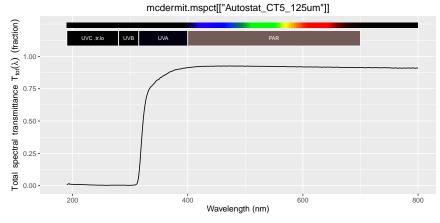






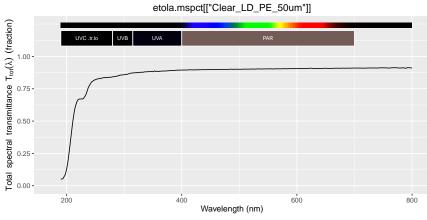
3.2 Polyester

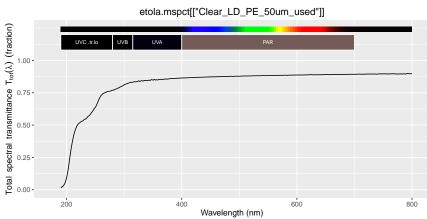




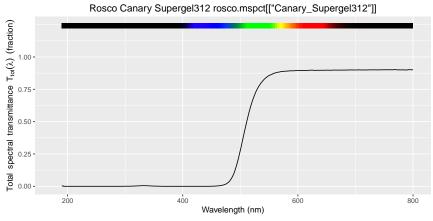
3.3 Polythene

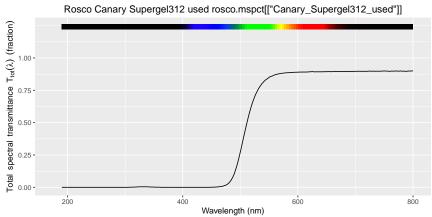
```
plot(etola.mspct[["Clear_LD_PE_50um"]])
plot(etola.mspct[["Clear_LD_PE_50um_used"]])
```

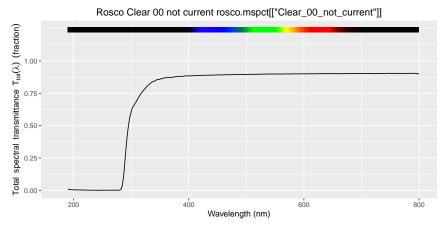


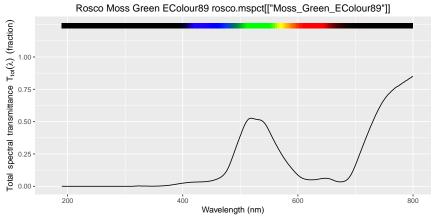


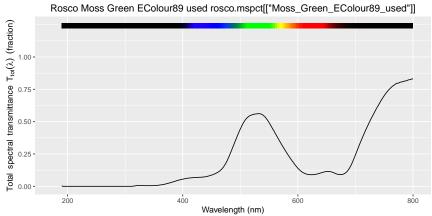
3.4 Rosco theatrical filters

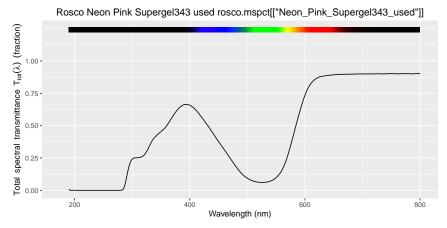


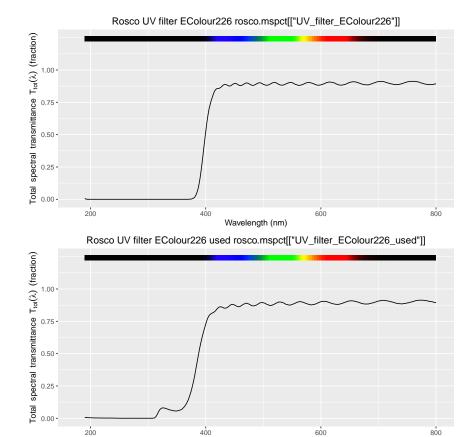






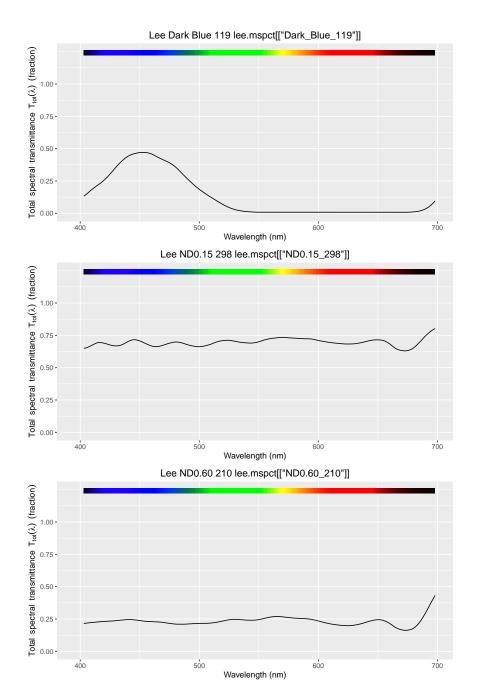


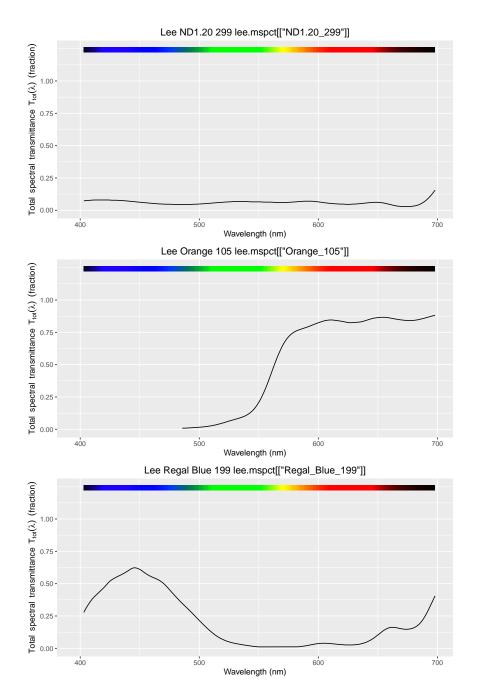


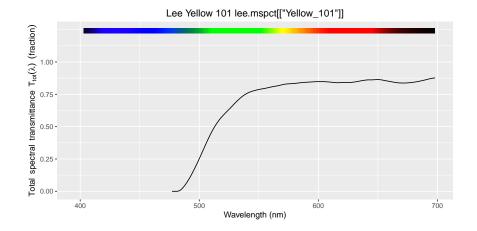


3.5 Lee theatrical filters

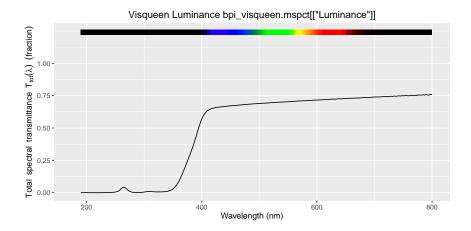
Wavelength (nm)

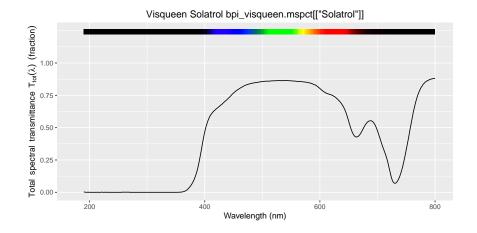




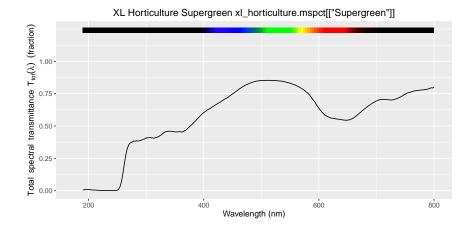


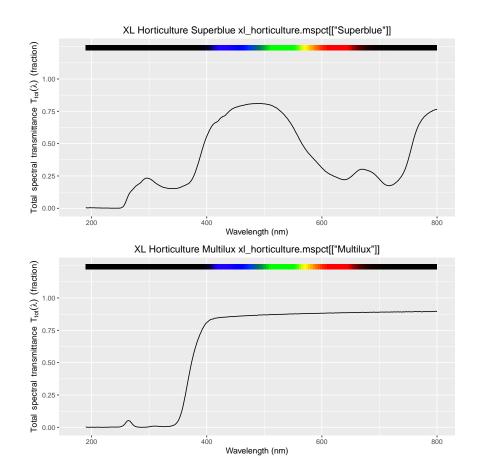
3.6 Commercial greenhouse films from BPI Agri Visqueen





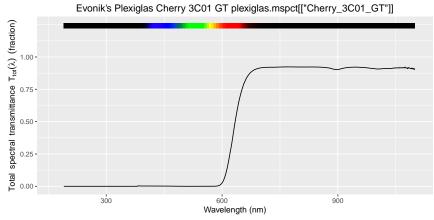
3.7 Commercial greenhouse films from XL Agriculture

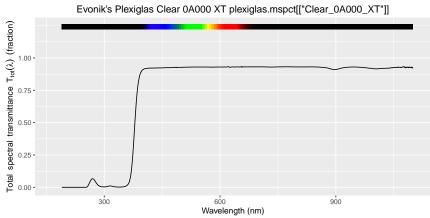


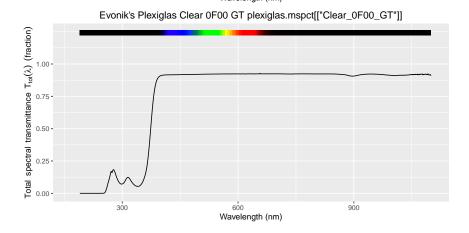


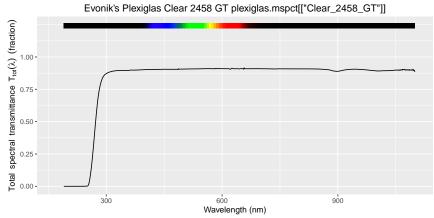
4 Plastic sheets

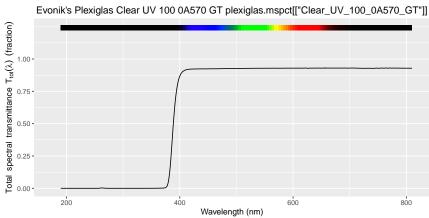
4.1 Plexiglas

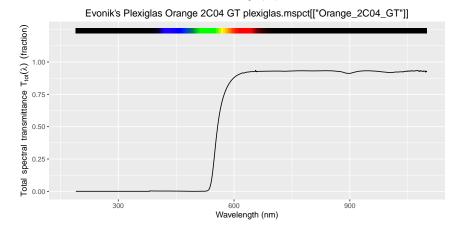


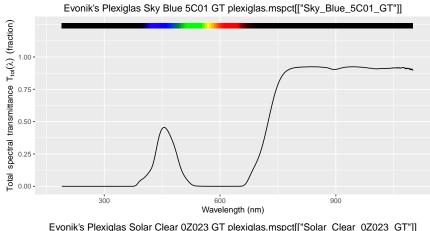


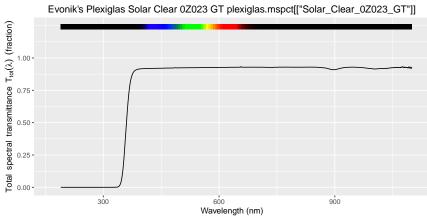


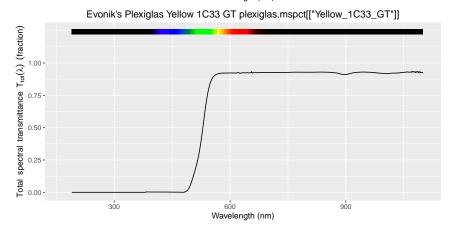




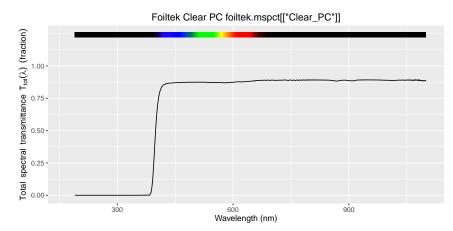


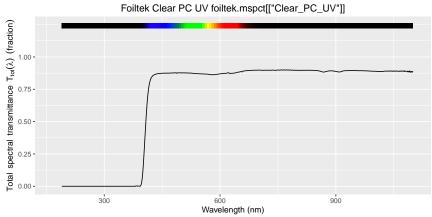






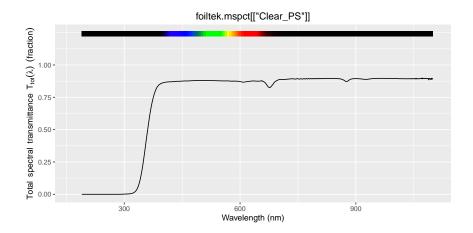
4.2 Polycarbonate





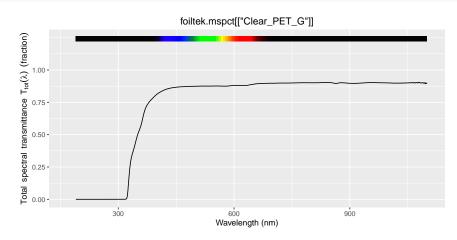
4.3 Polyestyrene

```
plot(foiltek.mspct[["Clear_PS"]],
    annotations = c("colour.guide", "title"))
```



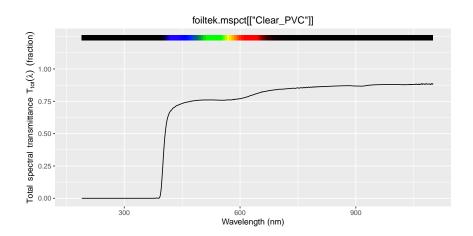
4.4 Polyester

```
plot(foiltek.mspct[["Clear_PET_G"]],
    annotations = c("colour.guide", "title"))
```



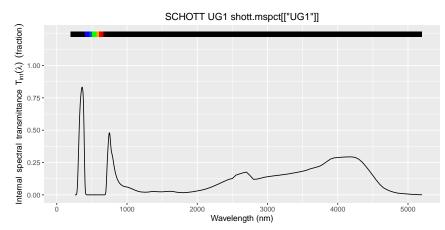
4.5 Polyvinilchloride

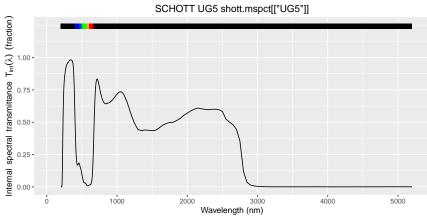
```
plot(foiltek.mspct[["Clear_PVC"]],
    annotations = c("colour.guide", "title"))
```

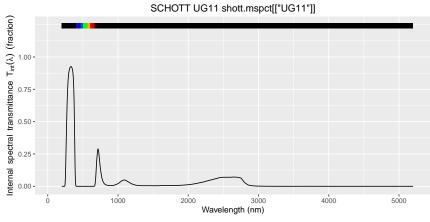


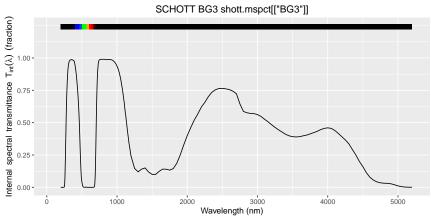
5 Optical glass filters

5.1 Schott long-pass filters

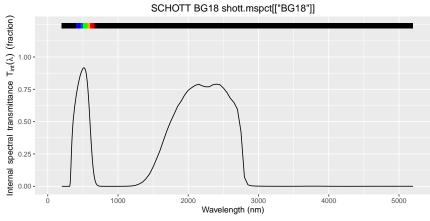


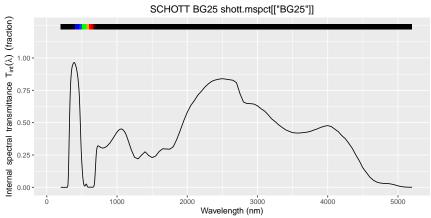


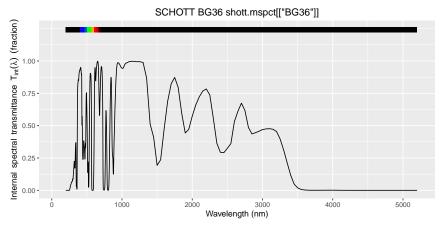


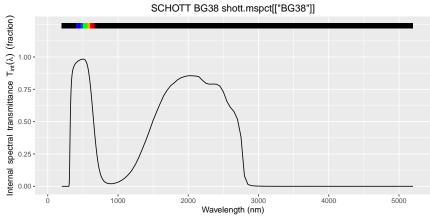


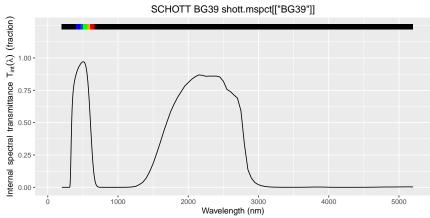


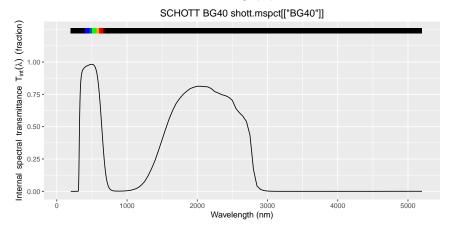


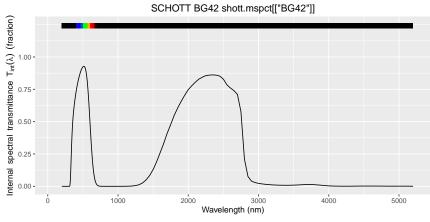


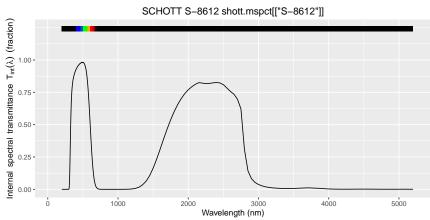


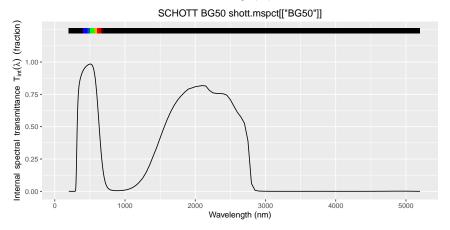


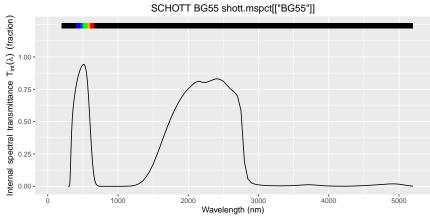


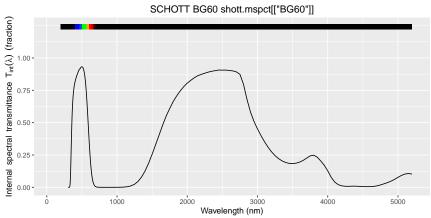


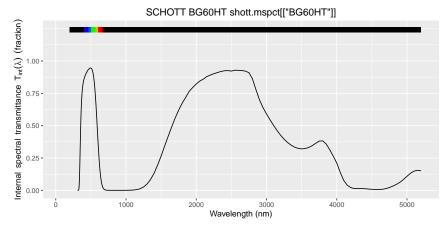


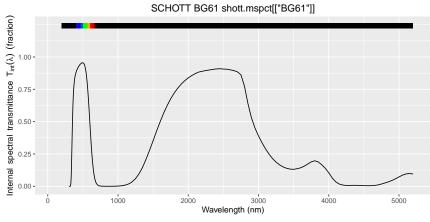


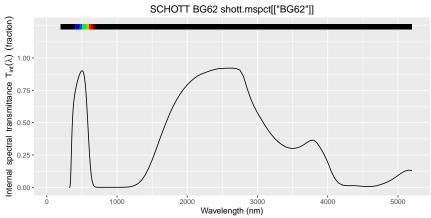


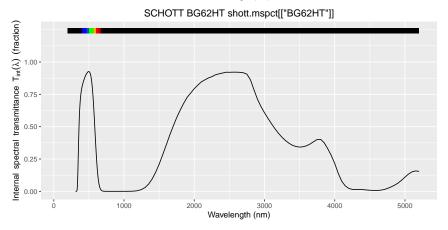


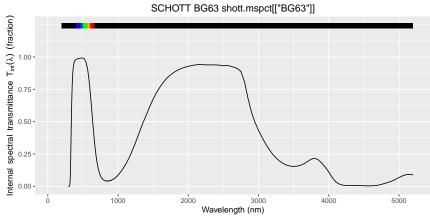


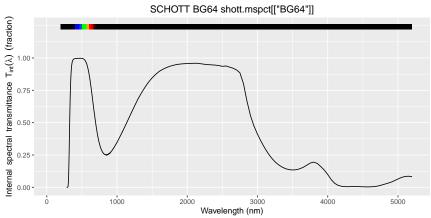


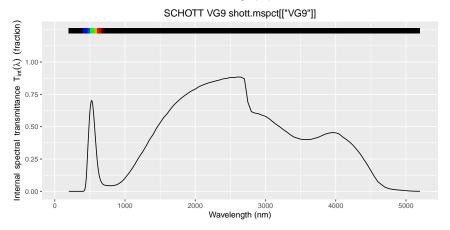


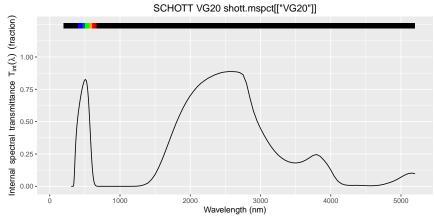


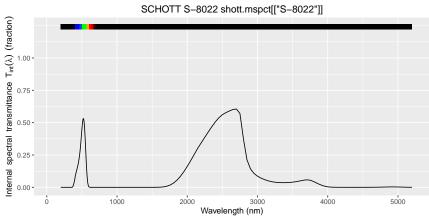


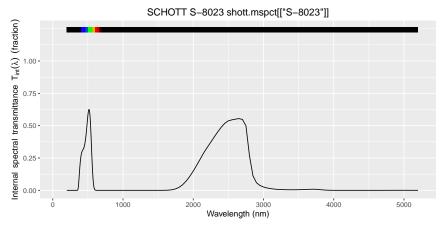


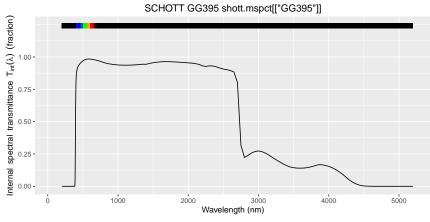


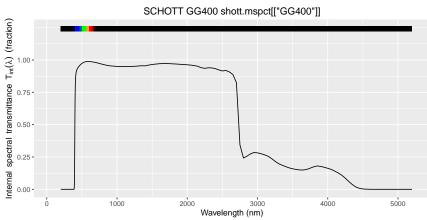


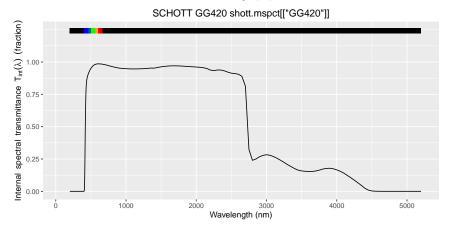


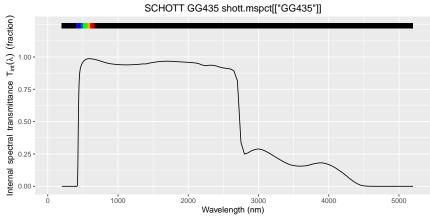


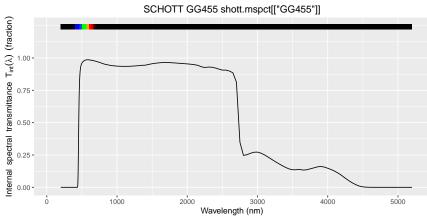


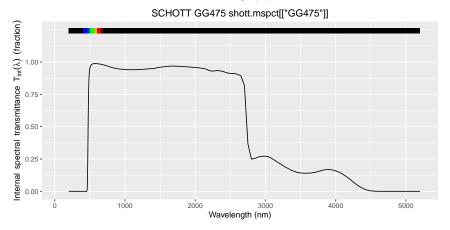


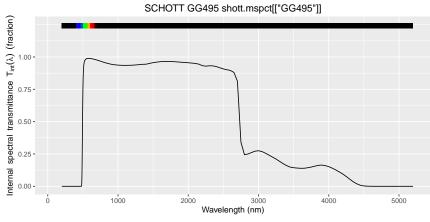


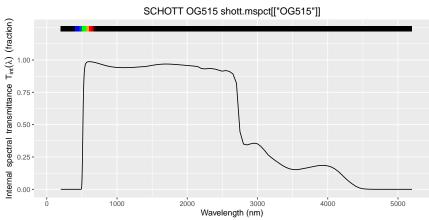




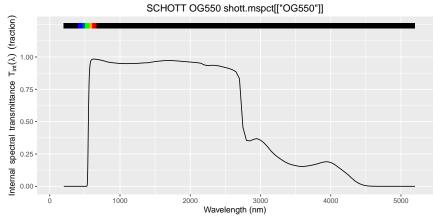


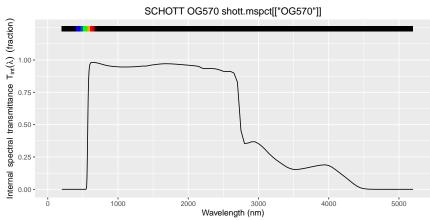


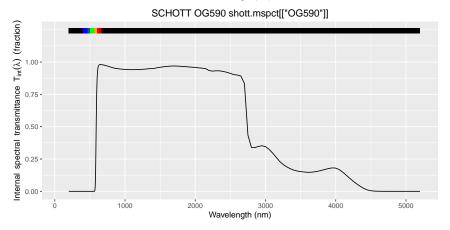


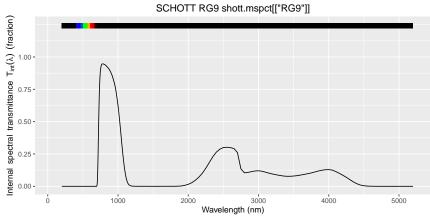


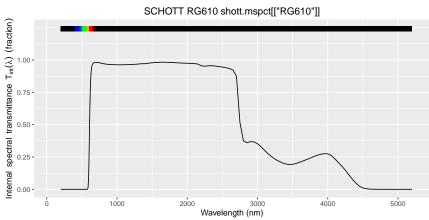


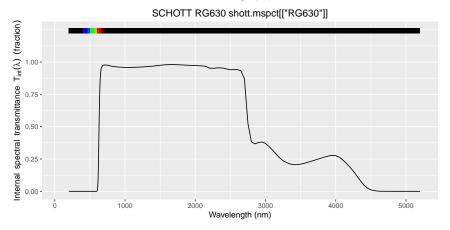


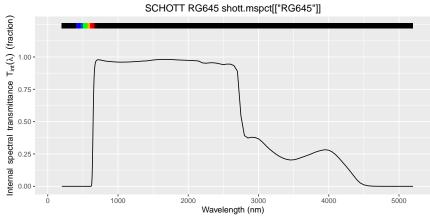


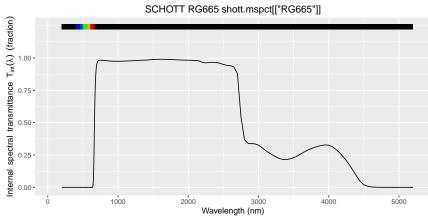


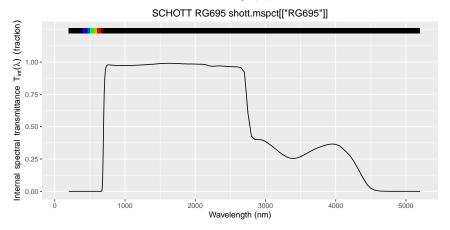


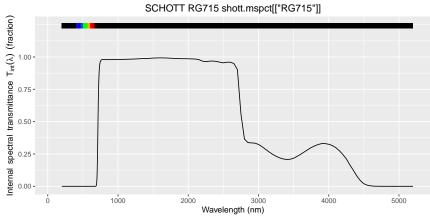


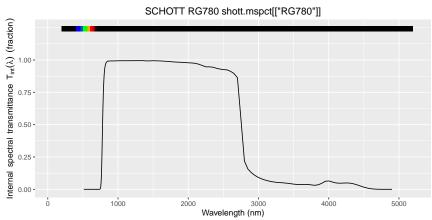


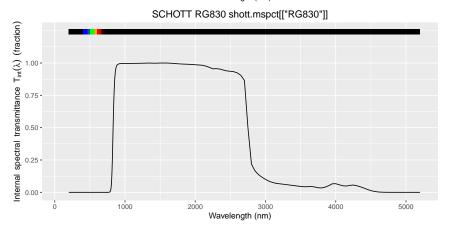


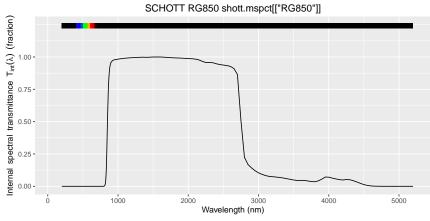


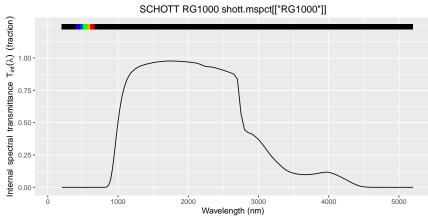


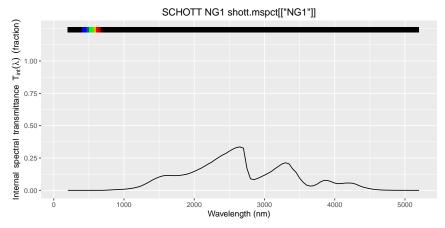


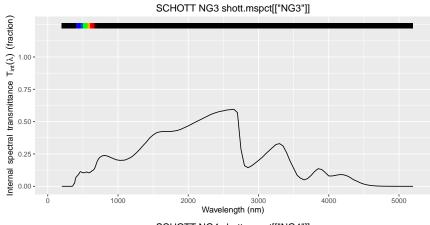


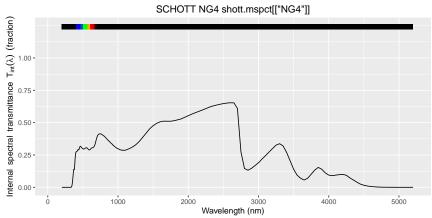


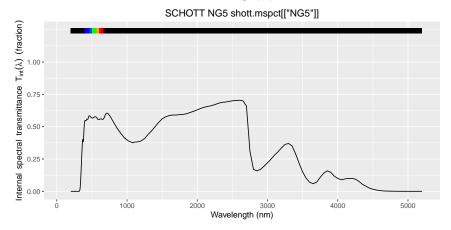


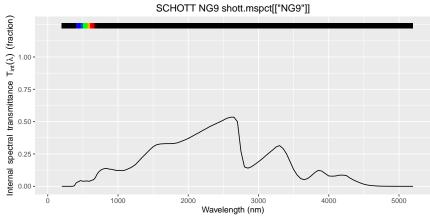


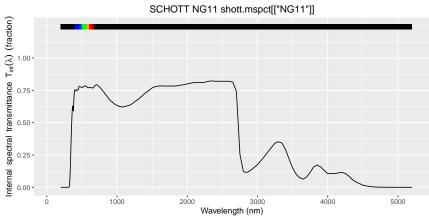


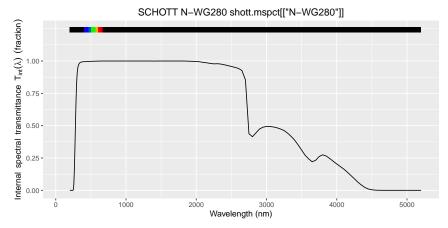


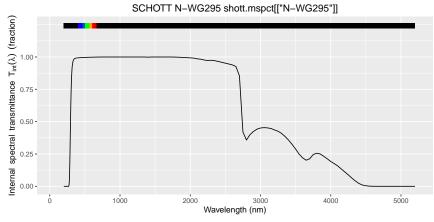


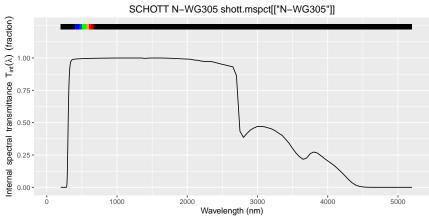


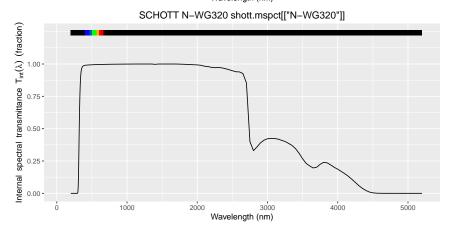


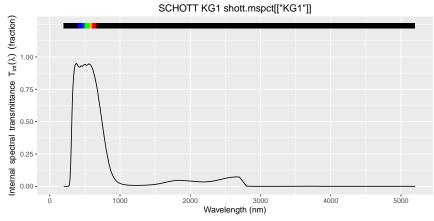


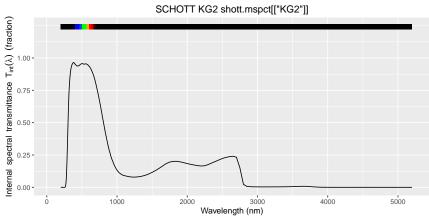


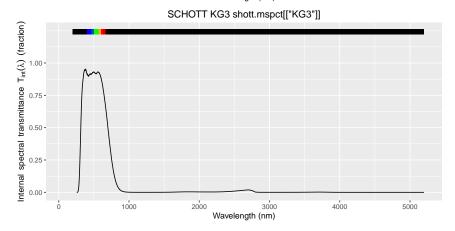


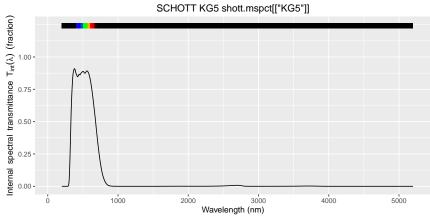


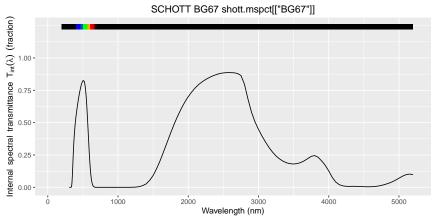


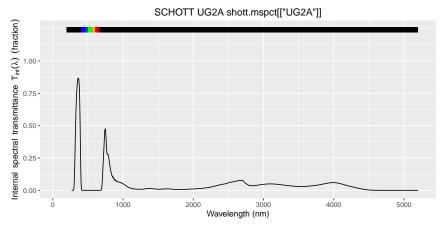


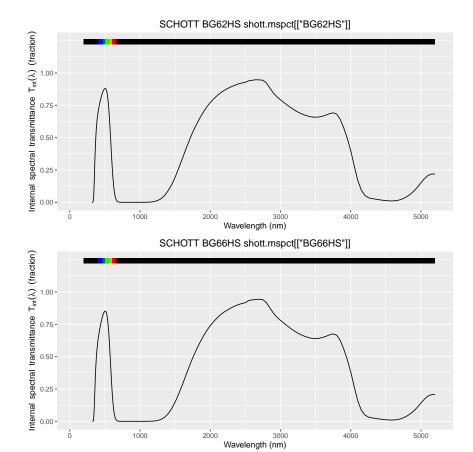












6 Petri dishes

```
plot(petri_dishes.mspct[["glass_nn"]])
plot(petri_dishes.mspct[["PS_Sterilin101"]])
plot(petri_dishes.mspct[["PS_Sterilin109"]])
```

