photobiologyFilters Version 0.1.9 Catalogue of filters

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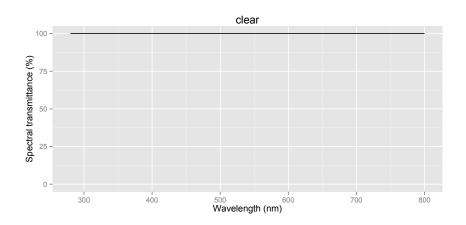
1 Introduction

```
library(ggplot2)
library(photobiologyFilters)
## Loading required package: photobiology
## Loading required package: lubridate
## Loading required package: data.table
##
## Attaching package: 'data.table'
##
## The following objects are masked from 'package:lubridate':
##
##
      hour, mday, month, quarter, wday, week, yday, year
library(photobiologygg)
## Loading required package: proto
## Loading required package: splus2R
## Loading required package: plyr
##
## Attaching package: 'plyr'
##
\textit{## The following object is masked from `package:lubridate':}
##
##
      here
```

2 Dummy filters

2.1 Perfectly clear filter

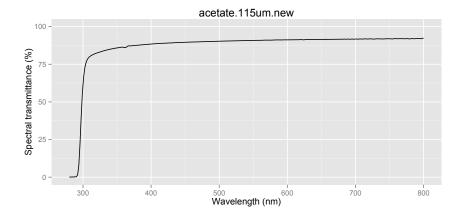
filter.plotter("clear")

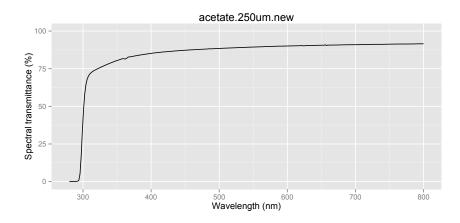


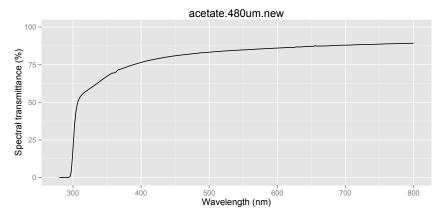
3 Plastic films

3.1 Cellulose diacetate

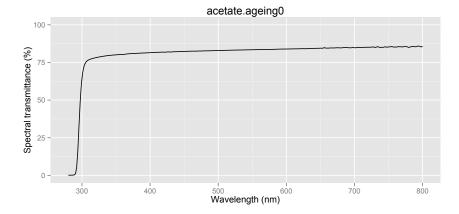
```
for (filter in c("acetate.115um.new", "acetate.250um.new", "acetate.480um.new")) {
   filter.plotter(filter)
}
```

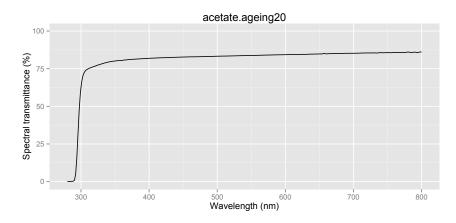


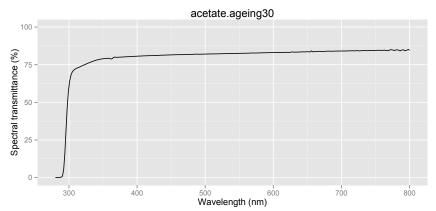


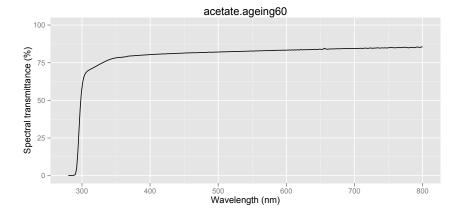


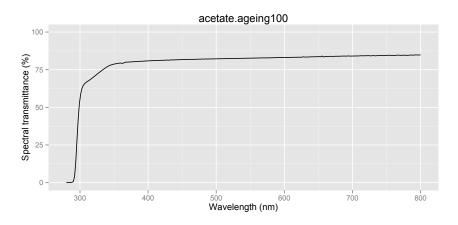
```
for (filter in c("acetate.ageing0", "acetate.ageing20", "acetate.ageing30", "acetate.ageing60", "acetate.ageing10
    filter.plotter(filter)
}
```

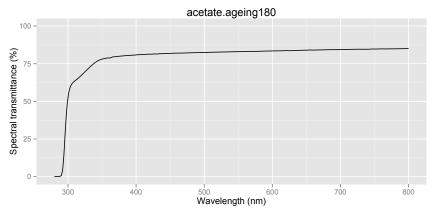


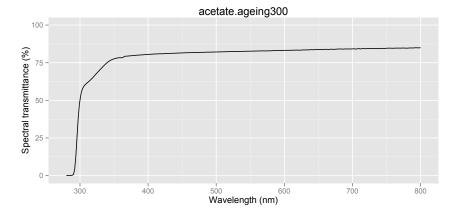






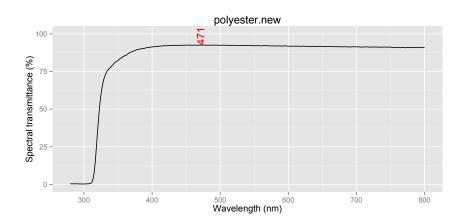






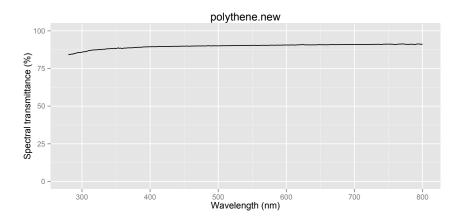
3.2 Polyester

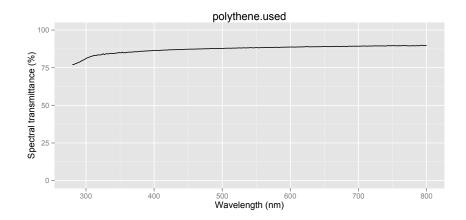
filter.plotter("polyester.new")



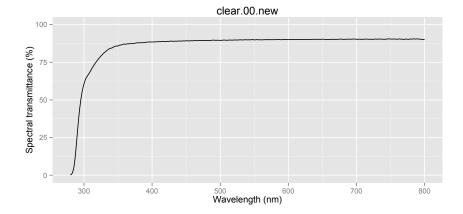
3.3 Polythene

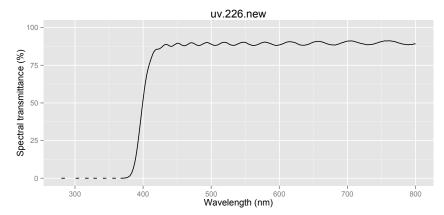
filter.plotter("polythene.new")
filter.plotter("polythene.used")

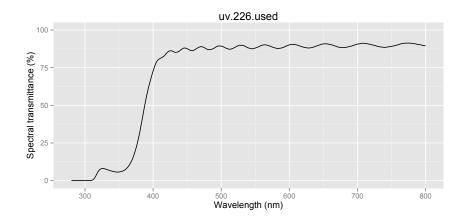


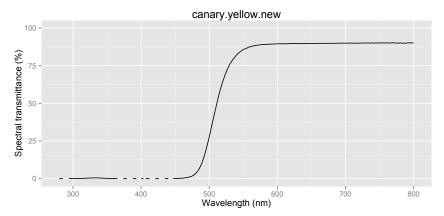


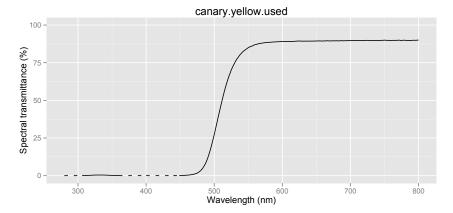
3.4 Rosco theatrical filters

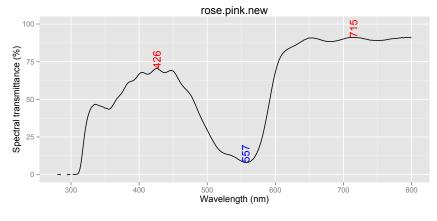


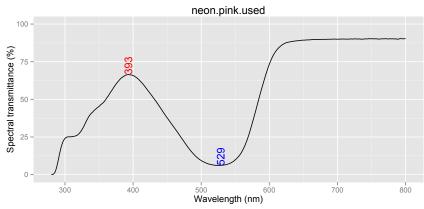


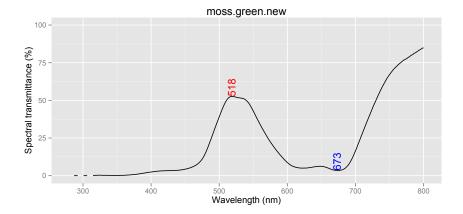


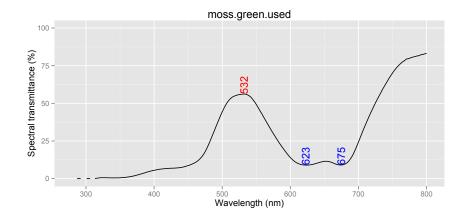






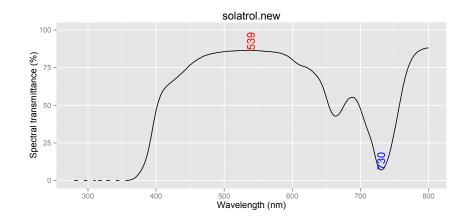


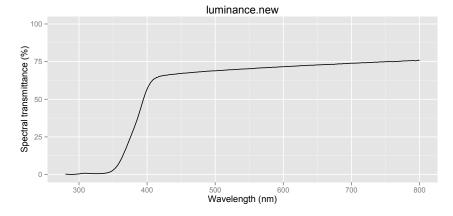




3.5 Commercial greenhouse films from BPI Agri Visqueen

```
for (filter in c("solatrol.new", "luminance.new")) {
  filter.plotter(filter)
}
```

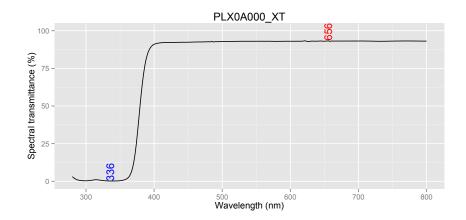


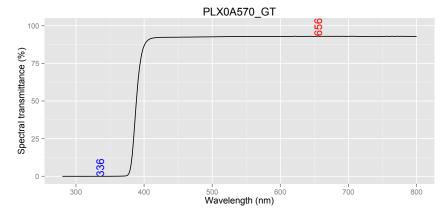


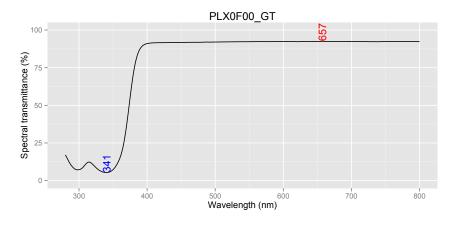
4 Plastic sheets

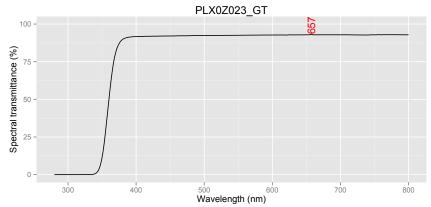
4.1 Plexiglas

```
for (filter in c("PLXOA000_XT", "PLXOA570_GT", "PLXOF00_GT", "PLXOZ023_GT")) {
   filter.plotter(filter)
}
```

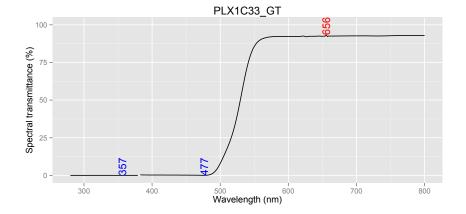


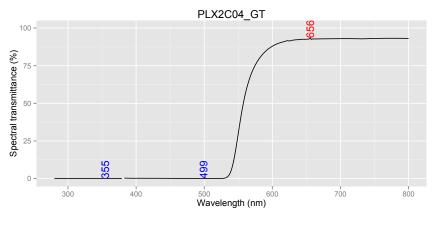


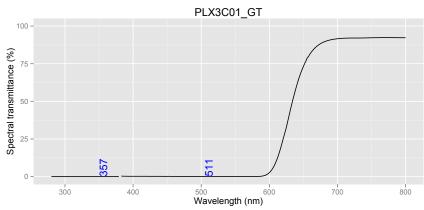


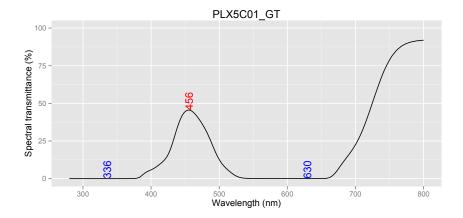


```
for (filter in c("PLX1C33_GT", "PLX2C04_GT", "PLX3C01_GT", "PLX5C01_GT")) {
   filter.plotter(filter)
}
```





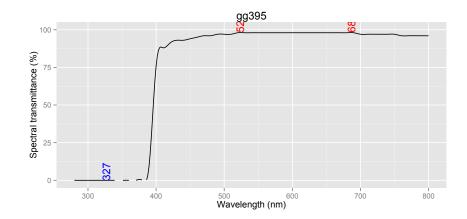


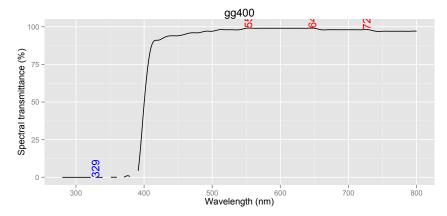


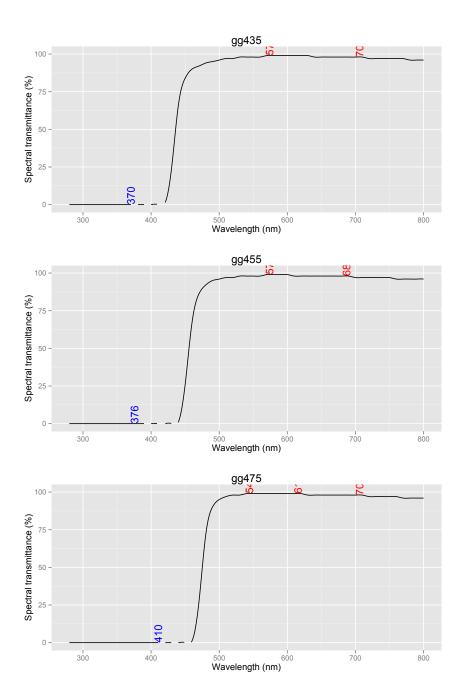
5 Optical glass filters

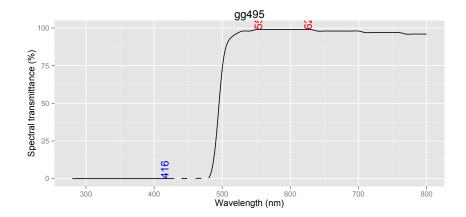
5.1 Schott long-pass filters

```
for (filter in c("gg395", "gg400", "gg435", "gg455", "gg475", "gg495")) {
   filter.plotter(filter)
}
```









5.2 Schott band-pass filters

```
for (filter in c("ug1", "ug11")) {
  filter.plotter(filter)
}
```

