```
Sys.info()
##
          sysname
                        release
                                      version
                                                      nodename
                                                                      machine
                        "10 x64" "build 10586"
##
        "Windows"
                                                       "MUSTI"
                                                                     "x86-64"
##
                        user effective_user
           login
         "aphalo"
                        "aphalo"
##
                                       "aphalo"
```

```
sessionInfo()
## R version 3.3.1 (2016-06-21)
## Platform: x86_64-w64-mingw32/x64 (64-bit)
## Running under: Windows 10 x64 (build 10586)
##
## locale:
## [1] LC_COLLATE=English_United Kingdom.1252
## [2] LC_CTYPE=English_United Kingdom.1252
## [3] LC_MONETARY=English_United Kingdom.1252
## [4] LC_NUMERIC=C
## [5] LC_TIME=English_United Kingdom.1252
## attached base packages:
## [1] tools
                stats
                         graphics grDevices utils datasets base
##
## other attached packages:
## [1] stringr_1.0.0 knitr_1.13
## loaded via a namespace (and not attached):
## [1] magrittr_1.5 formatR_1.4 stringi_1.1.1 highr_0.6
                                                              methods_3.3.1
## [6] evaluate_0.9
```

## library(tibble)

```
tibble(a = 1:20, b = 20:1)
## # A tibble: 20 x 2
##
      a b
##
     <int> <int>
## 1
       1 20
## 2
        2
            19
## 3
       3 18
## 4
        4
            17
        5
## 5
            16
      6 15
## 6
```

```
## 7
              14
## 8
         8
              13
## 9
         9
              12
## 10
        10
             11
## 11
        11 10
## 12
        12
              9
        13
## 13
              8
## 14
        14
             7
## 15
        15
             6
             5
## 16
        16
## 17
        17
              4
## 18
              3
        18
## 19
        19
              2
## 20
        20
```

## library(photobiology)

```
source_spct(w.length = 300:500, s.e.irrad = 1)
## Object: source_spct [201 x 2]
## Wavelength range 300 to 500 nm, step 1 nm
## Error in .setupMethodsTables(fdef, initialize = TRUE): trying to
get slot "group" from an object of a basic class ("NULL") with no slots
```

```
sessionInfo()
## R version 3.3.1 (2016-06-21)
## Platform: x86_64-w64-mingw32/x64 (64-bit)
## Running under: Windows 10 x64 (build 10586)
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## [1] LC_COLLATE=English_United Kingdom.1252
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## [3] LC_MONETARY=English_United Kingdom.1252
## [4] LC_NUMERIC=C
## [5] LC_TIME=English_United Kingdom.1252
## attached base packages:
## [1] tools
                       graphics grDevices utils datasets base
              stats
##
## other attached packages:
## [1] photobiology_0.9.8 tibble_1.1 stringr_1.0.0
```

```
## [4] knitr_1.13
##
## loaded via a namespace (and not attached):
## [1] R6_2.1.2 lazyeval_0.2.0 assertthat_0.1 magrittr_1.5
## [5] formatR_1.4 DBI_0.4-1 dplyr_0.5.0 Rcpp_0.12.6
## [9] lubridate_1.5.6 stringi_1.1.1 highr_0.6 methods_3.3.1
## [13] evaluate_0.9
```