Technical Data Sheet for the range of Collimator lenses used with the Lumileds 1-watt Luxeon Emitters

Features
- Over 85% efficiency
- Optical grade polycarbonate
- Thermally stable
- Varying output pattern
- Designed around the current range of Lambertian LED's
- Complete with holder

Range
- Part Numbers
  - Ø 6 deg. Collimator: 10020
  - Ø 15 deg. Collimator: 10017
  - Ø 25 deg. Collimator: 10018
  - Ø 25 X 6 deg. Line Collimator: 10019

**6 deg. Half Angle Collimator**
Part number 10020 complete with holder

![Relative Far Field Distribution 10020 6 Deg. Half Angle](image)

**15 deg. Half Angle Collimator**
Part number 10017 complete with holder

![Relative Far Field Distribution 10017 15 Deg. Half Angle](image)
**25 deg. Half Angle Collimator**
Part number 10018 complete with holder

**Relative Far Field Distribution**
10018 25 Deg. Half Angle

![Relative Intensity vs. Angle Degrees](image)

**25 X 6 deg. Half Angle Collimator**
Part number 10019 complete with holder

**Relative Far Field Distribution**
10019 6X15 Deg. Half Angle Line

![Relative Intensity vs. Angle Degrees](image)

**Future Developments**
- We are developing a holder that can be used directly with the Lumileds starboard
- Design work is now complete on a highly efficient Collimator with 2 deg divergence
- We can custom design a front surface to give you the output required for any application
- Custom design of optical components to intergrated with LED’s, be it single optics or an array
- Wide angle version available shortly
- Holders are Black PC as standard, but for orders of 5000 or more these can be moulded in any colour required, subject to additional material cost