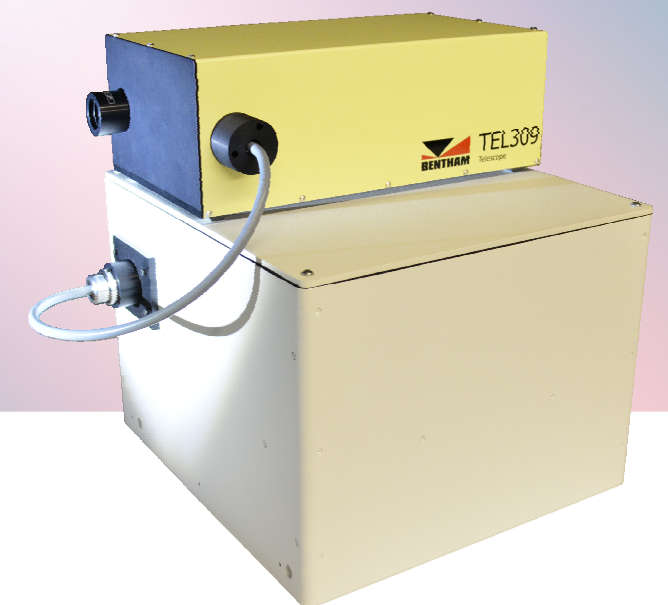


# Assessing blue light hazard?

Do it the easy way...




**ISR300-PSL**

The accurate evaluation of blue light hazard for CE compliance raises a number of distinct challenges that will result in costly delays in development.

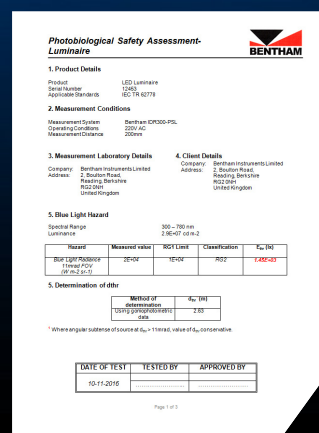
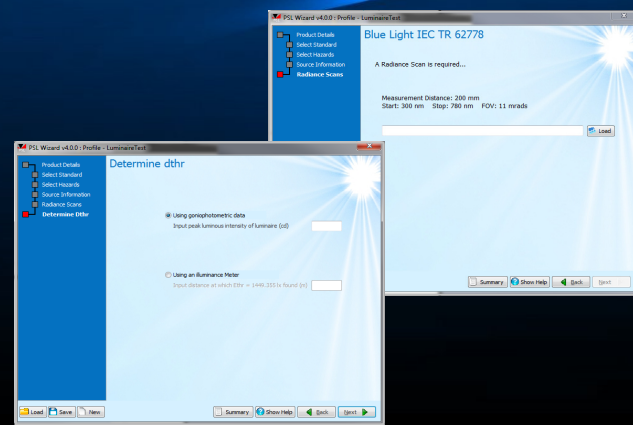
- \* LED manufacturer's data alone is not sufficient
- \* Significant test-house fees
- \* Calculation and estimation approach results in over-estimation

Join the growing number of lamp and luminaire manufacturers discovering Bentham's ISR300-PSL, providing a simple procedure for the assessment of blue light hazard.

<sup>1</sup> IEC/EN 60598-1: 2014, "Luminaires - Part 1: General requirements and tests"  
IEC TR 62778: 2014, "Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires"

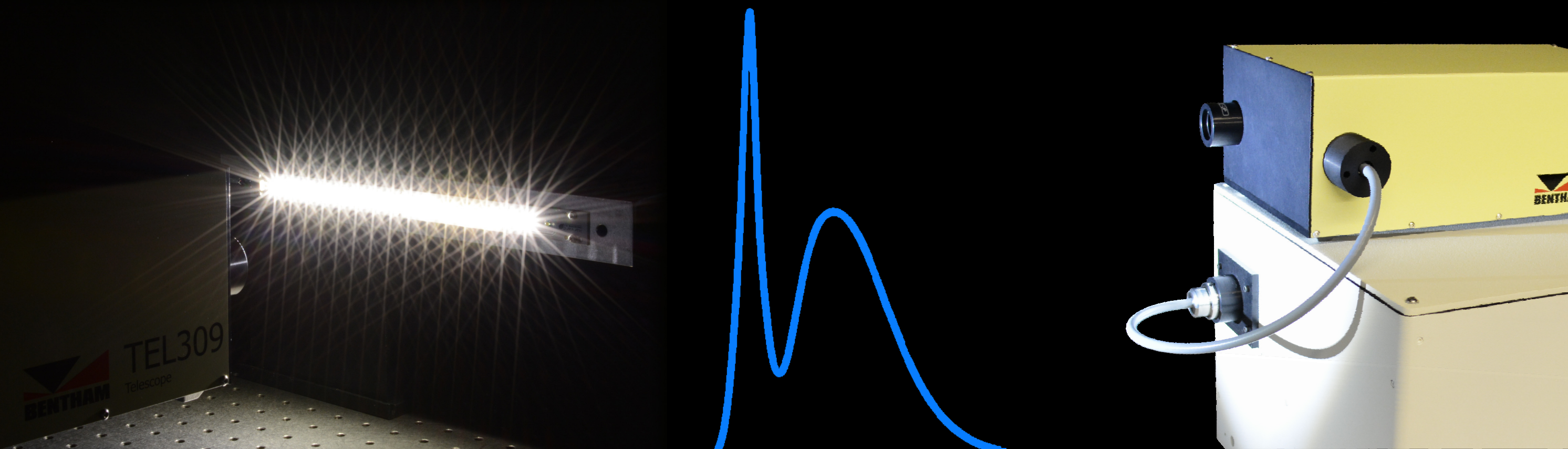


<b>MEASURE</b> spectral radiance in an 11mrad FOV at 200mm (300-780nm)
<b>IF</b> blue light radiance $< 10,000 \text{ W.m}^{-2}.\text{sr}^{-1}$ , "RG1 "
<b>ELSE</b> determine distance, $d_{thr}$ , at which RG1 expected to be found using goniophotometric data or a measurement of illuminance



*Call Bentham today to discover the accurate way to assess blue light hazard*

- ✓ Assess all classes of lighting product
- ✓ No dark room or knowledge of standards required
- ✓ A key tool in designing lighting products for compliance



Bentham manufactures accurate and reliable instrumentation utilised in the optical characterisation of sources, detectors, materials and in *in vivo* applications.

We aim to drive the lighting industry to a brighter future, delivering market leading instrumentation to streamline product research, development and certification across all lighting applications.



## Light is our passion

### Contact us today for more information



Bentham Instruments Ltd  
2 Boulton Road  
Reading  
Berkshire  
RG2 0NH  
United Kingdom



+44  
(0)118 975 1355



[sales@bentham.co.uk](mailto:sales@bentham.co.uk)



[www.bentham.co.uk](http://www.bentham.co.uk)