

Accepted Manuscript

On lamps, walls, and eyes: the spectral radiance field and the evaluation of light pollution indoors

Salvador Bará , Jaume Escofet

PII: S0022-4073(17)30562-9
DOI: [10.1016/j.jqsrt.2017.09.022](https://doi.org/10.1016/j.jqsrt.2017.09.022)
Reference: JQSRT 5850



To appear in: *Journal of Quantitative Spectroscopy & Radiative Transfer*

Received date: 13 July 2017
Revised date: 11 September 2017
Accepted date: 18 September 2017

Please cite this article as: Salvador Bará , Jaume Escofet , On lamps, walls, and eyes: the spectral radiance field and the evaluation of light pollution indoors, *Journal of Quantitative Spectroscopy & Radiative Transfer* (2017), doi: [10.1016/j.jqsrt.2017.09.022](https://doi.org/10.1016/j.jqsrt.2017.09.022)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- Human photoreceptor inputs depend on the spectral radiance field
- The radiance field indoors is modulated by the spectral wall reflectances
- Effective filter functions are instrumental to quantify this effect
- Simple analytical models may be used to describe the walls modulating role
- Tailoring the wall reflectances allows to control the subject's light exposure

ACCEPTED MANUSCRIPT

متن کامل مقاله

دریافت فوری ←

ISIArticles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات