



# Kate Sweater

LIGHTING DESIGN / RESEARCH

## PROFILE

Kate Sweater, MS, LC, MIES, Assoc. IALD has been working in the field of lighting for over a decade, with experience in architectural lighting design, fixture design & engineering and lighting research into lighting technologies and human factors.

Kate holds a Master of Science in Architectural Sciences (Lighting) from the Lighting Research Center at Rensselaer Polytechnic Institute, and a Bachelors of Fine Art (Furniture) from the Rhode Island School of Design.

## CONTACT

dwaal-design . com  
kate@dwaal-design . com

## SOCIAL



Kate Sweater Hickcox



dwaaldesign

## EXPERIENCE

### OWNER, PRINCIPAL @ DWAAL LIGHTING DESIGN

2014 - CURRENT

Dwaal Lighting Design (WBENC Women Owned Business) is known for research, alongside thoughtful creative design. We consider first and foremost the people who will be using, occupying or wandering through the spaces. Dwaal has a reputation for advocating for the end-user while considering the broader goals of the project. Our goal is to design lighting that will make a positive difference.

### PART TIME FACULTY @ PARSONS SCHOOL OF DESIGN

July 2016 - June 2017

Teaching part time in the School of Constructed Environments - Allied studios class (Lighting Design and Interior Design students)

### SR. RESEARCH SPECIALIST @ LIGHTING RESEARCH CENTER

August 2011 - December 2013

Lighting Research Center at RPI: Research in the field of lighting - from technologies to applications and energy use, from design to health and vision. Research and testing of solid-state lighting systems and technologies, as well as supporting the application of lighting technologies through education and design.

### LIGHTING FIXTURE DESIGN ENGINEER @ BALDINGER

July 2007 - November 2008

Design and engineering of high-end custom lighting fixtures (made on premises, in-house shop) for residential, hospitality, and many other applications.

### LIGHTING DESIGNER @ FOCUS LIGHTING NYC

July 2006 - June 2007

Lighting designer at Focus Lighting, working on private residences, restaurants and hospitality and museums.

## HONORS

### LIGHTING DESIGN FELLOW @ DESIGN TRUST FOR PUBLIC SPACE

August 2016 - Current

## EDUCATION

### MASTERS OF SCIENCE @ LIGHTING RESEARCH CENTER, RPI

July 2009 - June 2011

### BFA FURNITURE DESIGN @ RHODE ISLAND SCHOOL OF DESIGN

September 1998 - June 2002



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## SKILLS

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Engaging the community in the design process  
Producing renderings and images to communicate light  
Lighting Design for interior or exterior spaces  
Lighting Design for elderly or low-vision populations  
Lighting Design that is sensitive to the environment  
Circadian sensitive design  
Education  
Lighting for art and sculpture  
Custom fixture design and engineering

## RECENT PUBLICATIONS

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Bullough, J.D., N.P. Skinner, and K. Sweater Hickcox. 2013. Visual task performance and perceptions of lighting quality under flickering illumination. *Journal of Light and Visual Environment* 37(4): 189–193.  
doi: IEIJ130000510

Petteri Teikari, Hemi Malkki , Benjamin Lochocki and Kate Sweater Hickcox. Arduino-based LED stimulator system for vision research.  
doi: 10.1167/13.15.55 *Journal of Vision* January 1, 2013 vol. 13 no. 15 article P20

ASSIST recommends...Dimming: A Technology-neutral Definition  
Published April 2013

This volume of ASSIST recommends offers recommended parameters for lamp dimming based on users' expectations for how a light should dim and is suitable for all light source technologies.

Volume 12, Issue 1: Dimming: A Technology-neutral Definition

Sweater Hickcox, K., N. Narendran, J.D. Bullough, and J.P. Freyssinier. 2013. Effect of different coloured luminous surrounds on LED discomfort glare perception. *Lighting Research and Technology* 45(4): 464–475;  
doi:10.1177/1477153512474450.

## ORGANIZATIONS

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Member of the IES Brightness Committee  
Member of the IES Museum & Art Gallery Lighting Committee  
Associate Member of the IALD