IES LC STUDY GROUP 2015

INFORMATION AND INSTRUCTIONS FOR LC CANDIDATES CONSIDERING JOINING THE IES LC STUDY GROUP 2015

THE LIGHTING PROFESSION

The IES is endeavoring to provide support for those people who may be ready, both professionally and technically, to take the exam. To this end, the IES LC Study Group has engaged experienced lighting educators to lead and prepare materials for the study group. **The materials, instruction, practice exams, reference materials, and any notes available, are not provided or endorsed by NCQLP. The content and structure of the Study Group is entirely prepared and offered by the IES.** All materials provided are subject to copyright approval by the IES.

LC STUDY GROUP STRUCTURE

The IES LC Study Group (2015) is an online, web-based program which will start in late August 2015 and end on Thursday, November 5, 2015, just prior to the exam date set by the NCQLP (November 7, 2015). This program is intended to guide and assist those lighting practitioners who have made a commitment to take the exam offered by NCQLP.

The IES is in no way affiliated with, and does not coordinate, the NCQLP in any manner. Enrollment in the LC Study Group is not mandatory in order to take the NCQLP exam.

PROCESS

The LC candidate must provide proof of acceptance by the NCQLP and of payment to take the exam, from NCQLP.

The LC Study Group enrollment steps are:

1. NCQLP Candidate registers and pays for the exam through www.ncqlp.org.
2. E-mail Proof of payment for the NCQLP exam to pmcgillicuddy@ies.org along with your resume.
3. Upon acceptance into the study group, instructions will be forwarded regarding payment for the LC Study Group and applicable discounts on the Recommended (not required!) reading list.

NOTE: APPLICANTS FOR THE IES LC STUDY GROUP MUST REGISTER INDIVIDUALLY AND PERSONALLY. REGISTRATION and/or PAYMENT BY THIRD PARTIES WILL NOT BE PROCESSED, EITHER FOR THE STUDY GROUP OR THE RECOMMENDED READING LIST.

GENERAL RECOMMENDATIONS

It is strongly recommended that any applicants proceed with these steps as soon as possible. Procuring and reviewing the reading list is a time-sensitive task, and a critical part of the LC Study Group. Reviewing the reading material is best done prior to the onset of the LC Study Group (i.e., this Summer). The LC Study Group should be considered a ***review***, and not a class in which the applicant has little knowledge of a particular subject. It is not a class or course.

The online web meetings will utilize a standard internet web-type meeting, using either standard telephone, or VOIP computer audio. A technical test session will be held one week prior to the first LC Study Group session, so that any log-on issues can be discovered and resolved.

Each web meeting session will be recorded, and the recordings posted so that you can re-listen to the session, or if there is an unforeseen circumstance where you cannot attend. There will be two sessions a week (from late August through the first week of November 2015). The first session (Monday evenings from 7:30-9 pm ET) will be more content based, and led by Dr. Craig Bernecker; the second session will be a group forum, with practice tests, review of resources, focus on individual issues/questions – led by Dan Rogers, LC. (see Schedule below).

NOTE: REGISTRATION FOR THE IES LC STUDY GROUP AND THE READING LIST DISCOUNT WILL OPEN April 27th, 2015 AND CLOSE ON SEPTEMBER 8, 2015.

REQUIRED FEE

IES Members	***$845***
Non-IES Members	***$945***

NOTE – LOCAL IES SECTIONS MAY ALSO BE RUNNING AN LC STUDY GROUP. PLEASE CONTACT PAT MCGILLICUDDY, pmcgillicuddy@ies.org, FOR INFORMATION.

All log-on links, codes for discount publications, and computer/internet requirements will be forwarded after the applicant has been accepted into the study group. All questions should be forwarded to Pat McGillicuddy, IES Manager of Technology, pmcgillicuddy@ies.org.

OPTIONAL READING LIST – as compiled by Fred Oberkircher, FIES, IALD, IDA, LC

For the *2015* IES LC Study Group, only the IES Lighting Handbook, 10th Edition will be available as a downloadable PDF. All other reference materials will be print copies. An IES LC Study Group participant may purchase any document desired (no minimum) – nothing is required. To purchase the documents with the study group discount, the applicant must successfully go through the steps outlined above. Note – the discounts apply to print publications only, except where noted, and are available only through the IES bookstore (www.ies.org/store).

After the NCQLP candidate is approved for participation in the LC Study Group, a unique code will be issued to each individual to purchase the reading materials using the LC Study Group discount. For questions, please contact pmcgillicuddy@ies.org.

NCQLP Primary Reference List 2015 - @ www.ies.org/bookstore	**LC STUDY GROUP PRICE**
• Tenth Edition, IES Lighting Handbook. ~~***Electronic PDF download only.***~~ *Note –print or PDF version of Handbook discount available.*	*$280.00*
• ANSI/ASHRAE/IES Standard 90.1-2010, American Society of Heating Refrigerating and Air Conditioning Engineers (ASHRAE), Atlanta, GA, 2010.	*$84.80*
• NFPA 70 National Electrical Code, 2011 Edition. National Fire Protection Association (NFPA) Quincy, MA.	*$68.40*
• NFPA 101 Life Safety Code, 2009 Edition. National Fire Protection Association (NFPA) Quincy, MA.	*$68.40*
• RP16-10 Nomenclature and Definitions for Illuminating Engineering.	*$28.00*

NCQLP Secondary Reference List - @ www.ies.org/bookstore

• Lighting Retrofit Manual: A guide to Energy Efficient Lighting, Benya, James 2011 Edition, John Wiley & Sons, NY.	*$54.40*

• Lighting Control Handbook. DiLouie, Craig. The Fairmont Press Inc., Lilburn, GA 2007.	*$72.00*
• Architectural Lighting Design, Third Edition, Steffy, Gary R., John Wiley & Sons, NY.	*$71.20*
• Illumination Engineering: From Edison's Lamp to the LED, 2003, Murdoch, Joseph.	*$44.00*
• IES TM-23-11 Lighting Control Protocols	*$25.20*
• LEED Reference Guide for Green Building Design and Construction, 2009 Edition. Available at www.usgbc.org	

IES LC Study Group Additional Reference List - @ www.ies.org/bookstore

IES DG-18-08 Light + Design	*$53.20*
IES DG-29-11 The Commissioning Process Applied to Lighting and Control Systems	*$33.60*
Lighting Design Basics, Second Edition, Benya, James and Karlen, Mark, 2012	*$47.20*
IES SEM-2-13 Codes & Standards (PDF only)	*$28.00*
IES SEM-3-13 Lighting Economics (PDF only)	*$18.00*

SCHEDULE (as planned; subject to revision)

Practice web-meeting session Monday August 24, 2015

Content - Monday, August 31;	Study group - Thursday, September3
Content - **Wednesday, September 9**;	Study group - Thursday, September 10
(note: Labor Day is Monday September 7)	
Content - Monday, September 14;	Study group - Thursday, September 17
Content - Monday, September 21;	Study group - Thursday, September 24
Content - Monday, September 28;	Study group - Thursday, October 1
Content - Monday, October 5;	Study group - Thursday, October 8
Content - Monday, October 12;	Study group - Thursday, October 15
Content - Monday, October 19;	Study group - Thursday, October 22
(note: Columbus Day is Monday October 12 but it is not considered to be a problem)	
Content - Monday, October 26;	Study group - Thursday, October 29
Content - Monday, November 2	Study group - Thursday, November 5

GROUP LEADERS

Craig A. Bernecker, Ph.D, FIES, LC

Associate Professor of Lighting Design, School of Constructed Environments, Parsons the New School for Design, New York, NY.

Dr. Bernecker has been teaching at Parsons for the past seven years, directed and taught in the lighting program at Penn State University for twenty years, is prinicipal of The Lighting Education Institute. He has conducted research into the most effective educational techniques to deliver lighting education, and has served as Educational Facilitator for LightFair. Dr. Bernecker also has received an M.S. in Architectural Engineering/Penn State, and a B.A. in Psychology from Muhlenberg College/Allentown, PA.

Dr. Bernecker is currently a member of the IES Education Advisory Committee, a Past President of the Society, as well as a former Board member.

Daniel Rogers, LC, LEED AP

Dan is a Lighting Technical Specialist and Manager for ICF International, and has worked in the architectural lighting industry for over 20 years. Dan serves as Deputy Program Manager and NYC Account Manager for the New York State Energy Research and Development Authority (NYSERDA) Commercial Lighting Business Partners Program.

Dan is an Adjunct Professor in the Robert Busch School of Design at Kean University and an Instructor at the New York School of Interior Design (NYSID) teaching about Architectural Lighting Design, the Science of Light, and Principles of Daylighting.

Dan is currently a member of the IES Education Advisory Committee, the IES Education Review Council, the Sustainable Lighting Committee, the Daylighting Committee, and co-Chair of the IESNYC Education Committee.

Fred Oberkircher - FIES, Educational IALD, IDA, LC

Fred is an Emeritus Associate Professor at Texas Christian University in Fort Worth, TX. He has a Bachelor of Architecture and a Master of Science in Architecture from Penn State University.

Fred is a Fellow of the IES and has served as its President 2009-2010. He also serves on the Board of the Nuckolls Fund for Lighting Education and Architectural Lighting's editorial advisory board. He is an LC.