THE RMLA SHORT COURSE TECHNICAL TRACK

You should take this track if you work in . . .
- product development or manufacturing and want more depth in vision, color, optics and photometry
- technical sales and want to better understand the basis for many of the technical terms and metrics used in lighting
- electrical engineering or technically oriented lighting design consulting firms and want to better balance the technical aspects of lighting with the design aspects

You should take this track because you want to . . .
- gain a deeper understanding of the fundamentals of visual performance, visual perception, photometry, color, and optics, including an overview of non-visual effects of light
- acquire hands-on experience with photometric measurements
- explore the foundations and applications of important lighting metrics, including the new IES TM-30 color metrics and new metrics related to melanopic (non-visual) effects
- sharpen your software skills through hands-on experience with popular software packages
- learn the latest about emerging lighting technologies, such as LED luminaires and lighting controls
- gain an appreciation for lighting design and the aesthetics of light

This may not be the right course for you if . . .
- you are a designer who is primarily interested in the art of lighting
- you love hands-on creative mock-ups but don't enjoy calculations and analyses
- you are a highly experienced optical engineer working in lighting with a good grasp of important lighting metrics (but then again, a refresher never hurts!)
- you have less than one year of experience working in lighting (the content assumes some basic familiarity with lighting lingo and practices)

Track details (see next page for full schedule)
Course begins at 8:30 AM on Thursday (continental breakfast available at 8:00 AM)
Course ends at 1:00 PM on Sunday (Travel from DIA should not be scheduled before 3:00 pm)
Coffee and pastries, break snacks and lunch included each day
An evening reception is included

Additional information: http://www.colorado.edu/rmla/

THE RMLA SHORT COURSE TECHNICAL TRACK – OVERVIEW OF SCHEDULE

Thursday – Lighting & People

8:00 AM	Continental breakfast*
8:30 AM	Delivering light to people: An overview of the lighting industry*
	Lighting quantities & concepts: Hands-on experiences*
	Vision, spectrum, and human responses*
	Light and color discussion & exercises*
	Light and health discussion & exercises*
Evening	Welcome gathering*

Friday – Lighting & Technology

8:30 AM	Technology trends in lighting (SSL, IoT, MatSci)*
	Lighting & Technology Case Study*
	Photometry and optics
	Hands-on lighting measurement exercises
5:30 PM	Adjourn

Saturday – Lighting & Design

8:30 AM	Lighting design process and case studies*
	Light, architecture and perception exercise*
	Analysis of photometric data
	Luminaire design and simulation software
5:30 PM	Adjourn

Sunday

8:30 AM	Hands-on work on luminaire optics project
	Course wrap-up and discussion; lunch*
1:00 PM	Adjourn

These course sessions are held jointly with the RMLA Design Track.

LIGHTING EDUCATION FOR PROFESSIONALS

THE RMLA SHORT COURSE DESIGN TRACK

You should take this course if you work in . . .
- lighting design and want more depth in developing strong design concepts
- lighting sales and want to grasp how designers incorporate new technology into their designs
- engineering or product development and want to understand the design aspects of lighting
- interior design, architecture, or theater and want to develop new expertise

You should take this course because you want to . . .
- gain a deeper understanding of the design process
- be able to describe the aesthetic qualities of light
- translate desired aesthetic qualities into design concepts
- sharpen skills in developing and communicating cohesive lighting concepts
- practice presenting and defending your concepts to a group
- acquire hands-on experience with different lighting products and materials
- experiment with different ways to solve practical lighting challenges
- learn the latest about LED luminaires, controls, and other emerging lighting technologies
- gain new ideas for applying daylighting into architectural interiors
- practice applying technical information such as TM-30 color metrics, product cut sheets, and light and health considerations to your designs

This may not be the right course for you if . . .
- you are a highly technical person who is primarily interested in the science of lighting
- you love to run lots of calculations but don't enjoy hands-on concept experiments
- you are a highly experienced lighting designer with a formal lighting background and strong conceptual skills (but then again, a refresher never hurts!)
- you have less than one year of experience working in lighting (the content assumes some basic familiarity with lighting lingo and practices)

Track details (see next page for full schedule)
Course begins at 8:30 AM on Thursday (continental breakfast available at 8:00 AM)
Course ends at 1:00 PM on Sunday (Travel from DIA should not be scheduled before 3:00 pm)
Coffee and pastries, break snacks and lunch included each day
An evening reception is included

Additional information: http://www.colorado.edu/rmla/

CU Boulder | LIGHTING EDUCATION FOR PROFESSIONALS

THE RMLA SHORT COURSE DESIGN TRACK – OVERVIEW OF SCHEDULE

Thursday – Lighting & People

8:00 AM	Continental breakfast*
8:30 AM	Delivering light to people: An overview of the lighting industry*
	Lighting quantities & concepts: Hands-on experiences*
	Vision, spectrum, and human responses*
	Light and color discussion & exercises*
	Light and health discussion & exercises*
Evening	Welcome gathering*

Friday – Lighting & Technology

8:30 AM	Technology trends in lighting (SSL, IoT, MatSci)*
	Lighting & Technology Case Study*
	Design project: Concepts
	Design project: Field work
5:30 PM	Adjourn

Saturday – Lighting & Design

8:30 AM	Lighting design process and case studies*
	Light, architecture and perception exercise*
	Design project: Schematic Design
5:30 PM	Adjourn

Sunday

8:30 AM	Design project: Design documentation & communication
	Design project presentations
	Course wrap-up and discussion; lunch*
1:00 PM	Adjourn

* These course sessions are held jointly with the RMLA Technical Track.