

Wabema is a Swedish company owned by Leif Wall. For several years Wabema has been the distributor in Scandinavia for Relux Informatik AG.

Ljusskolan is a brand name for the light training arranged by Wabema. Leif Wall is an engineer and has been working with light and lighting design since 1965. For 30 years he has been a popular teacher in lighting technology in different schools and shorter courses.

In the Relux training program he combines knowledge about lighting design with practical use of ReluxSuite. Leif has been a participant in the group which has developed the international Relux training program.

### Course calendar

For other trainings see [www.ljusskolan.se](http://www.ljusskolan.se)

Course number	Course	Date	City	Price (SEK) + tax
1702	Relux Interior – Access	March 21	Knivsta	3.500
1703	Relux Interior – Advanced	March 22	Knivsta	3.500
1704	Relux Road and Exterior – Basic	April 11	Knivsta	3.500
1705	Relux Road and Exterior – Continued	April 12	Knivsta	3.500
1708	Daylight calculation with Relux	May 16	Knivsta	3.500

The prices include documentation, coffee and lunch. Participants taking part for 2 days have a discount of 500 SEK per day.

Name:

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Company:

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Adress:

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Zip & City:

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Country:

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Phone:

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Email:

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Courses:

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You can use the registration paper as an electronic form. Please send the paper by e-mail to [ljusskolan@wabema.se](mailto:ljusskolan@wabema.se) or send the corresponding content by a regular e-mail

### Courses and training program

#### RELUXPRO ACCESS

- ☐ Estimation of required number of luminaires in interiors (class room)
- ☐ Planning of work lighting (SS-EN 12464-1:2011) in a smaller office
- ☐ Program settings
- ☐ Working with luminaires, lamps and sensors
- ☐ ReluxNet
- ☐ Working with 3D objects
- ☐ Working with irregular room shapes
- ☐ Import DWG files
- ☐ Modify luminaire

#### ReluxPro Interior - Advanced (mix of Interior I and II)

- ☐ Working with rooms and room objects
- ☐ Advances DWG import
- ☐ Planning of entire floors
- ☐ Background picture import
- ☐ Glare calculation
- ☐ Relux Movie animation
- ☐ Using sensors
- ☐ Using coloured light and white balance
- ☐ Visualisation with ReluxRaytracer
- ☐ Using Boolean operators

#### Daylight calculations with Relux

- ☐ Calculation of daylight in a class room with radioisty
- ☐ Calculation of daylight factor
- ☐ Solar altitude graphs
- ☐ Calculation of LENI (Lighting Energy Numeric Indicator)
- ☐ Energy saving with daylight depending installations
- ☐ Daylight calculations with Raytracing
- ☐ Shadow studies indoor and outdoor

### RELUXPRO ROADS & EXTERIOR - Basic

- ☐ Complex combinations
- ☐ Using Boolean operators
- ☐ Visualisation with coloured light
- ☐ Making films with ReluxMovie
- ☐ Converting road projects into exterior projects
- ☐ Visualisation with ReluxRaytracer
- ☐ Food lighting
- ☐ Sport lighting (foot ball)
- ☐ Facade lighting with 2D objects
- ☐ Facade lighting with 3D objects
- ☐ Optional: ReluxTunnel demonstration

### RELUXPRO Road and Exterior - Continued

- ☐ Complex combinations
- ☐ Using Boolean operators
- ☐ Visualisation with coloured light
- ☐ Making films with ReluxMovie
- ☐ Converting road projects into exterior projects
- ☐ Visualisation with ReluxRaytracer
- ☐ Flood lighting
- ☐ Sport lighting (foot ball)
- ☐ Facade lighting with 2D objects
- ☐ Facade lighting with 3D objects
- ☐ Optional: ReluxTunnel demonstration

Language in the trainings and in documentation: Swedish More information on [www.ljusskolan.se](http://www.ljusskolan.se)