ElumTools™

Online Learning

Basic ElumTools for Exteriors; 2 hours

Prerequisites:
Experience using Revit on projects.
Basic understanding of lighting design.

Description:
This session will provide an overview of the ElumTools add-in for Revit for use in exterior environments. This session does not cover lighting analysis for emergency or daylighting. Some material from the Basic ElumTools for Interiors course is repeated.

Course outline:

- Basic luminaire family and light source validation
    - Brief light fixture family overview
    - Hosting types
    - Light source settings
    - Validation in Revit vs. ElumTools Luminaire Manager
    - Poles
- Basic Material Properties: Surface Type, Color, Reflectance, Transmittance
    - From Revit materials
    - Overrides by material
    - Overrides by category
- Site plan views
    - Create different views for different calculations
- Calculation Point boundaries: Regions
    - Apply calculation points
    - Edit calculation points
    - Calc points family
        - Overview
        - Do not delete
- Calculation Points on Lines
    - Apply calculation points
    - Light meter orientation
    - Line based points can be added to the following things.
        - Model lines
        - Detail lines
        - Property Lines
        - The boundary line of any Room, Space, Area or Filled Regions
- Create calculation volumes
    - Regions
- Topography
- Property lines
- Viewing results in the Calculation Viewer
    - Settings
    - Navigation
- View/Hide results
    - Calculation points in views
        - Controlling metric and decimal value precision
    - Recalling a calculation in the Calculation Viewer
- Schedule results