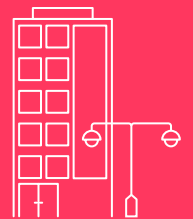
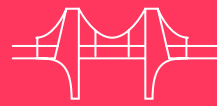
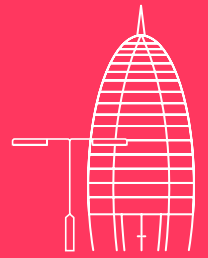
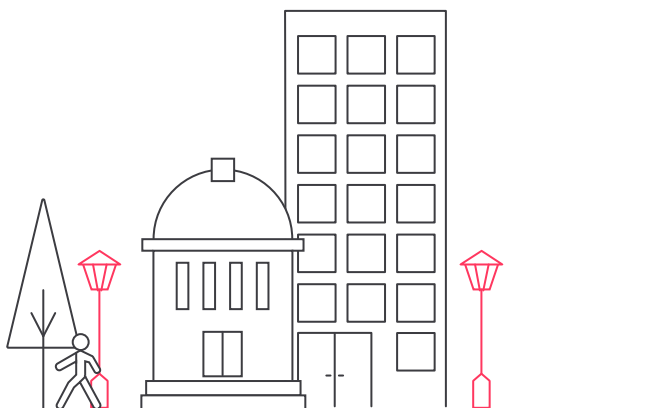


Software specification sheet

Interact City app

Overview

Interact City's lighting management system supports managing lighting assets, controlling connected lighting systems, and optimizing the energy usage of public lighting. Interact City offers an extensive, yet consistent user experience in managing a multitude of technologies in connectivity (cellular, RF, ethernet connected) and applications (single light point, cabinet-based group lighting) as devices beyond lighting (sensors).



Key benefits



Product Design Award



Cloud hosted with continuous improvements through regular software updates.



Secure user access, two-factor authentication supported.



User-configurable views of the project – multiple view modes for map & dashboard.



Fault reporting to help keep the lighting installation healthy.



Online help with detailed guidance.



Remote light management to maximize energy savings while maintaining safety.



Asset management using strong query engine, data visualization capabilities, and reports for maximum operational efficiency.

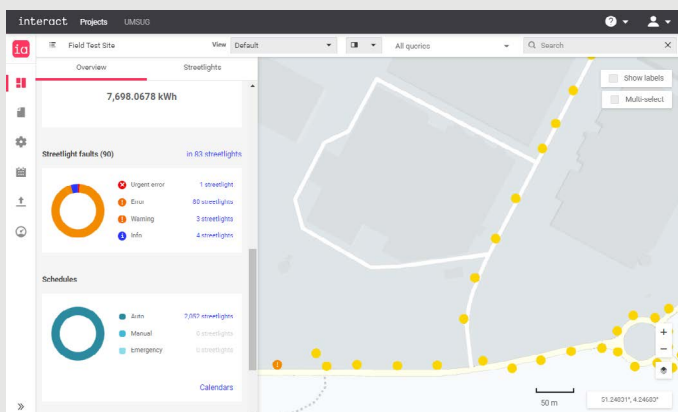


Project configuration – allowing full control of user management, data visibility, and more.



REST Application Programming Interface (API) for easy integration with other systems. TALQ & FiWare bridge standardized interfaces.

Dashboard Functionality



The dashboard page gives users a clear site-level status overview through an information panel and offers tools to navigate easily through the project.

Regions, streets, and groups

Easily select multiple assets based on address or custom grouping.

View and Layout lists

Select the app window segmentation, default, calendar, event, or fault views on assets in the map.

Queries and Search

Run and manage queries and quickly search for resources based on unique data fields or address information.

Overview tab with status information tiles

Quick overview of the project's status, including lighting status, faults, and power consumption.

Streetlights/ Cabinets

Quick access to all streetlight management or cabinet management functions

Map Features

The Interact City map offers a graphical overview of the managed lighting system with:

Asset symbols	<ul style="list-style-type: none"> Asset type (streetlight, cabinet, sensor) Status (uncommissioned, commissioned, info, warning, and fault)
Intuitive controls	<ul style="list-style-type: none"> Zoom level Map/satellite layers Labels Asset selection
Quick access to actions context menus	<ul style="list-style-type: none"> Create, mark, and move asset Replacement workflow Viewing properties or switching logs
Data visualization	<ul style="list-style-type: none"> Visualize asset property distribution across a project, for example, calendar type, luminaire type, firmware revision

Application reports

Generate/download the following reports data comparison, sharing data with stakeholders that do not have access to the application or export to external storage or 3rd party software for further drilling down or dashboarding.

Energy reports	<ul style="list-style-type: none"> Graphical bar charts of one or more assets over time Compare up to two assets. Export to CSV. Display energy cost & CO₂ emission.
Project detail reports	<ul style="list-style-type: none"> CSV file exports with detailed logs on <ul style="list-style-type: none"> calendar change. faults (de)commissioning Custom reports through queries
Burn hours report	<ul style="list-style-type: none"> Excel file of burning hours of assets in a project in a selected month
Sensor reports	<ul style="list-style-type: none"> CSV files reporting events that are detected by all sensor-equipped assets within a configurable time range in a project.

Asset management

Optimize operations by keeping track of lighting installation assets and their components in detail:

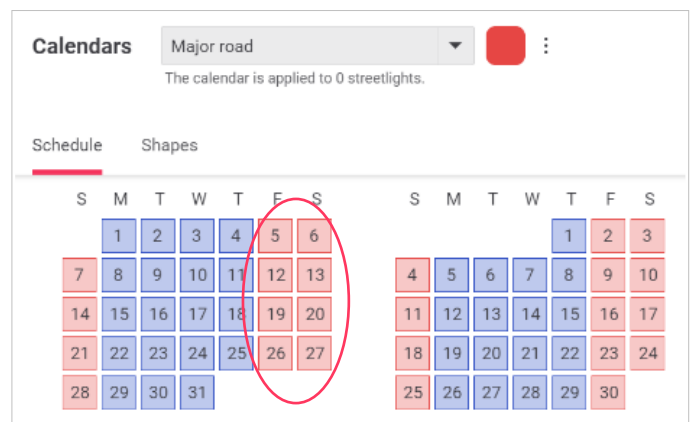
Edit and view properties	<ul style="list-style-type: none"> Streetlight/cabinet: identification, geo-location, installation and commissioning dates, status, assignment to the street, and free text. OLC, segment/cabinet controller: identification, geo-location, hardware model, firmware version, control system, installation date, status, manufacturer, Constant Light Output, switch type, and metering points. Luminaire: identification, installation, lamp replacement- and cleaning dates, burning hours, luminaire type information (example: model, driver, optics, and flux), Virtual Light Output.
Upload asset data	<ul style="list-style-type: none"> Mass upload of asset data by XLS Add attachments to assets (pictures or documents).
Switch log	<ul style="list-style-type: none"> Daily log to verify actual light dim level and switch reason

Intuitive Lighting management

Control the luminaires for operational activities, drive energy savings through dimming and schedules, increase safety with the right light level, and optimize operations through remote health monitoring and fault reporting.

Control	<ul style="list-style-type: none"> • Manual on, off, set the light level • Real-time properties* • Sensor override* • Control Link API
Calendar/schedule	<ul style="list-style-type: none"> • Dim schedule per day with 10* switch points • Graphical UI to create schedules and dim behavior • Apply dim schedule per day of the week, month, year • (Recurring) exceptions using rules • Schedule prioritization rules • Apply the schedule to a group of luminaires • Includes constant light output
Switch types	<ul style="list-style-type: none"> • (Synchronized) photocell with elevation angle • Astronomical clock with offset • Switch the power grid
Events/faults	<ul style="list-style-type: none"> • Immediate notification for critical events* • Actionable information for accurate troubleshooting such as light out, day burner, no report of data, • Embedded service guide to help resolve faults
Real-time properties	<ul style="list-style-type: none"> • Broad range of properties including dim value, voltage, current, and so
Granular energy data	<ul style="list-style-type: none"> • Daily energy values per asset and groups (see also reports)

* Varies according to the control system.



Hardware options and support

Interact City can manage different connected lighting products using one consistent user interface. It is even possible to manage different technologies within a single project.

Each item listed contains a hyper link to publicly available online product documentation. Readers of a hardcopy can inquire same information through Signify representatives.

 **Note**

Refer to individual product Specification Sheets.

There are several layers of support:

- Light & asset management allows users to remotely both control and manage assets.
- Asset management allows users to only manage assets.
- Co-existence ensures that switch logs reflect light level changes triggered by local sensors.

	Individual Light & Asset management	Group Light & Asset management	Asset management	Co-existence*
Control system	<ul style="list-style-type: none"> • Cellular nodes • RF Mesh nodes • Solar 	<ul style="list-style-type: none"> • Group cabinet control 		
Sensors	<ul style="list-style-type: none"> • Outdoor Multi Sensor 		<ul style="list-style-type: none"> • UpCiti sensor • 3rd party sensors (contact Signify representative for available options) 	<ul style="list-style-type: none"> • D4i-compliant sensors

Integration

Easily integrate Interact City in 3rd party applications (such as management systems, dashboards, ERP, and work order management systems) using RESTful APIs as defined in <https://www.developer.interact-lighting.com/api-docs?tabIndex=2>

 **Note**

An account is required to access full API documentation.

Interact City APIs	<ul style="list-style-type: none"> • Light Control • Fault Monitor • Energy • Calendars • Asset Management • Asset Real-time Properties • Asset Switch Logs
Standards	<ul style="list-style-type: none"> • TALQ • FIWARE

System requirements

Interact City application is cloud hosted and is accessible on a PC or laptop using one of the following browsers supporting 128-bit encryption and with JavaScript enabled:

Browser	Version
Google Chrome	57 and above
Mozilla Firefox	50 and above
Microsoft Edge	79 and above
Internet	
Minimum internet bandwidth	10 Mbps

Policies and notices

Security and privacy

<https://www.signify.com/global/product-security/security-and-privacy-statement>

Terms of Software Service, Terms of Use, and Data Processing Schedule

<https://www.interact-lighting.com/global/support/legal/digital-terms>

Use of open source software

The following link requires an account for Interact City.

<https://www.city.interact-lighting.com/web/home/infos/info/open-license>

Software life cycle management

Policies & Announcements | Signify Company Website

Privacy notice

<https://www.signify.com/global/legal/privacy/legal-information/privacy-notice>

For more detailed information the see Interact City Application system guide and the systems guides for the control systems such as CT nodes, RF mesh nodes, and Cabinet controls.

Find out how Interact can transform your business

www.interact-lighting.com