



iPartner Product Expert™ V2.5

Features & Functionalities

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Preface

This document introduces the iPartner Product Expert™ features and functionalities. Since Product Expert™ is one of the components of the iPartner Suite, some reference is made to features that are related to the other components of iPartner Suite.

New Features

New in iPartner Product Expert™ 2.5 – Product Expert

This version of iPartner Product Expert™ includes new features that constitute an improvement of the user interface and the search process:

- **Sorting Results** is now possible from the product search results page. Sorting properties, as defined in iPartner Studio™, are displayed in a drop-down list. The selection of one of the properties redirects the search to the page where the first product that matches the selected property appears.
- **Dynamic Search Results** is also a new feature available during the product search. Every search generates in a tree menu the results for the search according to the catalog structure.
- **Previous & Next** was implemented in the Product Data Sheet, to allow the navigation between the different products previously proposed in the search results list.

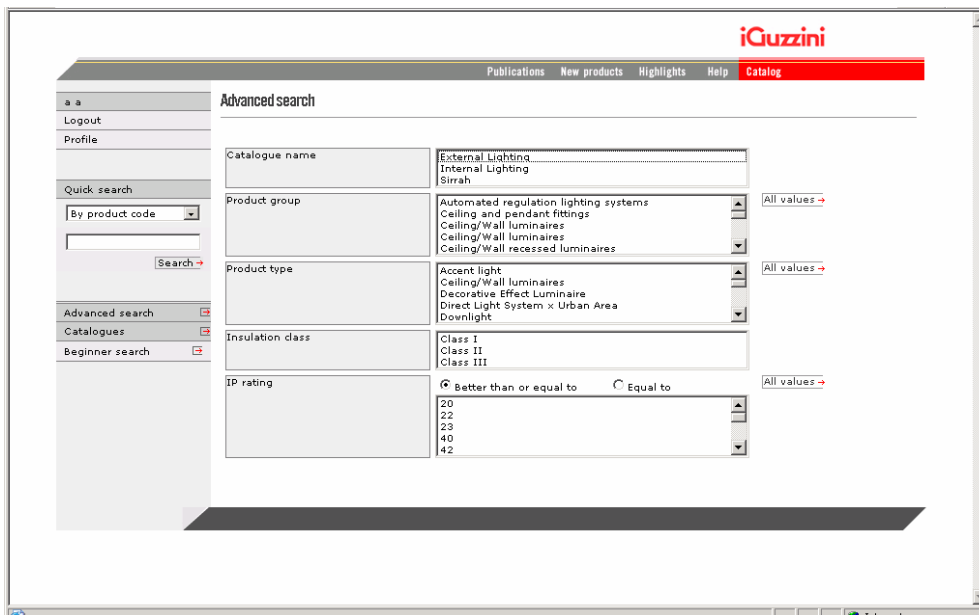
Chapter 1: Searching the Catalogs

Expert Search & Guided Searches

Product Expert™ is designed to allow lighting manufacturers to create guided search and browsing patterns, both technical and visual, which allow customers to quickly select and evaluate the most appropriate products for their needs. An extremely powerful *lighting intelligent* search engine, based on Coperon's exclusive dynamic parametric search technology, allows users to quickly find a product in databases of thousands or tens of thousands of products.

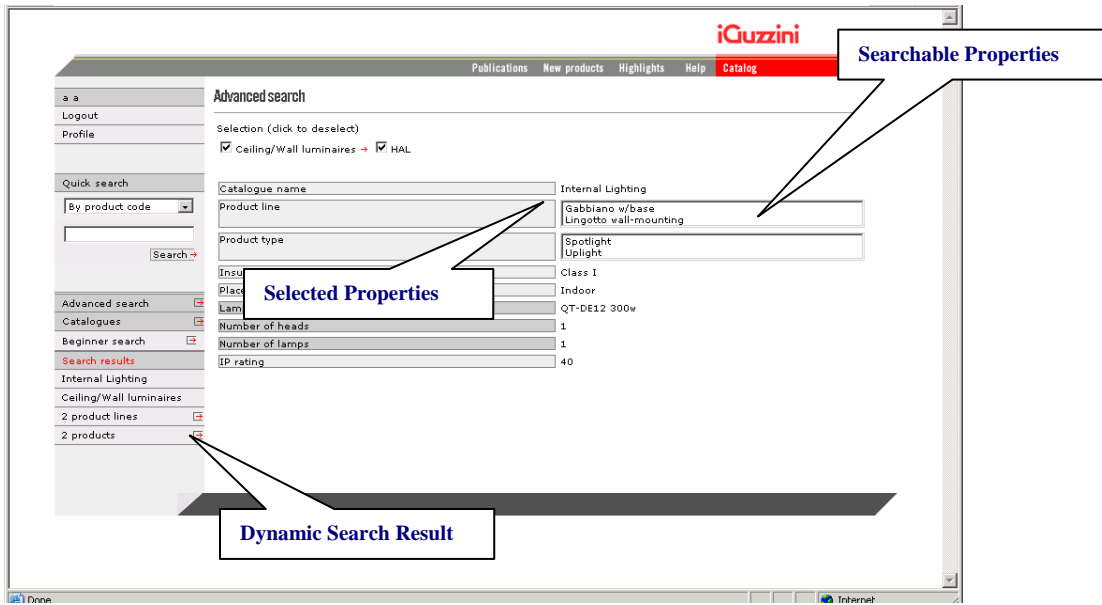
Expert Search

The advanced or “expert” search pattern allows a catalog user to narrow his or her selection by selecting properties in order of personal importance. For example a technical user might begin a search by IP protection degree and then lamp category and mounting location while another user with different project constraints might search the same 3 properties in the opposite order!



The Expert Search is based on properties that are defined as searchable in the configuration of iPartner Studio™. The available searchable properties are displayed with all the possible values.

The selection of a value re-loads the page with compatible results, the remaining compatible search parameters and search values. This process of selecting a value helps focusing on the closest matching results.

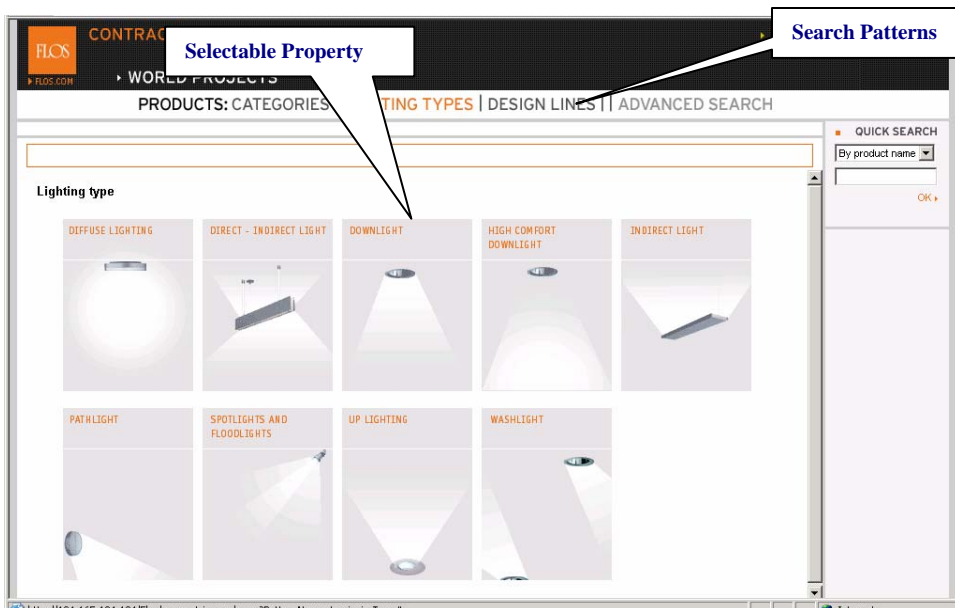


To view matching results any time, a click on the **Dynamic Search Results** displays the product lines or the products associated to the current search. Results are then sorted by any property according to administrator defined properties and viewed by product line, product category, design line, product variants or any other grouping according to the specific data structure of each company.

With Product Expert™, a catalog user will always find a product and never receive “no matches found.”

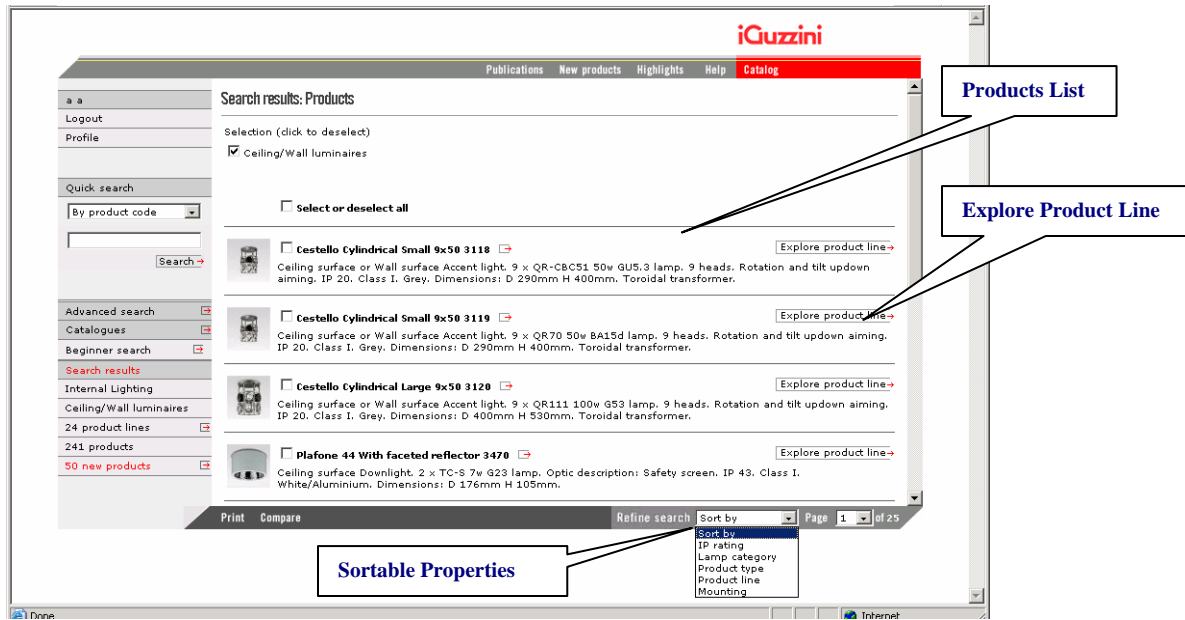
Guided Search

Other search and browsing patterns can be implemented by using any property as the first “entrance” screen, whether text or image-based. The following pages can also be text or image-based and follow the logic of how companies would like their customers to browse the catalog.



Viewing Products Lists

Products lists are organized according to the catalog structure: by product groups, product lines, product types or else. While executing the Expert Search or the Guided Search, the result is building dynamically and the list of associated products can be viewed at any time.



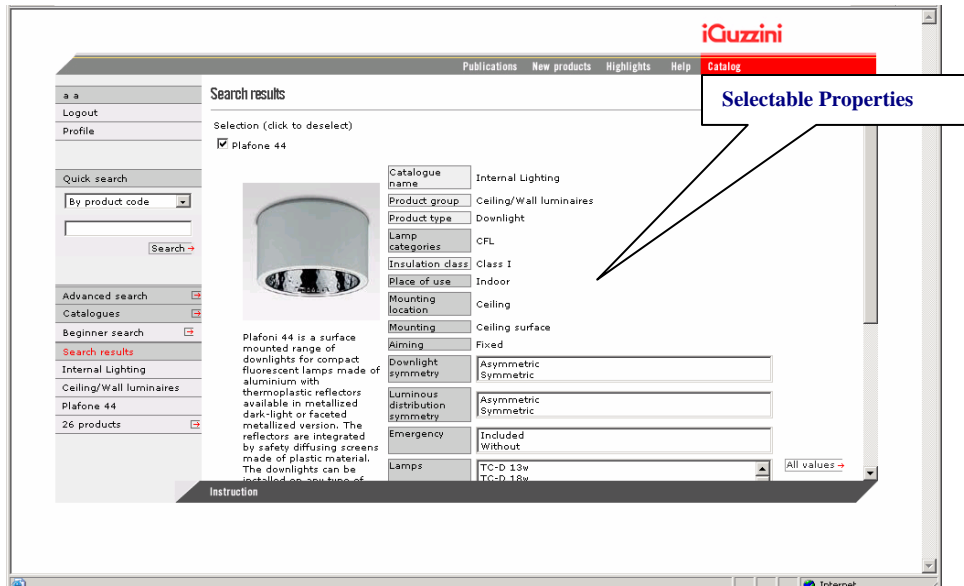
The result can be sorted: Sorting properties are defined by the administrator and are configured in iPartner Studio™.

On the product search results page, the sorting properties are displayed in a drop-down list. Upon the selection of one of the sorting properties, another drop-down list displays the results for the sorting property selected. The products are displayed according to the selected sorting property.

Exploring Products List

From the products list result page, the product line search page is accessible by clicking on the link **Explore product line**.

To help narrowing the search, the page proposes all applicable properties for the line.

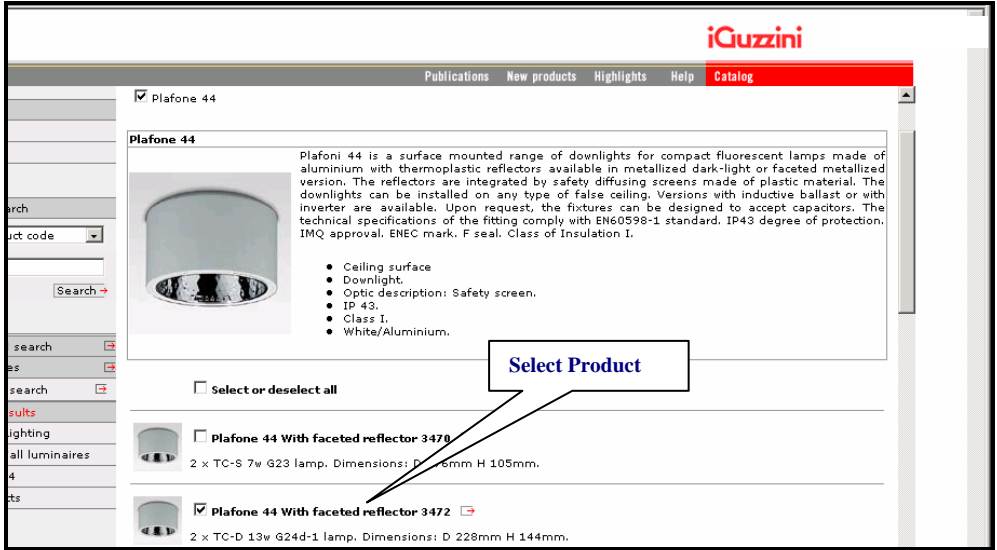


Chapter 2: Comparing Products

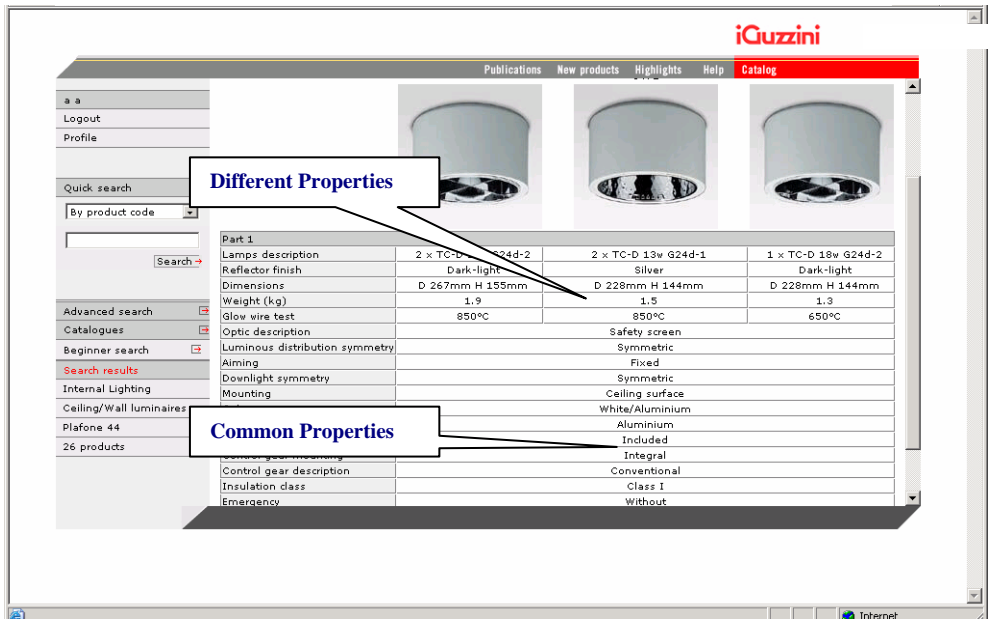
Product Expert™ Comparator

Often, users may find several products which seem to meet their needs but are not readily differentiated by the catalog. With the Product Expert™ comparator, users can compare product alternatives head-to-head before selecting the product which best suits his/her needs

Comparing Products



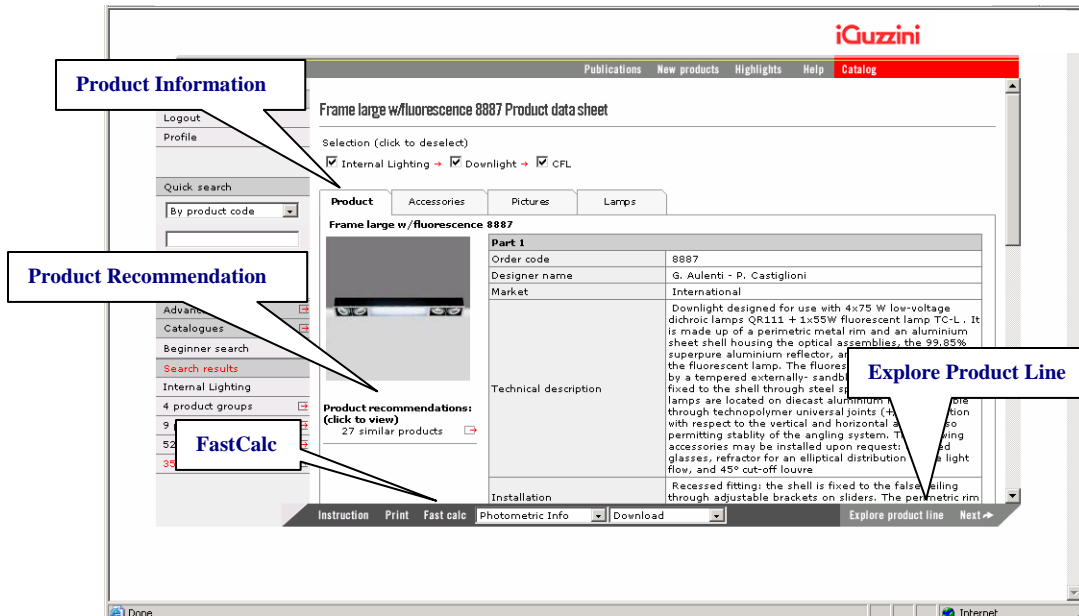
Compared products are displayed in a table format. Comparable features are grouped at the top and in the bottom part, properties common to all products.



Chapter 3: Visualizing Product Info

The Product Data Sheet

The Product Data Sheet or PDS displays all the available information for a single product reference. Depending on available data, the manufacturer's PDF could be downloaded, product recommendations are proposed...



Products Recommendation

Users may reach the Product Data sheet and find a small problem: product image different than expected, product too expensive, or/and product unavailable. The Product Expert™ recommendation engine automatically provides catalog users with alternative products which meet the personalized selection criteria of each search.

Recommendations rules are defined in iPartner Studio™ as rules to apply on specific properties. It is completely customizable and adaptable to any type of product

FastCalc & Photometric Generator

Integrated to each Product Data Sheet, the FastCalc and photometric generator tools calculate lighting levels quickly according to the utilization factor method and dynamically generate photometric diagrams.

FastCalc

Frame large w/fluorescence 8887

Ceiling recessed Downlight. 1 x TC-L 55w 2G11 And 4 x QR111 75w G53 lamp. 5 heads. Rectangular shape. Length 1244 mm. Width 169 mm. Depth 134 mm. Tilt up/down aiming. Optic description: Sandblasted soda-lime glass. IP 23. Class III. White or Grey. Dimensions: 1256x180mm H 134mm. Electronic transformer.

Accessories: Filter colors: Version:

Room parameters (meters)

Room length	<input type="text" value="8.0"/>
Room width	<input type="text" value="5.0"/>
Room height	<input type="text" value="3.0"/>
Workplane height	<input type="text" value="0.85"/>
Height of luminaire plane	<input type="text" value="3.0"/>
Lumens per luminaire	<input type="text" value="4800"/>

Required illuminance (lux)

Calculation

Number of luminaires	<input type="text"/>
Average illuminance (lux)	<input type="text"/>

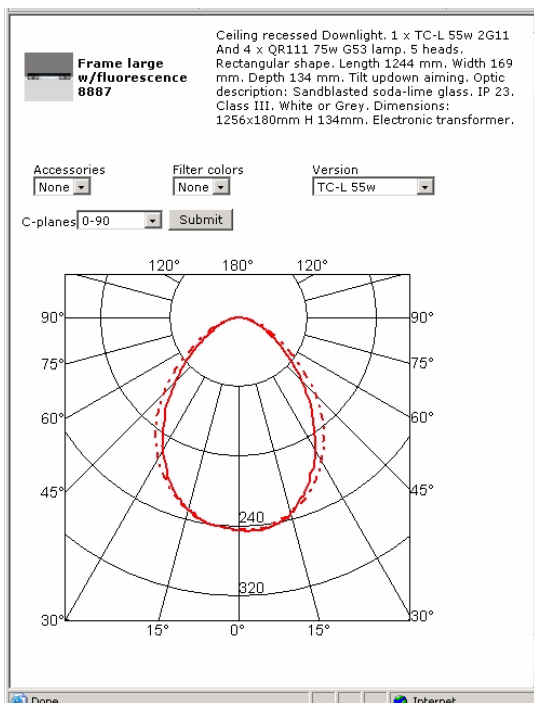
Reflectance factors (<=1)

Ceiling	<input type="text" value="0.7"/>
North wall	<input type="text" value="0.5"/>
West wall	<input type="text" value="0.5"/>
South wall	<input type="text" value="0.5"/>
East wall	<input type="text" value="0.5"/>
Floor	<input type="text" value="0.2"/>

Maintenance factor

Buttons:

Dynamically generated photometrics such as polar curves, photometric diagrams, isolux pattern, floodlight coverage, isolux diagrams, photometric cones and more make up photometric reports that users can produce while browsing the catalog. These are automatically generated while printing specification sheets for each product.



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