PLE AND ES SERIES

Standard dimensions. Custom solutions.

UV lamp housings for new machines, replacements and existing-line integration.

Select the housing together with the source, reflector, cooling and controls. Correct dimensions are the starting point: integration is defined around the machine.



Lamp housing from the Electro Tecnology technical archive.

Custom design and manufacturing

The dimensions in the tables are standard. Electro Tecnology also designs and manufactures lamp housings to custom dimensions. Dimensions and configuration are defined for the machine and process, subject to a feasibility assessment.

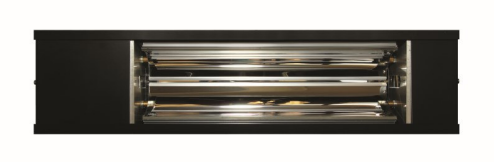
Families and integration 02

Standard dimension tables 04

Custom design and request form 06

Two series.
Integration to be defined.

Configuration starts with the available space, the required treatment and the lamp to be used.



01 / PLE SERIES

Compact profile

A structure supporting the lamp and managing heat where the design calls for a compact cross-section.

P 160 mm / H 152 mm
Standard series cross-section.
10 models in the table on page 4.



02 / ES SERIES

Finned profile

A thick-walled, finned aluminium profile, described in the original data sheet for heavy-duty applications.

P 220 mm / H 230 mm
Standard series cross-section.
5 models in the table on page 5.

A shared structure, with application-specific performance

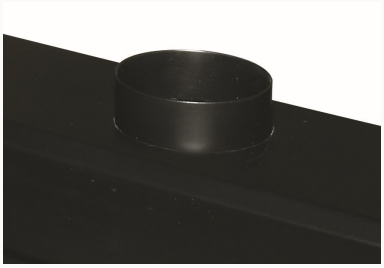
The original data sheet describes aluminium structures and elliptical reflectors with an interchangeable mirror surface. Length, source, exposure and cooling must be selected together: overall dimensions alone establish neither machine compatibility nor the result on the product.

For OEMs and anyone replacing an assembly

Share the layout, lamp data and objective. We identify the family or custom design to assess, without inferring compatibility from the model name alone.

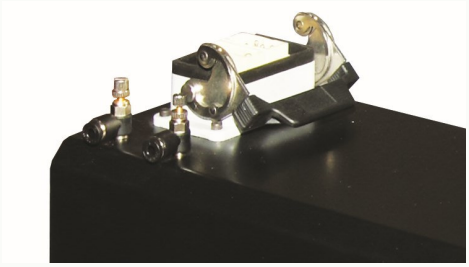
Air, actuation and mountings.

The photographs show details of documented assemblies. Equipment and orientation are defined for the requested configuration.



01 / Connections and air management

Source power, pneumatic connections and extraction are separate interfaces. Positions, flow rates and electrical requirements are agreed with the OEM or the party responsible for the machine.



02 / Fixed or pneumatic version

The tables distinguish the two overall lengths. For the pneumatic shutter version, actuation, permissive signals, pauses and restarts must be integrated into the line sequence.



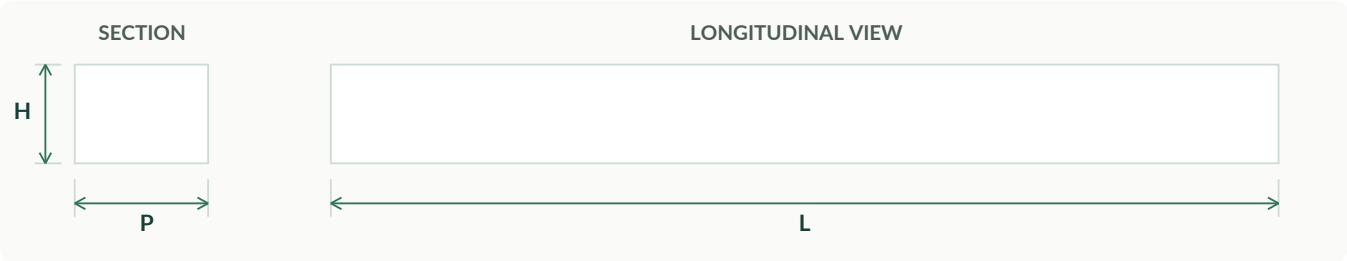
03 / Mountings and access

The original data sheet specifies side mountings with 2 or 4 M6/M8 threaded holes. Quantity, thread, centres and brackets must be confirmed on the drawing of the selected version.

Options to define in the design: lower provision for a quartz filter and a closed-loop configuration. The effect on IR depends on the optical properties of the selected filter; closed-loop does not constitute an IP rating or ATEX certification claim.

PLE series

Dimensions in millimetres. The tabulated dimensions cover standard configurations, rather than the full range of custom designs.



Indicative L, P, H dimension diagram: not to scale and not a manufacturing drawing.

Model	Arc	Fixed version			Pneumatic version		
	(mm)	L	P	H	L	P	H
PLE110	110	262	160	152	338	160	152
PLE200	200	352	160	152	428	160	152
PLE260	260	412	160	152	488	160	152
PLE350	350	502	160	152	578	160	152
PLE450	450	602	160	152	678	160	152
PLE520	520	672	160	152	748	160	152
PLE650	650	802	160	152	878	160	152
PLE750	750	902	160	152	978	160	152
PLE900	900	1052	160	152	1128	160	152
PLE1050	1050	1202	160	152	1278	160	152

Arc: lamp arc length stated in the data sheet. L: overall housing length. P / H: cross-section depth and height.

Need a different size? Custom design and manufacturing are available. Dimensions, interfaces and configuration are agreed before manufacturing starts.

ES series

Dimensions in millimetres. As with PLE, the fixed and pneumatic versions have different overall lengths.

Model	Arc	Fixed version			Pneumatic version		
	(mm)	L	P	H	L	P	H
ES1050	1050	1206	220	230	1284	220	230
ES1220	1220	1376	220	230	1454	220	230
ES1430	1430	1586	220	230	1664	220	230
ES1520	1520	1676	220	230	1754	220	230
ES1650	1650	1806	220	230	1884	220	230

The tables are a reference, not the limits of the range

The dimensions in the tables are standard. Electro Tecnology also designs and manufactures lamp housings to custom dimensions. Dimensions and configuration are defined for the machine and process, subject to a feasibility assessment.

Before using these dimensions for integration

1. Identify the lamp. Arc length and overall length are different measurements; the table alone does not establish the useful treatment width.

2. Check the mounting. Connections, shutter travel and maintenance access must be included in the machine drawing.

3. Agree the design. Centres, tolerances, power supply, extraction and operating conditions remain to be defined for the supply.

Standard sizes are only the starting point.

We also design and manufacture lamp housings to custom dimensions: configuration starts with the product, the machine and the process.

WHAT TO BRING TO THE DISCUSSION

Requirement	Useful information	To define in the design
Dimensions and treatment area	Required arc, available L/P/H, product shape and travel path.	Assembly geometry, source and exposure conditions.
Mountings and access	Drawing or photo with references, brackets, clear areas and maintenance.	Centres, supports and integration options.
Connections and cycle	Power supply, extraction, compressed air, controls and alarms.	Interfaces and sequences for the agreed version.

FROM SURVEY TO MANUFACTURE

01

Request

Photos, known dimensions and objective.

02

Feasibility

Configuration, tests and scope.

03

Drawing

Agreed dimensions and interfaces.

04

Production

Manufacture and specified checks.

What does the supply include?

The proposal specifies the housing, source, power supply, panel, extraction and installation. Photographs do not imply that every part is included.

Your request, with the data available.

Fill in the PDF fields or use this page for notes. Dimensions entered here are request data, rather than confirmation of compatibility.

Company

Contact / email or phone

Machine / model / existing assembly

New, replacement or custom design

Required arc (mm)

Available L (mm)

Available P (mm)

Available H (mm)

Product, process and required result

Mountings, connections and known constraints

Available photos / drawings and notes

Save a completed copy and email it to info@electrotecnology.com. The fields do not send data automatically. Send existing documents only: there is no need to open panels or dismantle parts to complete this request.

Need a different size? Let us discuss the drawing.

We manufacture standard sizes and design custom lamp housings. Photos, available dimensions and the process objective are enough to start the discussion.

The next step is to define the scope

We review the available information, identify points needing further investigation and define the configuration to propose. Lead time, cost and checks relate to the agreed supply.

ELECTRO TECNOLOGY SRLS

Via F. Turati 21/G
40026 Imola (BO), Italy
VAT No. IT 04166501207

+39 0542 643671

info@electrotecnology.com

electrotecnology.com/en/contact/

Open Contacts

Data reference: Electro Tecnology data sheet ET-UV-CL-01, revision 01 dated 05.10.2026. All 15 dimensional rows are preserved; editorial revision 02 dated 17.10.2026.

Photographs from the original technical archive. This brochure supports requests and technical discussion: it does not replace the manufacturing drawing, manual or supply documentation, and claims no new performance tests.

R02 / Review version. The print copy requires final checks by the printer.