

iGuzzini photometric codes

What is the photometric format?

The photometric format is a standard used to read the electronic files used by lighting design and photorealistic software applications. The data contained in the photometric file is interpreted by the software applications according to a standard.

How many photometric formats are there?

Although there are different types of photometric formats or standards, the most popular photorealistic and lighting calculation software applications use the following formats: **ies**, **iesna**, **eulumdat**, **tm14**. For information on the differences between the various standards, please refer to the official documentation.

How to read the iGuzzini photometric codes:

Our photometric code system uses a series of codes, normally 4 digits for product, accessory and lamp codes, and 2 digits for colour code (product and accessory), if necessary. Special variations are shown in parenthesis.

The codes (product, accessory, lamp) are the normal iGuzzini codes used in the catalogues. The iGuzzini codes are concatenated by the symbol “_”

The code is created by concatenating the product code (main body) with other codes (accessories, lamps and colours), in addition to possible variations (see examples).

The file extension determines the type of photometric format.

The following formats are currently offered by iGuzzini: **ies**, **iesna**, **eulumdat**, **tm14**.

ies, **iesna**, and **tm14** files are coded for each permitted accessories and lamp, and therefore there will be as many product codes as the permitted accessories and lamps.

- For example:

9025_1732.IES	(product_1st lamp)
9025_1749.IES	(product_2nd lamp)
9025_9075_01_1732.IES	(product_1st accessory_colour_1st lamp)
9025_9075_01_1749.IES	(product_1st accessory_colour_2nd lamp)
9025_9088_24_1732.IES	(product_2nd accessory_colour_1st lamp)
9025_9088_24_1749.IES	(product_2nd accessory_colour_2nd lamp)

eulumdat files are coded for each associated accessory, while permitted lamps are concatenated.

- For example:

9025_1732_1749.LDT	(product_lamps)
9025_9075_01_1732_1749.LDT	(product_1st accessory_colour_lamps)
9025_9088_24_1732_1749.LDT	(product_2nd accessory_colour_lamps)

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Notes:

The photometric files contained in the databases refer to single-optic products. Therefore all products with multiple optics (if available) are to be considered as single-optic products.

Some typical examples:

- 5651_1195_24_1769.IES
 - 5651 => code of product or lighting object
 - 1195 => accessory code (refractor)
 - 24 => colour of accessory or preceding code (clear)
 - 1769 => iGuzzini lamp code (70w HIT)
 - _ => code separators
 - .IES => format type

- 8002_1695.IES
 - 8002 => code of product or lighting object
 - 1695 => iGuzzini lamp code (50w dichroic 10°)

Note:

Following is a description of the special codes.

Special codes:

Some variations may occur due to special conditions of the product, such as dimming, orientation, etc. In this case, the special conditions are shown in parenthesis (see examples):

Dimming (of some products)

- For example:
 - 7334_(MIN)_1668.IES (product_minimum dimming_lamp)
 - 7334_(MAX)_1668.IES (product_maximum dimming_lamp)

Adjustability of body or accessory

- For example:
 - B067_B929_(DOWN)_1617.IES (product_accessory_down emission_lamp)
 - B067_B929_(UP)_1617.IES (product_accessory_up emission_lamp)

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