



Industrial LED CHT-DIM

Maximum efficiency



Industrial LED
CHT LED 150 DIM

Maximum energy savings with highly efficient solutions from Chatron CHT-DIM LED

The industrial LED Chatron CHT-DIM allow maximum energy savings due to their high efficiency related to LEDs, drives and intelligent dimming system.

The efficiency of chatron leds is 150 lumens / W, but this is only the beginning of the difference in maximizing efficiency.

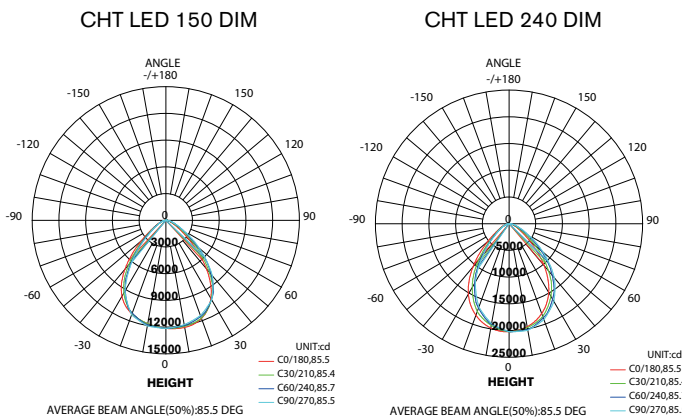
Another very important factor that distinguishes Chatron's Industrial LEDs from all others on the market is the intelligent light probe incorporated in all LEDs, varying their power and therefore their energy savings, depending on the reading of the ambient light at every moment.

Factory: Travessa da Zona Industrial - 1,
n° 95 Rossio, 3730-601
Vila Cova do Perrinho, Vale de Cambra,
PORTUGAL

Tel. (+351) 256 472 888
Fax: (+351) 256 425 794
Email: comercial@chatron.pt
Url: www.chatron.pt



Light intensity distribution diagrams



This LED system consumes only what is necessary and sufficient to maintain the same levels of lighting with or without natural light in the environment.

In an industrial building with lots of natural light, savings can be almost 100% on average during 10 hours of sunshine (particularly during summer).

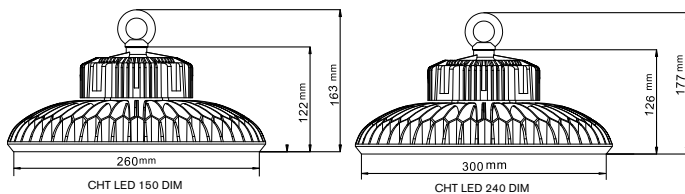
No doubt, the ideal solution is the simultaneous use of Chatron Solar Light Tubes and CHT-DIM Leds to maximize natural light in the internal environment and consequently reduce the consumption of the Leds, obtaining maximum energy efficiency in the lighting of the industrial unit.

Technical characteristics

Model	Power (W)	Size (mm)	Lumen	Beam Angle
CHT LED 150 DIM	150	260x260x163	22500	90°
CHT LED 240 DIM	240	300x300x177	36000	90°

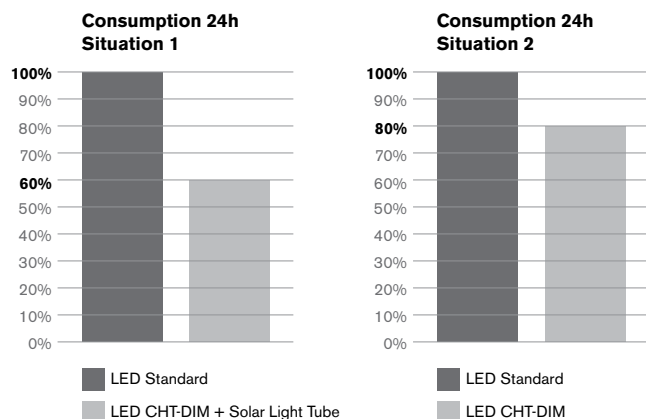
Model	CCT	Voltage	Power Factor	CRI	NET Weight
CHT LED 150 DIM	4000/6000	AC 100-277V	>0.95	≥ 80	3.1 Kg
CHT LED 240 DIM	4000/6000	AC 100-277V	>0.95	≥ 80	4.0 Kg

Dimensions



Reduction of the energy bill

In Graph we can see the reduction of the energy bill associated with the fact that on average in an industrial building there is natural light coming from windows, doors, skylights etc. That, can mean by itself an average of 20% reduction in the energy bill if the unit works 24 hours, otherwise it may be much higher:



In short

What is the best Industrial Led?

1. The one that is most efficient
2. The one that is more intelligent
3. The one that saves beyond its natural efficiency, regulating the use of its power according to the natural light in the space

It is not enough to buy and apply very efficient leds and continue to consume 24 hours a day, even when there is no need for so much ambient light

Chatron CHT-DIM Industrial Leds do it all:

- They have a built-in light probe, adjustable in order to always discount the natural light that exists in space at all times.
- When combined with Chatron solar tubes, they make them the most sophisticated, most efficient and most intelligent system on the market.

The graph on the left shows the reduction in the energy bill associated with an installation equipped with Chatron Solar Tubes and with CHT-DIM Leds, reaching an average reduction in the order of 40%, if the unit works 24h. If the operation is during the day, the reduction may be much higher.