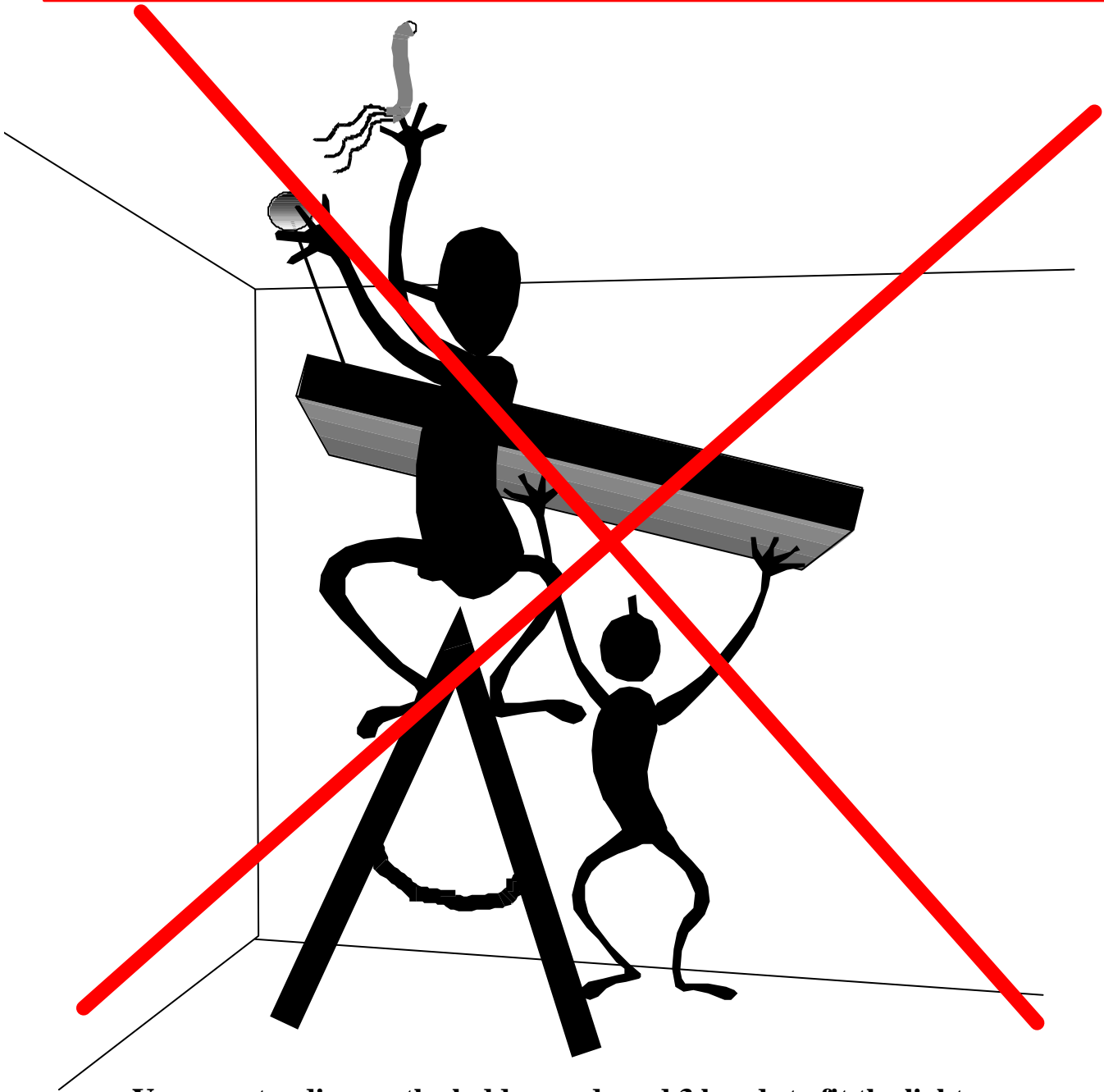


## The Problem



- **You are standing on the ladder and need 3 hands to fit the light:**
  - One hand to hold the light
  - One hand to hold the junction box and the cables
  - One hand to tighten the screws
- **What should the ceiling connection for a light in a „turn-key“ house look like?**
- **Two people and 4 hands are necessary to fit a long fluorescent light!**

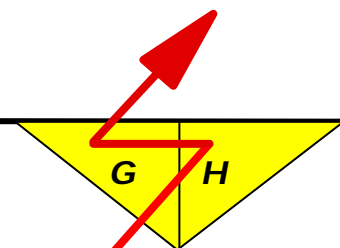
# The Solution:

## **P A T - The Light "Plug & Turn" System** simpler - faster - safer



### The light fitting is split in 3 parts:

1. Fitting the handy ceiling fixture
2. Mechanical and electrical preparation of the light adapter and light
  - a) for industrial application by the light manufacturer
  - b) easy and quick on the workbench
3. Plugging the ceiling fixture **P**  
And **A**  
Turning the bayonet connection **T**



# P A T - The Light "Plug & Turn" System

simpler - faster - safer



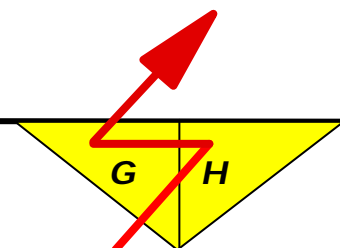
## The ceiling fixture (ceiling view)

- with two openings, suitable for
  - 3-pole cable
  - 5-pole cable
- with bayonet tracks and retaining mechanism plus marking studs
- with thin ceiling contact ring
- with screw holes



## The ceiling fixture (light view)

- with integrated fitting instructions
  - triangle
  - arrow
  - writing
- with insulated screw area
- with snap fasteners for the contact terminals

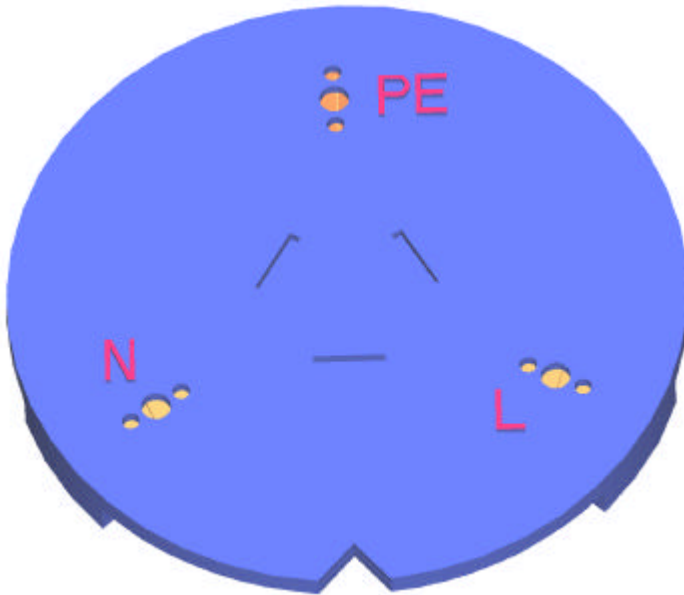


# P A T - The Light "Plug & Turn" System

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## Female / Male Terminal Plate

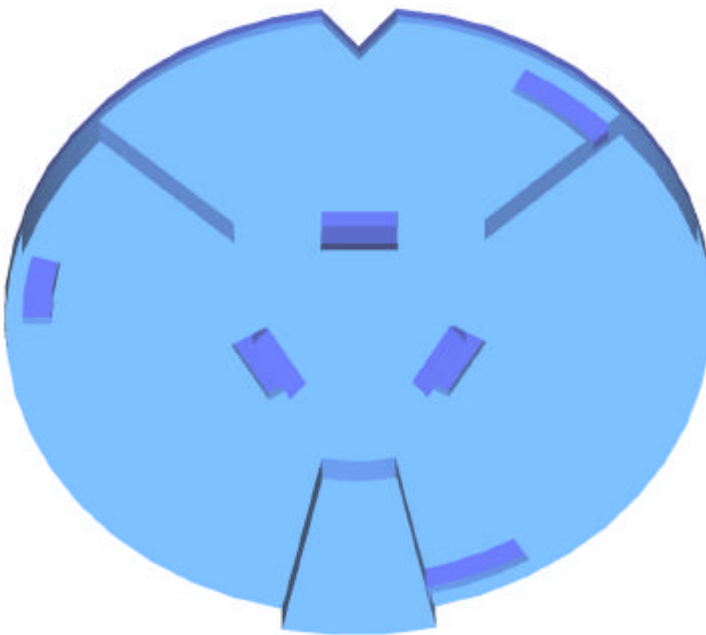
(cable view)



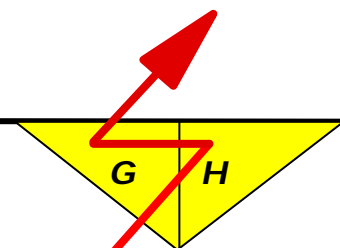
- with screw-less male or female terminals
- with markings for the contact poles
- terminals can be released with a tool
- clips easily into the  
=> ceiling fixture  
=> light adapter

## Female / Male Terminal Plate

(contact view)



- Same design for the male and female terminals
- Female terminals in plate safe to touch - conforms to VDE 0620 Electrical Safety Standards



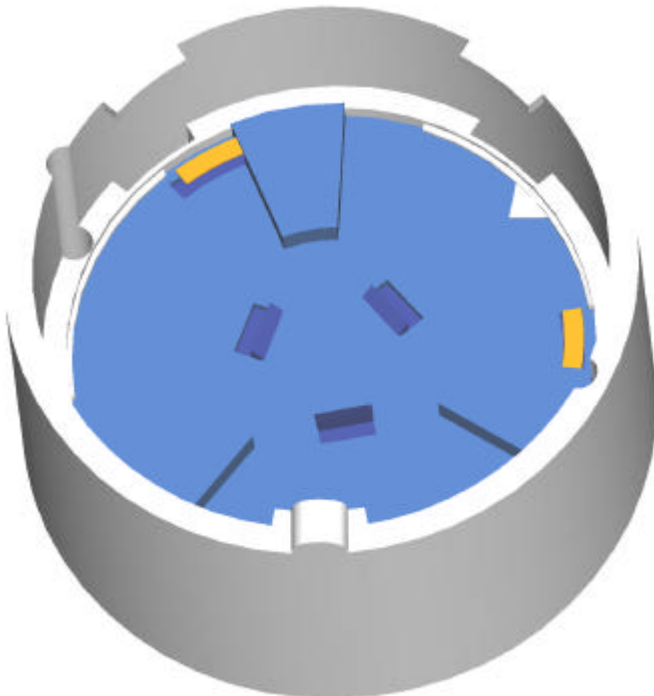
# P A T - The Light "Plug & Turn" System

simpler - faster - safer



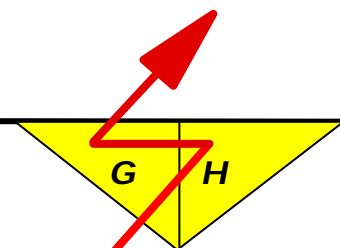
## LIGHT ADAPTER (ceiling view)

- with integrated 2 wire suspension
- with through openings
  - for suspended pendant
  - for 1 wire suspension
  - for slackening the supply cable
- with positioning and retaining markings (arrow and stud)



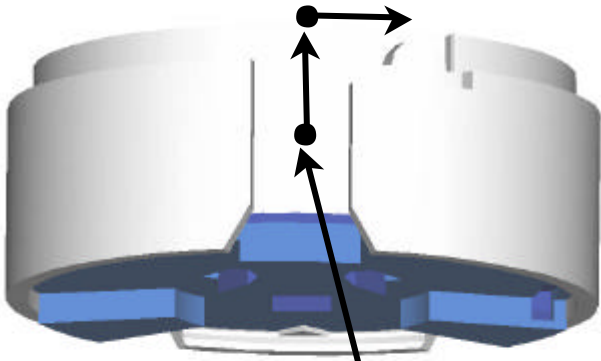
## LIGHT ADAPTER (ceiling view)

- completely assembled and connected to the light electrically and mechanically
- the male terminal plate, the same design as the female plate, is clipped into the ceiling fixture without tools
- the male contacts are not accessible when under current



# P A T - The Light "Plug & Turn" System

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## CEILING FIXTURE (light view)

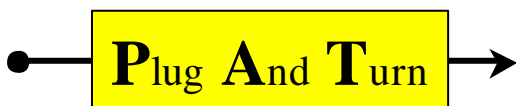
- fully fitted
- touch-safe, conforms to VDE 0620 Electrical Safety Standards
- ready for
  - office lighting
  - household lighting
  - spots
  - transformers for low voltage lighting



## LIGHT ADAPTER (light view)

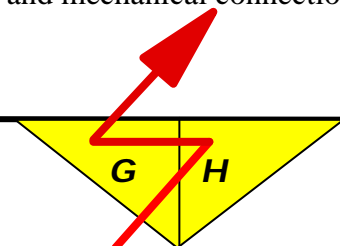
completely assembled,  
ready for fitting to the ceiling fixture with

- office lighting
- household lighting
- spots
- transformers for low voltage lighting
- ceiling fans
- .....



**Plug the *light adapter* over the *ceiling fixture* And Turn!**

The bajonet system simultaneously offers a secure electrical and mechanical connection.



# P A T - The Light "Plug & Turn" System

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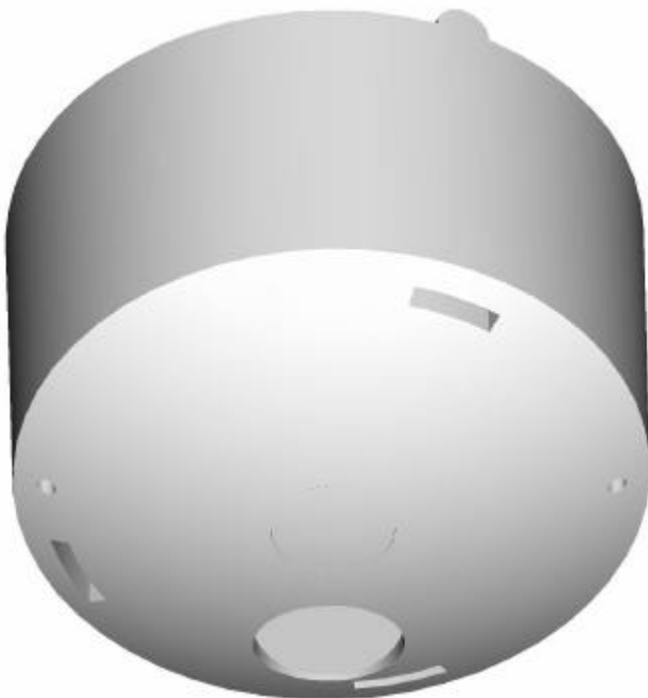


## PAT – The Light “Plug & Turn“ System

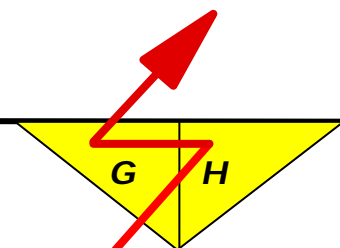
- fully fitted
- retained with snap fasteners
- protection Earth (PE) contacts first
- design covers can be mounted without tools
- light adapter can be replaced with a dust cover

## TECHNICAL DATA

- 230 V
- 6 A
- 3 or 5 poles available
- Maximum weight: 15kg
- Measurements  $\varnothing 67 \times 48$  mm
- suitable for
  - suspended pendant
  - single wire suspension
  - double wire suspension
  - household lighting
  - rose replacement
  - transformer fittings
  - fittings for ceiling fans
  - and many other applications



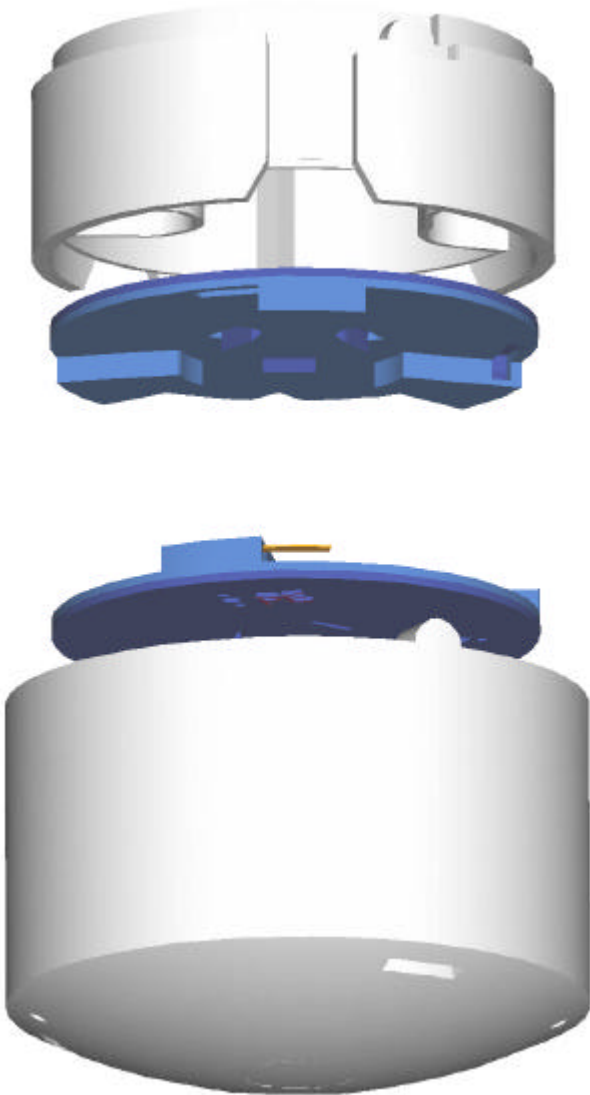
**Leuchtentechnik  
Georg Hofmann**



# P A T - The Light "Plug & Turn" System

simpler - faster - safer

## ADVANTAGES



- Greatly simplified and rationalized fitting, particularly heavy, unmanageable, clumsy lights can be hung by 1 person
- Fast exchange of lights even by non-experts without any danger; ideal for fairs, seminar rooms, window displays etc
- High level of safety during fitting
- High level of electrical and mechanical safety at hand-over of turn-key buildings thanks to ceiling adapter instead of loose, dangling cables
- Ceiling fixture can be fitted and protected with a dust cover until the building being cleaned and the lights have been fitted.
- Swapping the lights for other current-dependant devices e.g. ceiling fans, transformers etc can be accomplished quickly and easily by anyone
- A variety of different hanging systems is integrated
- No tools required for fitting additional design covers

