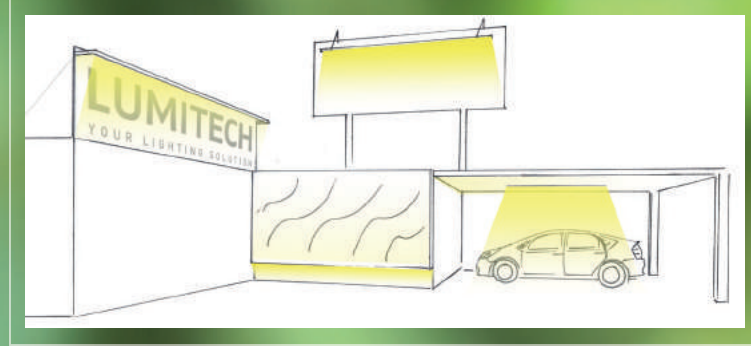
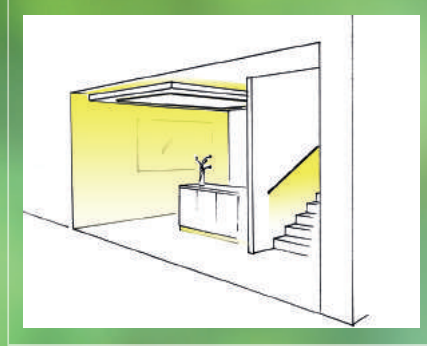


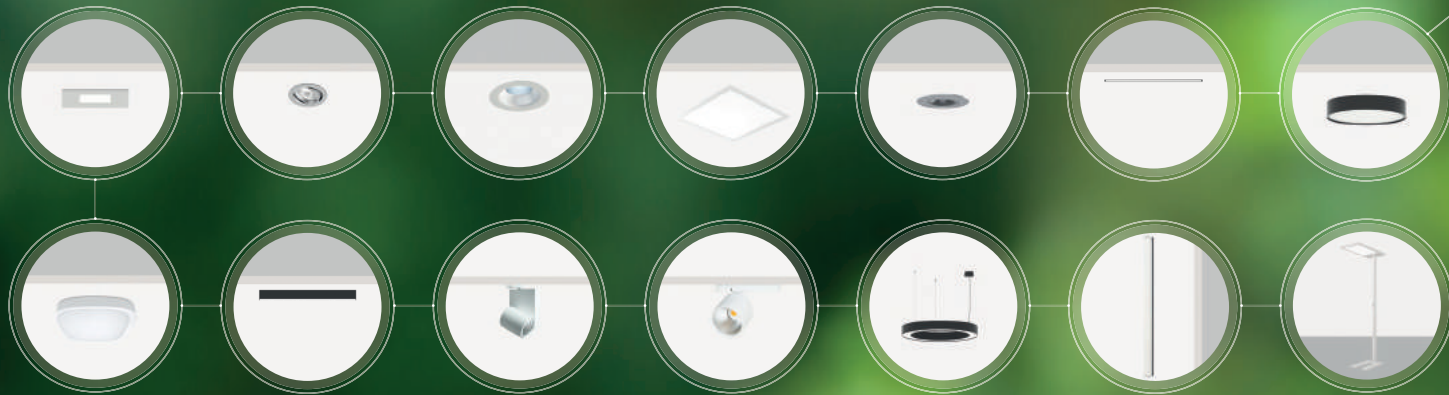


SCAN ME

# RETROFITTING OF COVE LIGHTING



# DISCOVER THE KITEO RE-FIT LUMINAIRE RANGE



# ENERGY EFFICIENT AND SUSTAINABLE RE-FIT LUMINAIRE SET

### Urgent need for action!

Conventional light sources (fluorescent tubes / halogen bulbs) phased out in August 2023. KITEO offers solutions for each type (individual length & power supply)

### Safety

Conformity with standards thanks to luminaire certification



### Resiliency to grid fluctuations

Converter buffering for longer service life (LED module not directly connected to 230 V / 50 Hz) 70,000 h L80B10



### Eligible for subsidies

The simple replacement of light sources (e.g., fluorescent tube to LED tube) is mostly excluded from environmental subsidies.



### Flicker-free

No blanking intervals as LEDs not directly connected to 230 V / 50 Hz



### Sustainability

Luminaire housing remains. Replacement without structural measures.



### 100% Made in Europe

in accordance with environmental & sustainability regulations



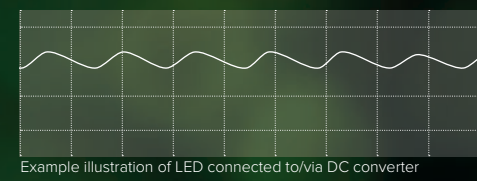
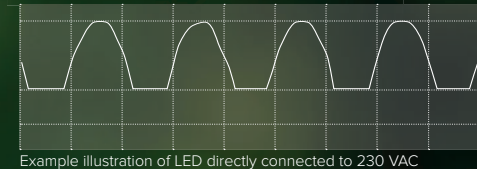
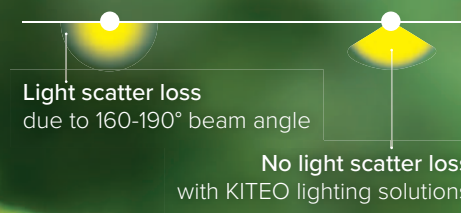
### Top color rendering

and best viewing comfort thanks to CRI >90



### Energy efficient with best light quality

Highest efficiency of up to 180 lm/W  
Up to 70% energy savings (30% compared to LED tubes) and no light scatter losses thanks to 20° beam angle (compared to typical 160-190° -beam angle of LED tubes)



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# RETROFITTING OF GRID LUMINAIRES

## to a highly efficient lighting solution

with efficiencies of up to 180 lm/W; energy savings of up to 70% compared to fluorescent tubes and up to 30% compared to LED tubes



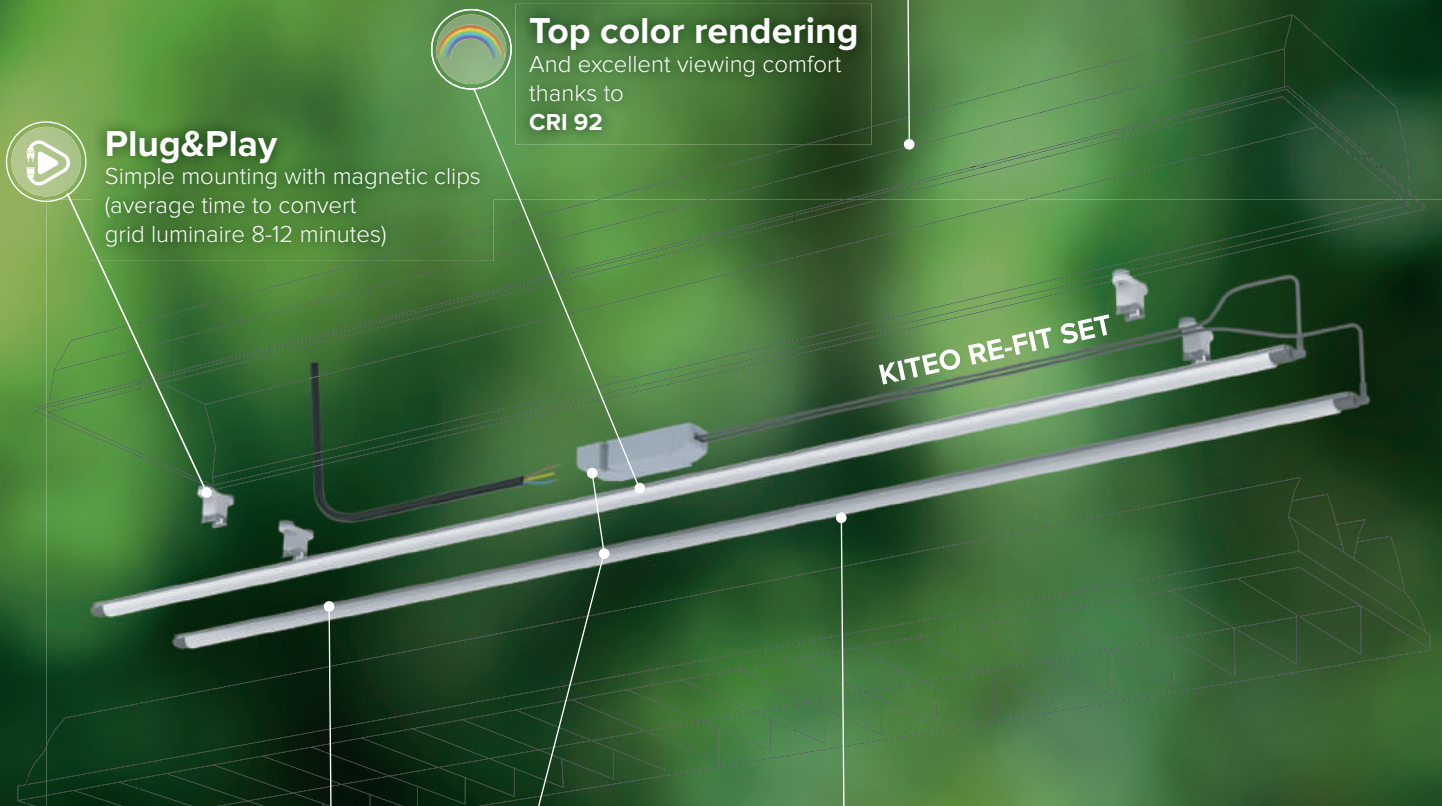
**Sustainability**  
The existing luminaire housing can remain.  
No structural measures on the ceiling required.



**Top color rendering**  
And excellent viewing comfort thanks to **CRI 92**



**Plug&Play**  
Simple mounting with magnetic clips (average time to convert grid luminaire 8-12 minutes)



**Fully certified LED light source**  
in accordance with ENEC standard (CE, ENEC, UL, EN, etc.)

Flawless product situation in terms of standards, liability and warranty.  
In contrast, the situation with LED tubes is always critical and contentious in terms of the warranty. When retrofitting LED tubes, the electrician must issue a new CE declaration of conformity for the retrofitted light source.



**IP54**  
Protection of the luminaire (Electronic ballast IP20)



**Subsidies**  
The criteria >120 lm/W, CRI and ENEC certification are fulfilled

Fluorescent tubes	Power [W]	KITEO RE-FIT [W]	Energy savings
T5 HO	24	7	71%
T5 HO	39	12	69%
T5 HE	21	8	62%
T5 HE	35	13	63%
T8	18	6	67%
T8	36	13	64%
T8	58	22	62%
T5 HO/ HE ECO...			

Example - Translation table for all common fluorescent tube types (incl. indication of the energy saving)

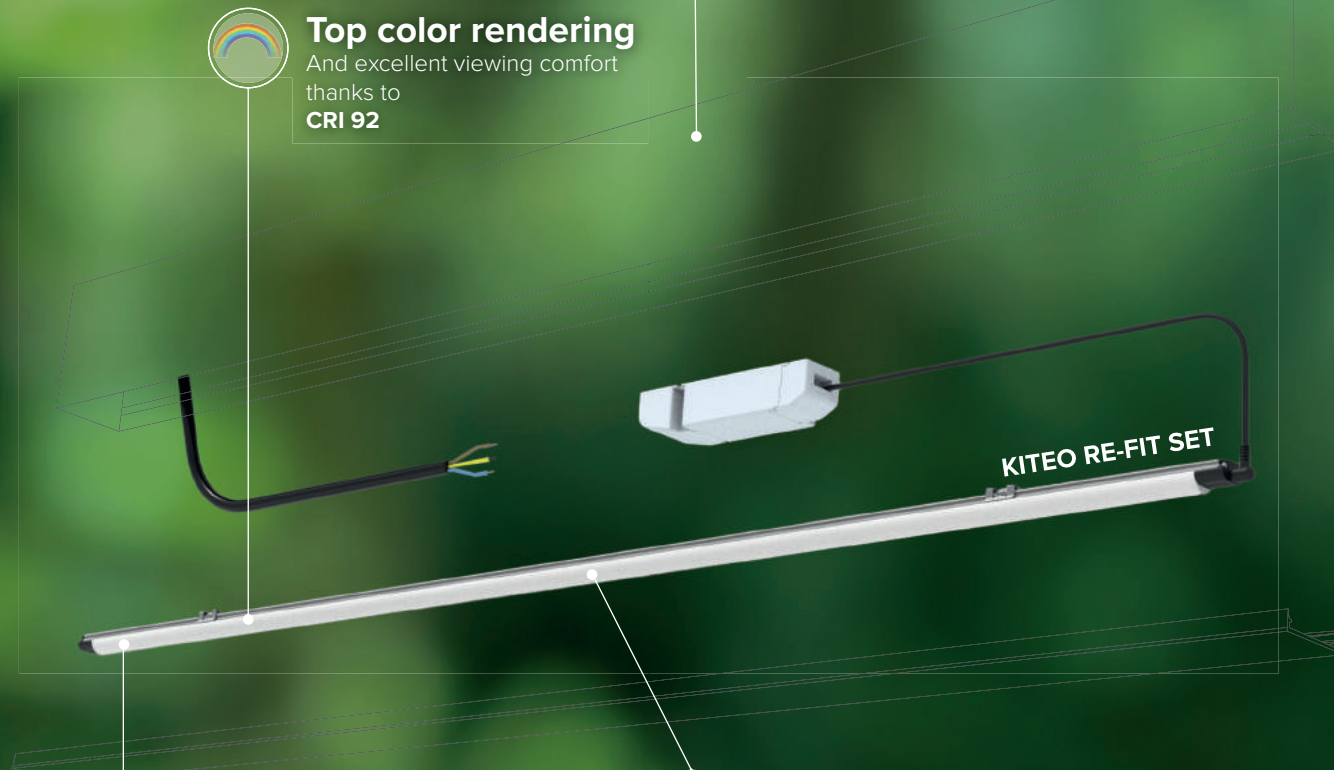
# RETROFITTING OF LINEAR PROFILE LUMINAIRES



**Sustainability**  
The existing luminaire housing can remain.  
No structural measures on the ceiling required.



**Top color rendering**  
And excellent viewing comfort thanks to **CRI 92**



**Fully certified LED light source**  
Flawless product situation in terms of standards, liability and warranty.

In contrast, the situation with LED tubes is always critical and contentious in terms of the warranty. When retrofitting LED tubes, the electrician must issue a new CE declaration of conformity for the retrofitted light source.



**IP54**  
Protection of the luminaire

Luminaire	T8	KITEO
System power [W]	18	6
Relative electricity costs [%]	100	33
Savings potential [%]		67
Working days/year	220	220
Use per day [h]	10	10
CO2 savings per year [kg]		12.5

Example – Translation table (common T8 fluorescent tube); applied emissions factor: 474



**1 tree's worth of CO<sub>2</sub> per luminaire**

12.5 kg of CO<sub>2</sub> corresponds to the average amount of CO<sub>2</sub> captured by a beech tree each year. Each luminaire\* replaced by KITEO can therefore save just as much CO<sub>2</sub> as 1 tree would capture in the same time.

\* Savings depend on type of luminaire, see example