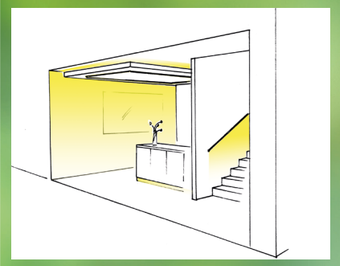
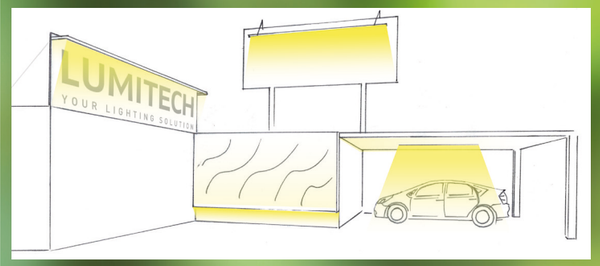
KITEO
MEMBER OF LUMITECH GROUP

SCAN ME

RETROFITTING OF COVE LIGHTING





DISCOVER THE KITEO RE-FIT LUMINAIRE RANGE

Michael Paukowits
Managing Director
M: +43 664 44 92 048
michael.paukowits@kiteo.eu

Michael Hauser
Sales Austria
M: +43 664 43 94 664
michael.hauser@kiteo.eu

Oliver Deutsch
Sales Austria
M: +43 664 96 88761
oliver.deutsch@kiteo.eu

Markus Fischer
Key Account | Sales Germany
T: +49 172 8308 826
markus.fischer@kiteo.eu

www.kiteo.eu

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

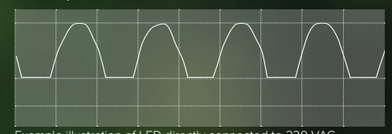
Sustainability
Luminaire housing remains. Replacement without structural measures.

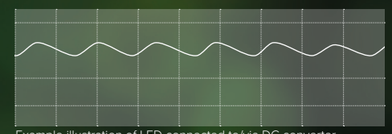
100% Made in Europe
in accordance with environmental & sustainability regulations

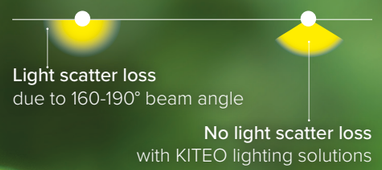
Eligible for subsidies
The simple replacement of light sources (e.g., fluorescent tube to LED tube) is mostly excluded from environmental subsidies.

Top color rendering
and best viewing comfort thanks to CRI >90

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


Example illustration of LED directly connected to 230 VAC


Example illustration of LED connected to/via DC converter



Light scatter loss
due to 160-190° beam angle

No light scatter loss
with KITEO lighting solutions

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)

www.kiteo.eu

100% Made in Europe
according to appropriate environmental and sustainability regulations

RETROFITTING OF GRID LUMINAIRES

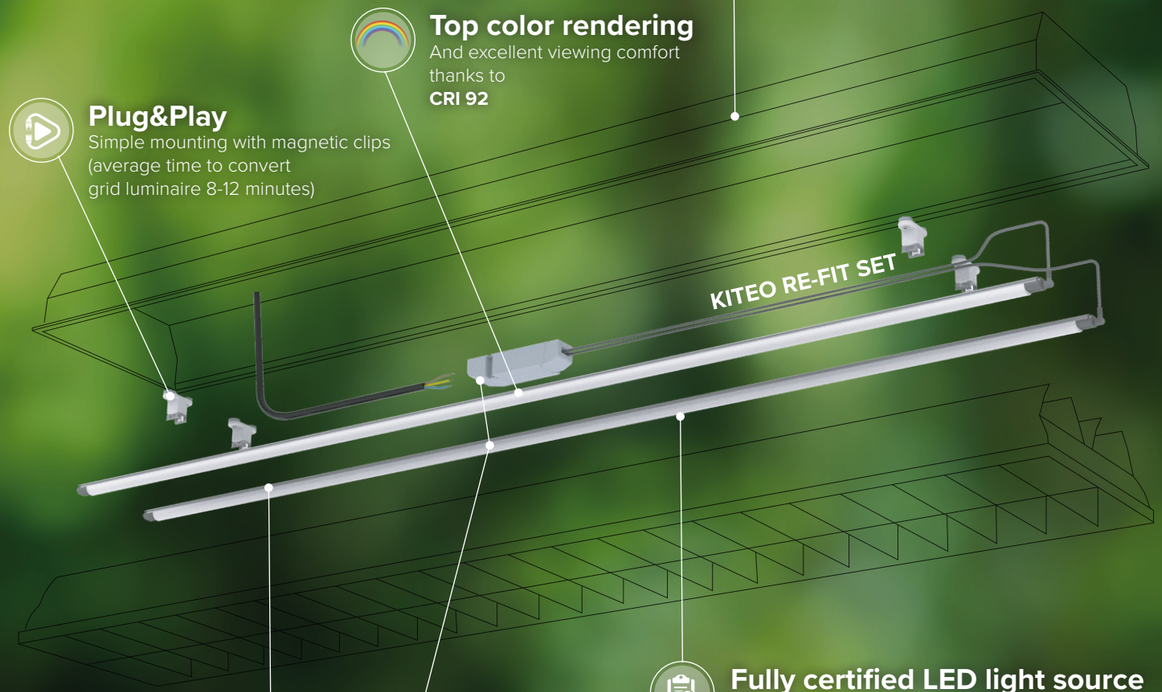
to a highly efficient lighting solution

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)



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

IP54
Protection of the luminaire
(Electronic ballast IP20)

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.

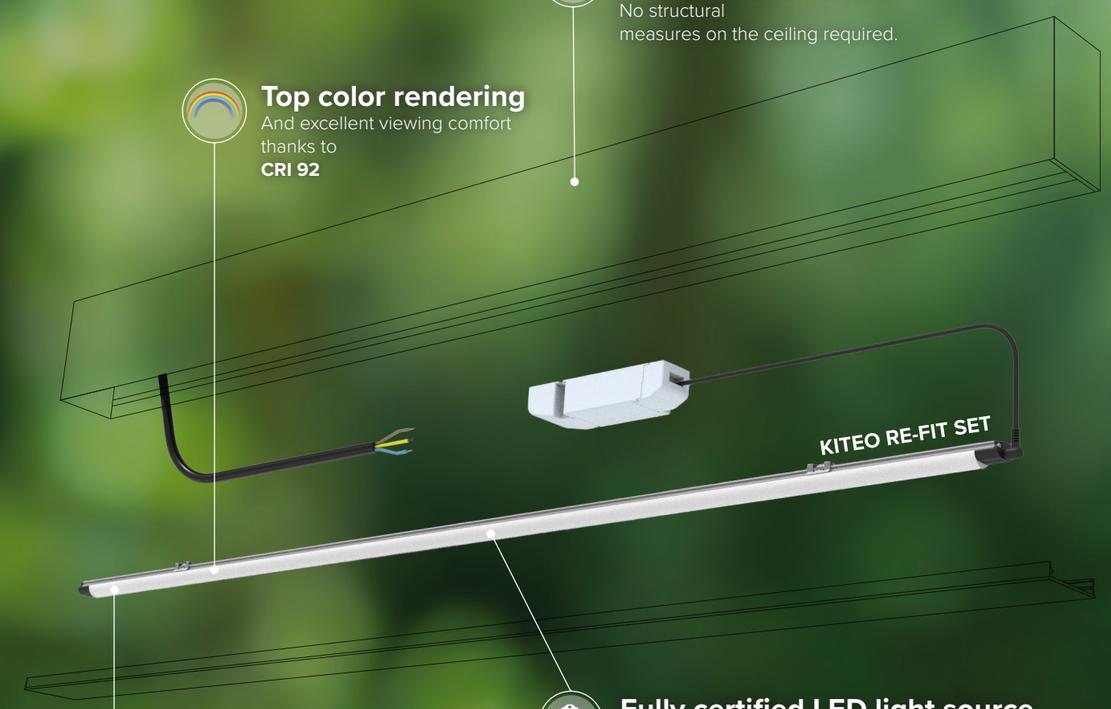
Fluorescent tubes	Power [W]	KITEO RE-FIT [W]	Energy savings
T5 HO	24	7	71%
T5 HO	39	12	69%
T5 HE	21	8	62%
T5 HE	35	13	63%
T8	18	6	67%
T8	36	13	64%
T8	58	22	62%
T5 HO/ HE ECO...			

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



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

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.

1 tree's worth of CO_2 per luminaire
12.5 kg of CO_2 corresponds to the average amount of CO_2 captured by a beech tree each year. Each luminaire* replaced by KITEO can therefore save just as much CO_2 as 1 tree would capture in the same time.

* Savings depend on type of luminaire, see example

www.kiteo.eu