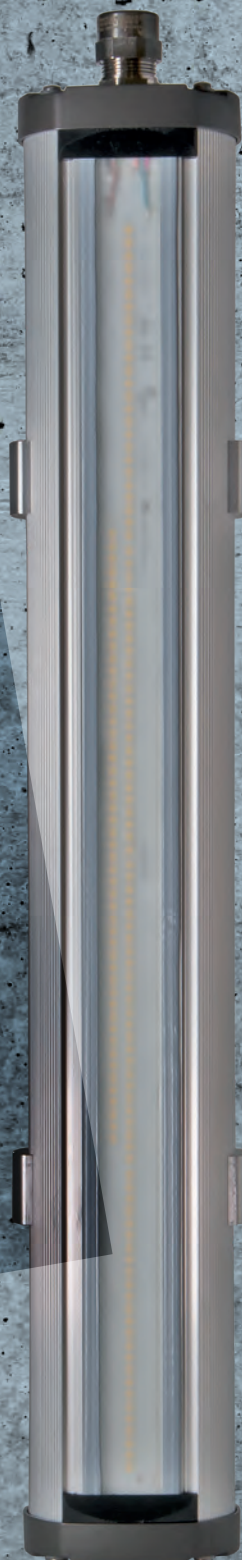


Less  
is  
More



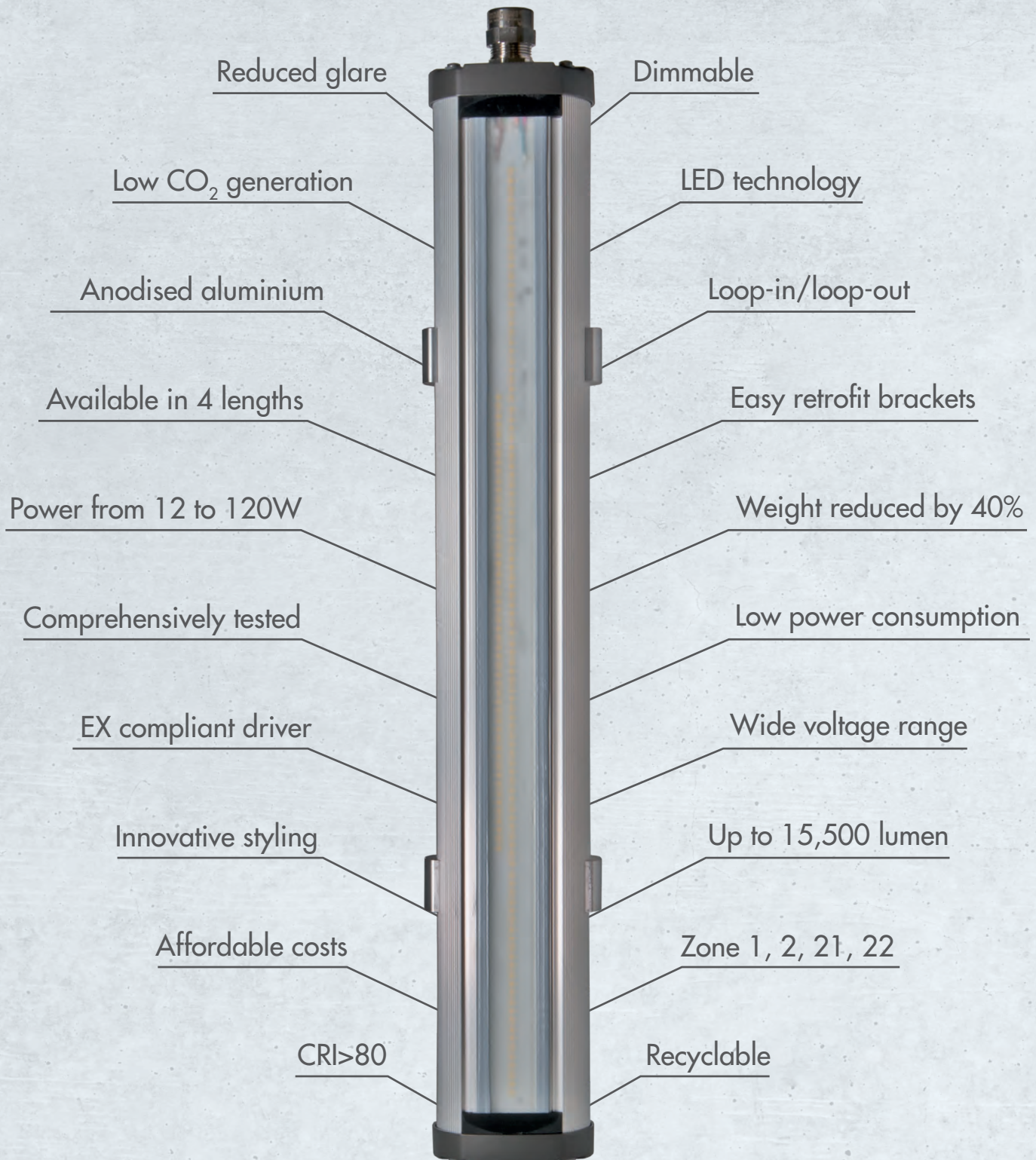
Life<sup>ē</sup>, the shift in the new lighting paradigm



To be sure to be safe.



We have reduced the size, lowered the weight, shortened the time of installation, removed any type of risk, reduced any maintenance intervention, avoided 70% of the components and saved tons of CO<sub>2</sub>.

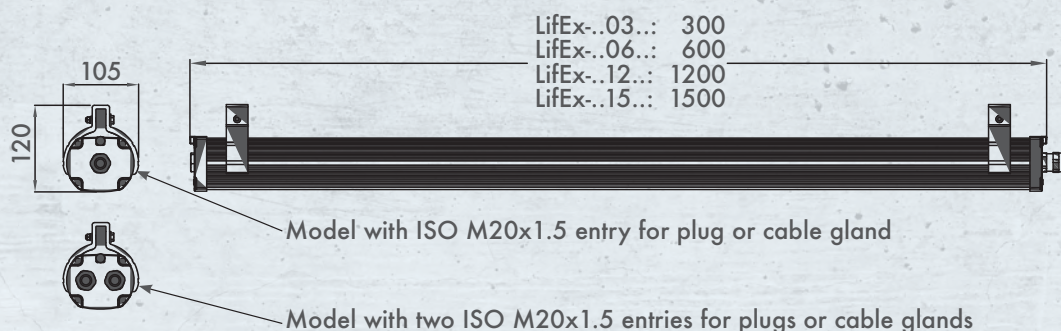


**We have also eliminated the possibility of improving it.**



## Reduced dimensions and weight

Careful product architecture oriented towards achieving optimal total life cycle management (circular economy) and maximising working life made it possible to create a compact, lightweight and easy to install lighting fixture that is also extremely robust and durable.



## Luminous flux up to 15,500 lumen

From the perspective of electronics and lighting design, the use of LED technology and high-power LED strips allowed us to reach a light output of 15,500 lm with high efficiency and guaranteed durability through time.

## Retrofit brackets

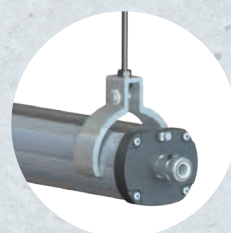
An innovative brackets system, without C/C distance constraints, allows simple installation, easy retrofitting, and the facility to rotate the lighting fixture from  $-30^{\circ}$  to  $+30^{\circ}$ .



from  $-30^{\circ}$  to  $+30^{\circ}$



LifEx pole mounting



LifEx ceiling mounting  
(six versions in catalogue)

## Comprehensively tested

LifEx has passed, together with all regulatory tests, extra mechanical and electrical tests in addition to those specified in the certificate such as vibration test, IK09 and IPX9, photobiological risk exemption.

## Application sectors and zones



On-shore plants



Off-shore plants



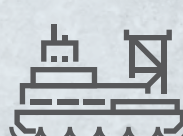
Chemical and petrochemical plants



Agri-food plants



Wastewater treatment plants



Naval installations



Low temperatures



## MECHANICAL CHARACTERISTICS

<b>Body:</b>	housing and heads in aluminium alloy resistant to atmospheric corrosion and marine environments
<b>Diffuser:</b>	Glass, resistant to thermal shock, impact and UV radiation
<b>Gaskets:</b>	acid and hydrocarbon resistant silicone
<b>Internal frame:</b>	aluminium extrusion
<b>Bolts and screws:</b>	stainless steel
<b>Entries:</b>	Max. 4 inlets Ø25.5. Standard version with no.2 Ø20.5 holes complete with no.1 NAV20IB cable gland and no.1 PLG11B plug. For other versions, caps and cable glands are on request
<b>Assembly:</b>	mounting brackets for M8 holes adjustable from 0° to 30°

## ELECTRICAL CHARACTERISTICS

<b>Power unit:</b>	electronic
<b>Rated voltage:</b>	100÷277 Vac/dc (refer to selection tables for details)
<b>Rated frequency:</b>	50/60 Hz
<b>Connection:</b>	directly to terminal board L, N, Pe 4 mm <sup>2</sup> max section terminal board with jumpers suitable for through-wiring both from single side and from two opposite sides
<b>Emergency unit:</b>	electronic inverter 110/227 Vac 50/60 Hz, 110 -270 Vdc. Ni / Mh batteries, 1.8 Ah or 3 Ah, 6V
<b>Wiring:</b>	high-temperature resistant semi-rigid cables

## CERTIFICATION DATA

<b>Classification:</b>	group II Category 2 G D
<b>Installation:</b>	Zone 1, 2, 21, 22 (LiEx-ME) zone 2, 21, 22 (LiEx-MN) zone 21, 22 (LiEx-MT)
<b>Marking:</b>	<p>CE 0722 Ex II 2GD - Ex db eb mb IIC T.. Gb - Ex tb IIIC T..°C Db IP66 LiEx-ME</p> <p>CE Ex II 3GD Ex ec IIC T.. Gc - Ex tb IIIC T..°C Db IP66 LiEx-MN</p> <p>CE 0722 Ex II 2D - Ex tb IIIC T..°C Db IP66 LiEx-MT</p>

**Certified:**



<b>Ambient Temp.:</b>	-60°C for versions without battery, -20°C/-60°C for versions with battery
<b>Protection degree:</b>	Certified IP66

## PHOTOMETRIC CHARACTERISTICS

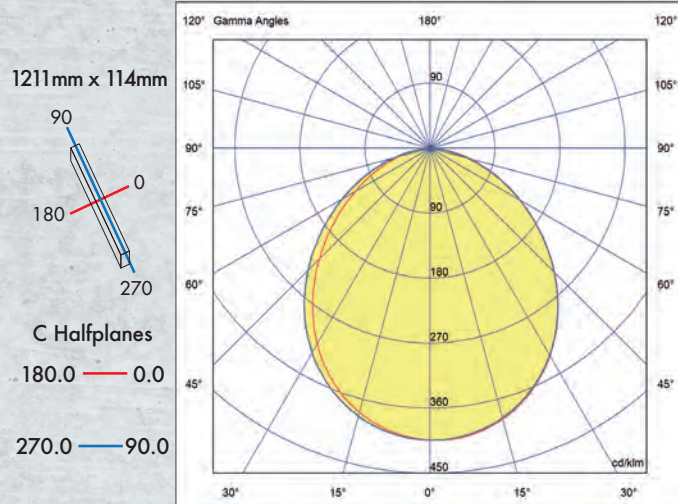
<b>Multichip LED:</b>	Mid power
<b>Viewing angle:</b>	120°
<b>Colour temperature:</b>	5000 K
<b>CRI:</b>	> 80
<b>Instant Restrike:</b>	SI
<b>L80:</b>	> 54000 hours

Flux 6390 lm  
Maximum 404.41 cd/klm  
Position C=0.00 G=2.00

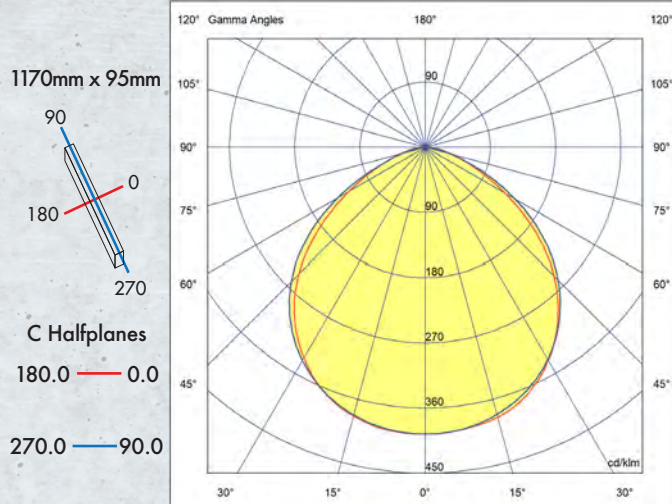
Efficiency: 100.00%  
Date: 11-05-2022  
Asymmetrical

Flux 14544.33 lm  
Maximum 395.91 cd/klm  
Position C=170.00 G=1.00

Efficiency: 100.00%  
Date: 12-12-2019  
Asymmetrical



Photometric curve LifEx-MT-1290



Photometric curve LifEx-MT-12120