

Less
is
More



Life^x, the shift in the new lighting paradigm



To be sure to be safe.

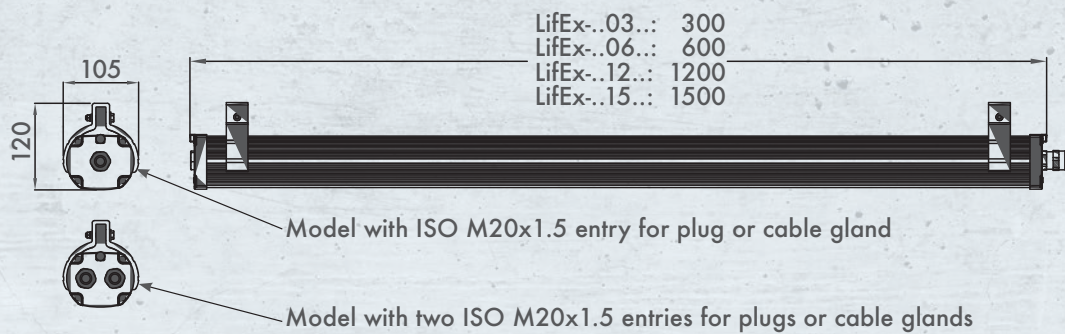
We have reduced the size, lowered the weight, shortened the time of installation, removed any type of risk, reduced any maintenance intervention, avoided 70% of the components and saved tons of CO₂.



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

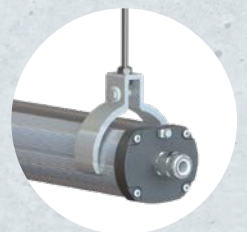
An innovative brackets system, without C/C distance constraints, allows simple installation, easy retrofitting, and the facility to rotate the lighting fixture from -30° to $+30^{\circ}$.



from -30° to $+30^{\circ}$



LifEx pole mounting



LifEx ceiling mounting
(six versions in catalogue)

Comprehensively tested

Apart from passing all the tests required by law, LifEx has also passed additional mechanical and electrical tests such as vibration testing, soft start and surge tests, and photobiological risk exemption test.

Application sectors and zones



On-shore plants



Off-shore plants



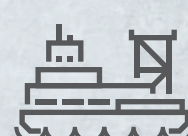
Chemical and petrochemical plants



Agri-food plants



Wastewater treatment plants



Naval installations



Low temperatures

MECHANICAL CHARACTERISTICS

Body:	Housing and heads in aluminium alloy resistant to atmospheric corrosion and marine environments
Diffuser:	Glass resistant to shock, impact and UV radiation
Gaskets:	Acid and hydrocarbon resistant silicone
Internal frame:	Aluminium extrusion
Bolts and screws:	Stainless steel
Entries:	Max. 4 Ø 20.5 entries (suitable for ISO M20x1.5 threads), M25 entries available on request
Assembly:	Mounting brackets for M8 holes adjustable from 0° to 30°

ELECTRICAL CHARACTERISTICS

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

CERTIFICATE CHARACTERISTICS

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

Certified:

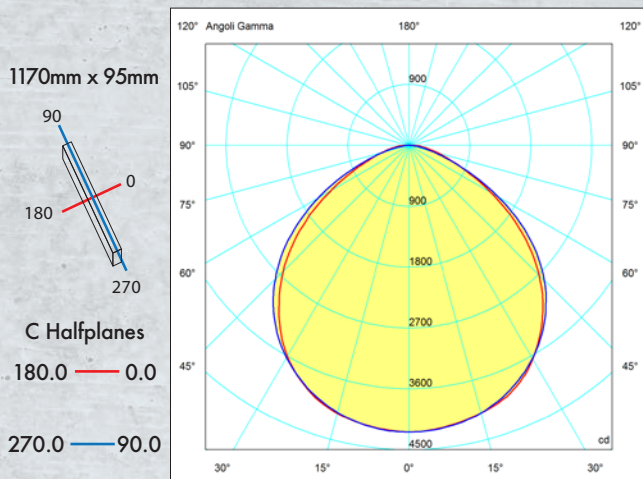


Ambient Temp.:	-60°C for versions without battery, -20°C for versions with battery
Protection degree:	Certified IP66

PHOTOMETRIC CHARACTERISTICS

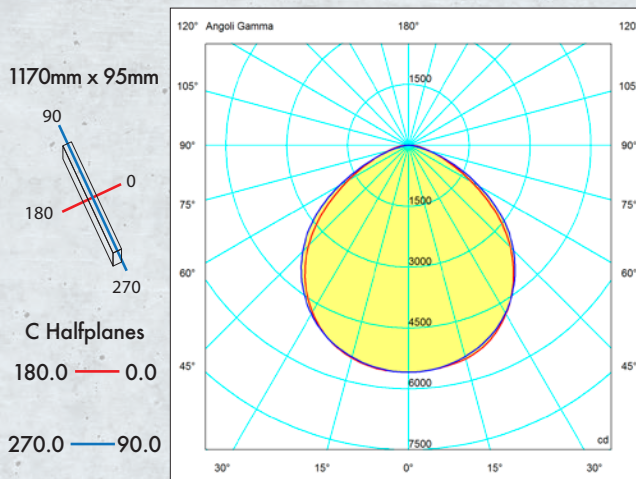
Multichip LED:	Mid power
Viewing angle:	120°
Colour temperature:	5000 K
CRI:	> 80
Instant Restrike:	SI
L90:	> 54000 hours

Flux 11050.38 lm Efficiency: 100.00%
 Maximum 390.95 cd/klm Asymmetrical
 Position C=40.00 G=1.00



Photometric curve LifEx-ME-1590

Flux 14544.33 lm Efficiency: 100.00%
 Maximum 395.91 cd/klm Asymmetrical
 Position C=170.00 G=1.00



Photometric curve LifEx-ME-12120