

# Life<sup>x</sup>-M



- Complete with high efficiency LED strip lights
- Low consumption
- Compact size
- Easy to install
- Zone 1, 2, 21, 22
- 5 years warranty
- IK09 (IK10 with protective cage)



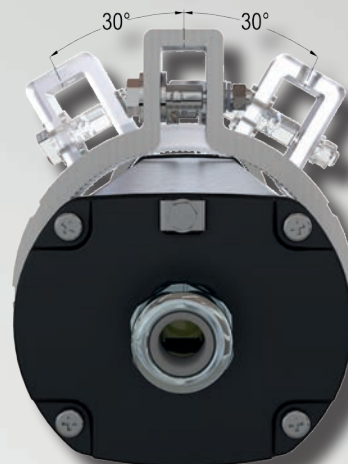
Patent Pending

*Fastening brackets adjustable*

*Aluminium alloy extrusion*



Fastening brackets with 2 holes  
M8, adjustable 0° to ±30°  
"Technology"



*Metal cable glands*

# LifEx-M series Linear LED lighting fixture in aluminum

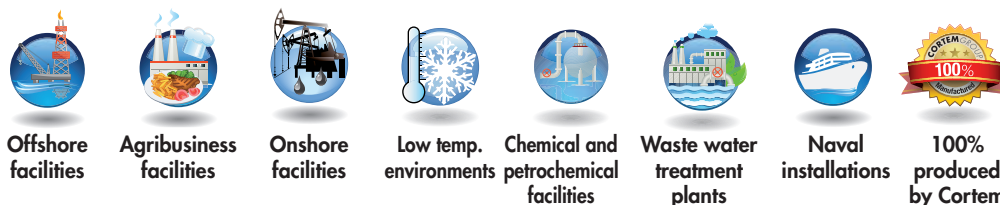
LifEx-M lighting fixtures are the first LED native linear fixtures, featuring an innovative design, created in response to customer requirements.

The product architecture has been carefully designed. The aim is to manage the full product lifecycle optimally as part of a circular economy, and maximise the product's useful life. The result is a compact, lightweight lighting fixture that is easy to install, while also being robust and long lasting.

They feature a high-quality anodised aluminium body and a glass diffuser which is resistant to impact and high temperatures. They have an innovative bracket mechanism, with no fixed interaxis spacing limitations, which makes them easy to install or retrofit and means the lighting fixture can be rotated to  $-30^{\circ}/0^{\circ}/+30^{\circ}$ . The LifEx range comes in different lengths with a wide array of voltage and power specifications. The range has been optimally designed and certified according to the installation zone and, in addition to passing all tests required by the regulations, it has passed additional mechanical and electrical tests such as vibration testing, IP66, soft start, surge testing and more.

The use of high-power LED strip lights provides a lumen output from 1,000 lm to 15,500 lm, making the range highly efficient and long lasting in terms of its electronics and light engineering.

## Sectors of application:



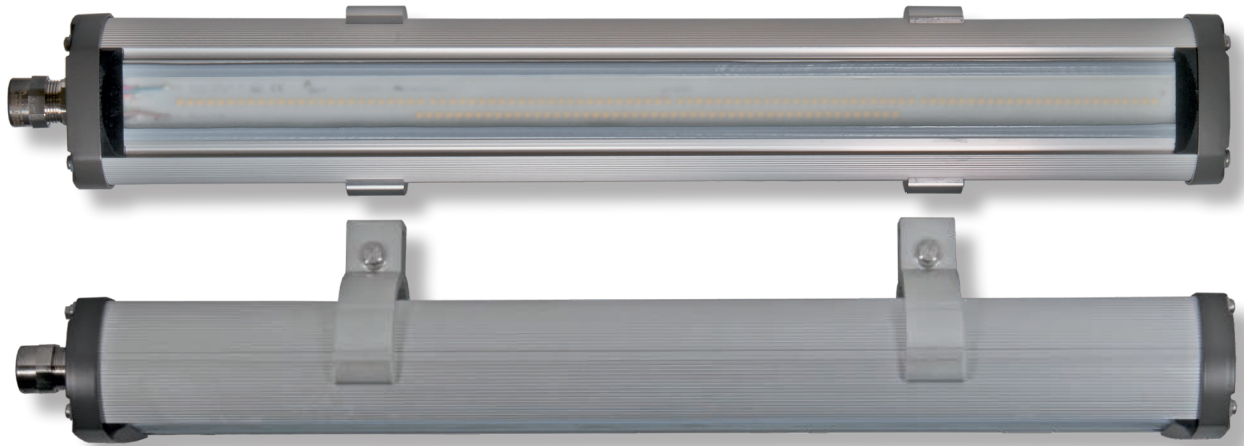
## CERTIFICATE DATA

|                                  |   |                                   |   |
|----------------------------------|---|-----------------------------------|---|
| <b>Classification:</b>           | Group II  | Category 2GD/3G                   |   |
| <b>Installation:</b> EN 60079.14 | zone 1, 2, 21, 22<br><i>LifEx-ME</i>  | zone 2, 21, 22<br><i>LifEx-MN</i> |   |
| <b>Marking:</b>                  | CE  II 2GD - Ex db eb mb IIC T.. Gb - Ex tb IIIC T..°C Db - IP66  |                                   | <i>LifEx-ME</i>   |
|                                  | CE  II 3G - Ex ec IIC T.. Gc<br>CE  II 2D - Ex tb IIIC T..°C Db - IP66  |                                   | <i>LifEx-MN</i>   |
| <b>Certificate:</b>              | ATEX  |                                   | <i>LifEx-ME</i>   |
|                                  | ATEX  |                                   | <i>LifEx-MN</i>   |
|                                  | IEC Ex  |                                   |   |
|                                  | UKEX  |                                   |   |
|                                  | INMETRO   |                                   |   |
|                                  | UL PENDING  |                                   |   |
| <b>Standards:</b>                | CENELEC EN60079-0: 2018, EN60079-1: 2014, EN60079-7: 2015, EN60079-18: 2015, EN60079-31: 2014, EN60598-2-22 and EUROPEAN DIRECTIVE 2014/34/EU<br>IEC60079-0: 2017, IEC60079-1: 2014, IEC60079-18: 2014, IEC60079-31: 2013, IEC60079-7: 2015<br>European Directive 2004/108 Electromagnetic compatibility<br>European Directive 2012/19/UE, 2002/96/CE, 2003/108/CE WEEE<br>European Directive 2011/65/UE RoHS |                                   |   |
| <b>Temperature class:</b>        | For all permitted ambient temperature classes, please see the "Selection tables"  |                                   |   |
| <b>Ambient temperature:</b>      | -60°C for models without a battery<br>-20°C or -60°C* for versions with a battery   |                                   | For all permitted ambient temperature ranges, please see the "Selection tables" |
| <b>Degree of protection:</b>     | IP66  |                                   |   |



\* Emergency lighting fixture with special battery for -60°C

## LifEx-M series Linear LED lighting fixture in aluminum



### MECHANICAL FEATURES

|                        |  |
|------------------------|--|
| <b>Body:</b>           | Aluminium alloy extrusion and end caps, resistant to atmospheric and marine corrosion  |
| <b>Clear part:</b>     | Tempered glass resistant to shocks, impact and UV rays   |
| <b>Gaskets:</b>        | Acid and hydrocarbon resistant silicone  |
| <b>Internal frame:</b> | Aluminium extrusion  |
| <b>Screws:</b>         | Stainless steel  |
| <b>Entry points:</b>   | Max. 4 entries Ø25.5. Standard version with 2 holes Ø20.5 side (1) complete with 1 NAV20IB and 1 PLG11B. For the other versions, plugs and cable glands are on request |
| <b>Assembly:</b>       | Fastening brackets for M8 holes, adjustable 0° to ±30°   |

### ELECTRICAL FEATURES

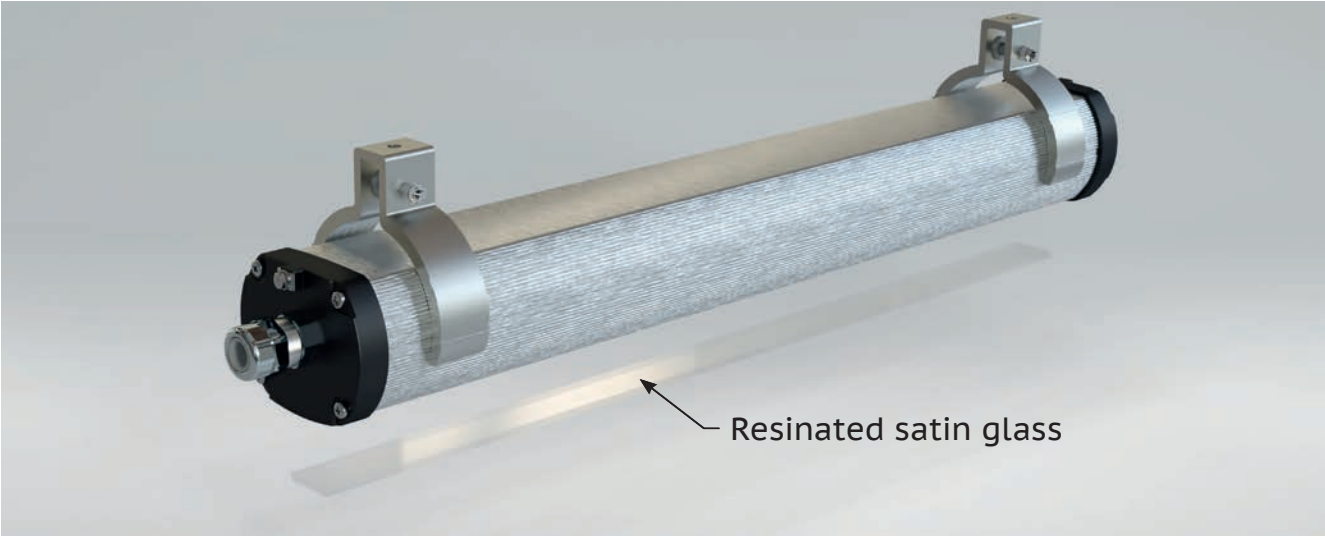
|                         |   |
|-------------------------|---|
| <b>Power unit:</b>      | Electronic  |
| <b>Rated voltage:</b>   | 110-277 Vac (for more information, see the Selection tables)  |
| <b>Rated frequency:</b> | 50/60 Hz  |
| <b>Connection:</b>      | Directly to the terminal board L, N, Pe cross sec. max. 4 mm <sup>2</sup> jumpered terminal board suitable for in-out from a single side              |
| <b>Emergency unit:</b>  | Electronic inverter 110/277 Vac 50/60 Hz, 110/270 Vdc. Batteries Ni/Mh, 1.8 Ah or 3 Ah, 6V<br>Battery charging monitored by high luminosity green LED |
| <b>Cabling:</b>         | Rigid cables for high temperatures  |

### ACCESSORIES UPON REQUEST / SPECIAL REQUESTS

Pole fastening mechanism  
Cage  
Coloured LED strip lights  
Emergency lighting fixture with battery box to facilitate battery maintenance/replacement operations (example code: LifEx-ME-1230N-AE)  
Emergency lighting fixture with battery heater (internal component) for ambient temperatures of -60°C, supplied voltage 230Vac. (example code: LifEx-ME-1230NH)  
Connection through wiring (code example: LifEx-ME-1230-AAT)  
Dimming of lighting fixtures with DALI standard (Contact our Sales Office for availability)  
Driver multirange  
Vdc voltage range  
Cable gland and plugs  
Electrical connectors

# LifEx-M series Linear LED lighting fixture in aluminum

The LifEx is a range of tubular LED lighting fixtures that are available in two different configurations for different applications, designated as the **LifEx-ME** and **LifEx-MN**.



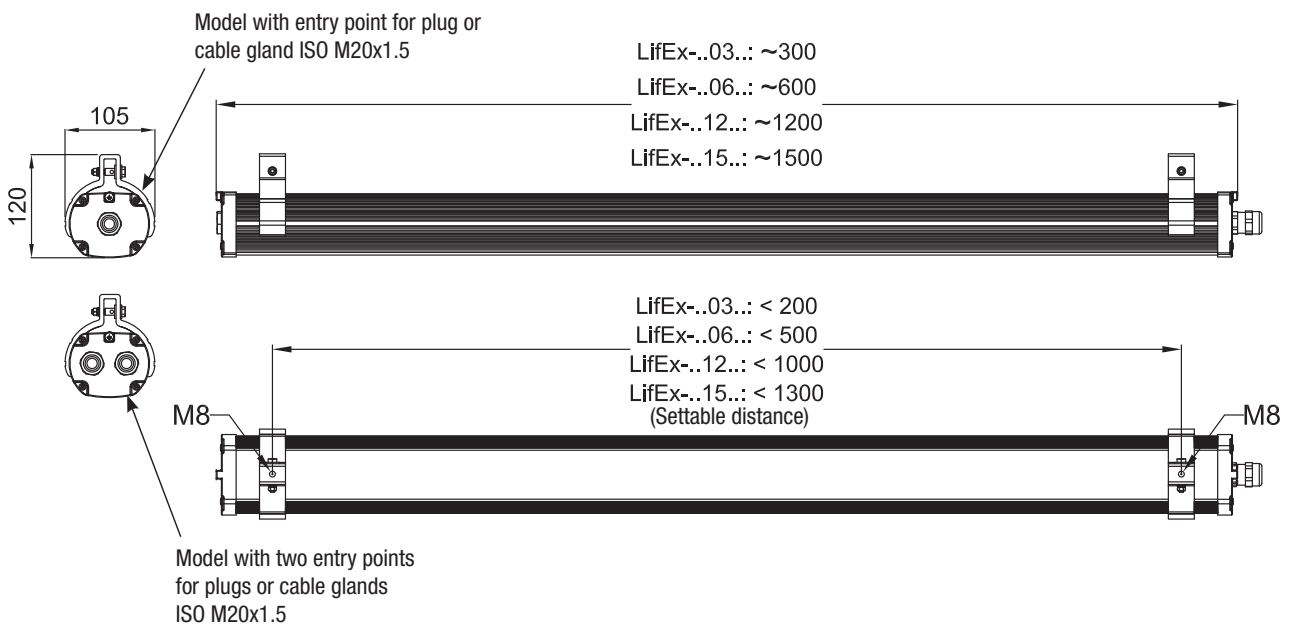
## LifEx-ME

The "ME" versions are designed to be used in ATEX areas classified as "Zone 1-2" and "Zone 21-22", that is where the equipment installed must guarantee a high level of protection both in the presence of mixtures of gases, vapours and mists (Zone 1) and in the presence of combustible dusts and particles (Zone 21). LifEx-ME has an EPL (Equipment Protection Level) Gb, Db. This safety is guaranteed by a combination of protection methods 'Ex db eb mb' for gas and 'Ex tb' for dust.

## LifEx-MN

The "MN" versions are designed to be used in ATEX areas classified as "Zone 2" and "Zone 21-22", that is where the equipment installed must guarantee a normal level of protection in the presence of mixtures of gases, vapours and mists (Zone 2), and a high level of protection against dusts and combustible particles (Zone 21). LifEx-MN has an EPL (Equipment Protection Level) Gc, Db. This safety is guaranteed by the 'Ex ec' protection methods for gases and 'Ex tb' for dusts.


### DIMENSIONAL DRAWING





# LifEx-M series Linear LED lighting fixture in aluminum

## Selection table.

Temperature classes and maximum surface temperatures.

| Normal operation |                 |                  |                     |   |           |           |          |                    |                         |           |  |
|------------------|-----------------|------------------|---------------------|---|-----------|-----------|----------|--------------------|-------------------------|-----------|--|
| Code             | Real power Watt | Rated power Watt | Supply voltage Volt | Temperature class / Maximum surface temperature |           |           | Lumen lm | Light intensity cd | Overall efficiency Lm/W | Weight kg | mm  |
|                  |                 |                  |                     | +40°C   | +50°C     | +60°C     |          |                    |                         |           |  |
| LifEx-ME-0315    | 13,9            | 15,0             | 220-240 Vac         | T62°C/T6  | T67°C/T6  | T77°C/T5  | 1865     | 738                | 134                     | 1,5       | 541x103x132  |
| LifEx-ME-0330    | 26,6            | 30,0             | 220-240 Vac         | T58°C/T6  | T73°C/T5  | T78°C/T4  | 3697     | 1345               | 140                     | 1,5       | 541x103x132  |
| LifEx-ME-0615    | 15,0            | 15,0             | 220-240 Vac         | T62°C/T6  | T67°C/T6  | T77°C/T5  | 2008     | 777                | 134                     | 2,5       | 840x103x132  |
| LifEx-ME-0630    | 26,2            | 30,0             | 110-277 Vac         | T85°C/T6  | T90°C/T5  | T100°C/T4 | 3677     | 1345               | 140                     | 2,5       | 840x103x132  |
| LifEx-ME-0645    | 43,5            | 45,0             | 110-277 Vac         | T88°C/T6  | T93°C/T5  | -         | 6200     | 2248               | 143                     | 2,5       | 840x103x132  |
| LifEx-ME-0660    | 54,5            | 60,0             | 110-277 Vac         | T100°C/T6                                       | -         | -         | 8011     | 2924               | 147                     | 2,5       | 840x103x132  |
| LifEx-ME-1230    | 29,0            | 30,0             | 110-277 Vac         | T65°C/T6  | T70°C/T6  | T80°C/T5  | 4112     | 1451               | 142                     | 3,5       | 1398x103x132   |
| LifEx-ME-1260    | 55,7            | 60,0             | 110-277 Vac         | T85°C/T6  | T90°C/T5  | T100°C/T4 | 8316     | 2930               | 149                     | 3,5       | 1398x103x132   |
| LifEx-ME-1290    | 79,3            | 90,0             | 120-277 Vac         | T94°C/T6  | T99°C/T4  | T109°C/T4 | 12228    | 4323               | 154                     | 3,5       | 1398x103x132   |
| LifEx-ME-12120   | 102,6           | 120,0            | 220-277 Vac         | T96°C/T5  | T101°C/T4 | -         | 16029    | 5662               | 156                     | 3,4       | 1398x103x132   |
| LifEx-ME-1590    | 78,6            | 90,0             | 120-277 Vac         | T94°C/T6  | T99°C/T4  | T109°C/T4 | 11926    | 4204               | 152                     | 4,0       | 1738x103x132   |

| Normal operation + emergency |                 |                  |                     |   |          |           |             |                           |           |  |
|------------------------------|-----------------|------------------|---------------------|---|----------|-----------|-------------|---------------------------|-----------|--|
| Code                         | Real power Watt | Rated power Watt | Supply voltage Volt | Temperature class / Maximum surface temperature |          |           | Lumen lm ** | Discharge time in minutes | Weight kg | mm  |
|                              |                 |                  |                     | +40°C   | +50°C    | +60°C     |             |                           |           |  |
| LifEx-ME-0615N               | 15,0            | 15,0             | 220-240 Vac         | T62°C/T6  | T67°C/T6 | T77°C/T5  | 980         | 90                        | 3,0       | 840x103x132  |
| LifEx-ME-0630N               | 26,2            | 30,0             | 220-240 Vac         | T85°C/T6  | T90°C/T5 | T100°C/T4 | 980         | 90                        | 3,0       | 840x103x132  |
| LifEx-ME-1230N*              | 29,0            | 30,0             | 110-277 Vac         | T65°C/T6  | T70°C/T6 | T80°C/T6  | 994         | 180                       | 4,5       | 1398x103x132   |
| LifEx-ME-1260N*              | 55,7            | 60,0             | 110-277 Vac         | T85°C/T6  | T90°C/T5 | T100°C/T4 | 994         | 180                       | 4,5       | 1398x103x132   |
| LifEx-ME-1590N*              | 78,6            | 90,0             | 120-277 Vac         | T94°C/T6  | T99°C/T4 | T109°C/T4 | 932         | 180                       | 5,0       | 1738x103x132   |

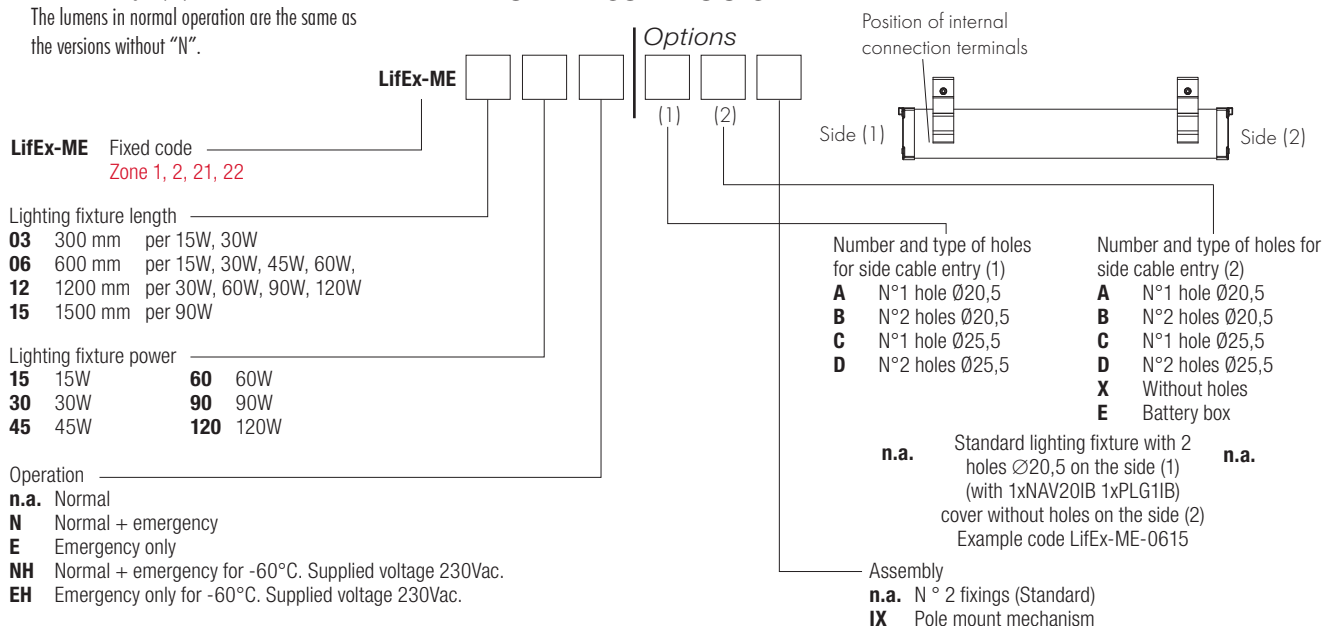
| Emergency operation only |                     |   |          |          |          |                           |           |  |  |  |
|--------------------------|---------------------|---|----------|----------|----------|---------------------------|-----------|--|--|--|
| Code                     | Supply voltage Volt | Temperature class / Maximum surface temperature |          |          | Lumen lm | Discharge time in minutes | Weight kg | mm  |  |  |
|                          |                     | +40°C   | +50°C    | +60°C    |          |                           |           |  |  |  |
| LifEx-ME-0615E*          | 110-277 Vac         | T62°C/T6  | T67°C/T6 | T77°C/T5 | 1167     | 90                        | 2,5       | 840x103x132  |  |  |
| LifEx-ME-1230E*          | 110-277 Vac         | T65°C/T6  | T70°C/T6 | T80°C/T5 | 1151     | 90                        | 3,5       | 1398x103x132   |  |  |

\* Models with emergency feature available -60°C

\*\* Lumen in emergency operation.

The lumens in normal operation are the same as the versions without "N".

## ORDER CODE LOGIC



# LifEx-M series Linear LED lighting fixture in aluminum

## Selection table.

Temperature classes and maximum surface temperatures.

| Normal operation |                 |                  |                     |                             |          |           |          |                    |                         |           |              |
|------------------|-----------------|------------------|---------------------|-----------------------------|----------|-----------|----------|--------------------|-------------------------|-----------|--------------|
| Code             | Real power Watt | Rated power Watt | Supply voltage Volt | Maximum surface temperature |          |           | Lumen lm | Light intensity cd | Overall efficiency Lm/W | Weight kg | mm           |
|                  |                 |                  |                     | +40°C                       | +50°C    | +60°C     |          |                    |                         |           |              |
| LifEx-MN-0615    | 15,0            | 15,0             | 220-240 Vac         | T62°C/T6                    | T67°C/T6 | T77°C/T5  | 2008     | 777                | 134                     | 2,0       | 840x103x132  |
| LifEx-MN-0630    | 26,2            | 30,0             | 110-277 Vac         | T85°C/T6                    | T90°C/T5 | T100°C/T4 | 3677     | 1345               | 140                     | 2,0       | 840x103x132  |
| LifEx-MN-0645    | 43,5            | 45,0             | 110-277 Vac         | T88°C/T6                    | T93°C/T5 | -         | 6200     | 2248               | 143                     | 2,0       | 840x103x132  |
| LifEx-MN-0660    | 54,5            | 60,0             | 110-277 Vac         | T100°C/T6                   | -        | -         | 8011     | 2924               | 147                     | 2,0       | 840x103x132  |
| LifEx-MN-1230    | 29,0            | 30,0             | 110-277 Vac         | T65°C/T6                    | T70°C/T6 | T80°C/T5  | 4112     | 1451               | 142                     | 3,0       | 1398x103x132 |
| LifEx-MN-1260    | 55,7            | 60,0             | 110-277 Vac         | T85°C/T6                    | T90°C/T5 | T100°C/T4 | 8316     | 2930               | 149                     | 3,0       | 1398x103x132 |
| LifEx-MN-1290    | 79,3            | 90,0             | 120-277 Vac         | T94°C/T6                    | T99°C/T4 | T109°C/T4 | 12228    | 4323               | 154                     | 3,0       | 1398x103x132 |
| LifEx-MN-1590    | 78,6            | 90,0             | 120-277 Vac         | T94°C/T6                    | T99°C/T4 | T109°C/T4 | 11926    | 4204               | 152                     | 3,5       | 1738x103x132 |

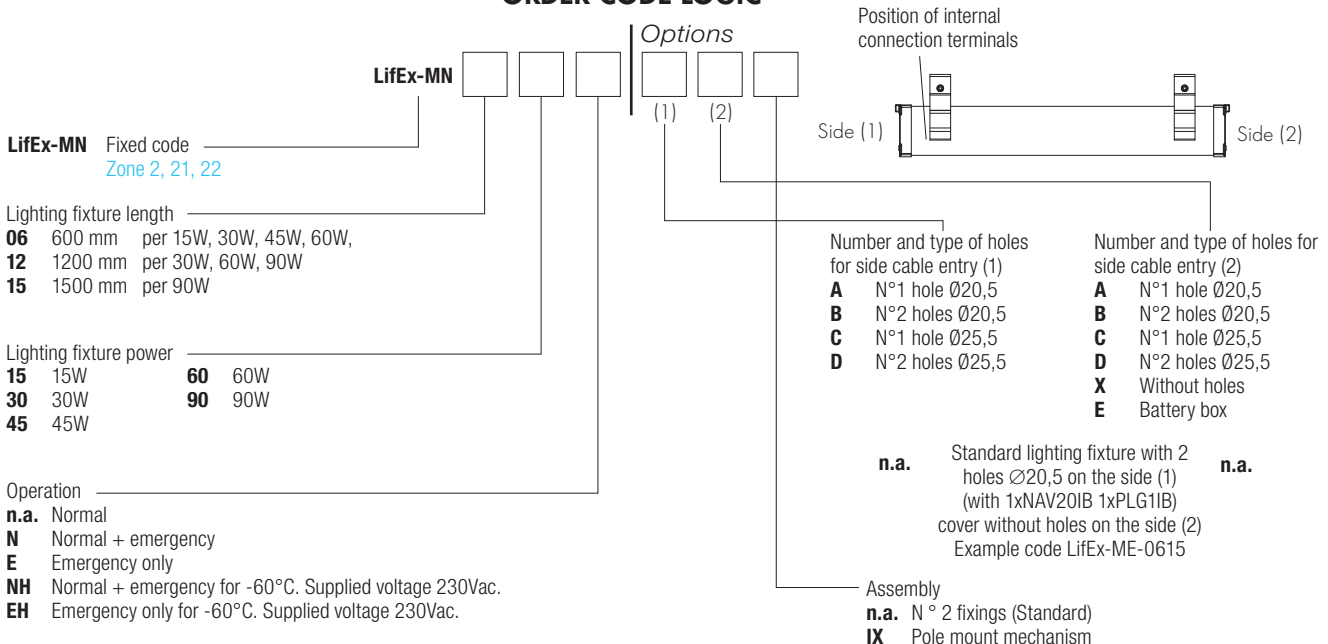
| Normal operation + emergency |                 |                  |                     |                             |          |           |          |                           |           |              |
|------------------------------|-----------------|------------------|---------------------|-----------------------------|----------|-----------|----------|---------------------------|-----------|--------------|
| Code                         | Real power Watt | Rated power Watt | Supply voltage Volt | Maximum surface temperature |          |           | Lumen lm | Discharge time in minutes | Weight kg | mm           |
|                              |                 |                  |                     | +40°C                       | +50°C    | +60°C     |          |                           |           |              |
| LifEx-MN-0615N               | 15,0            | 15,0             | 220-240 Vac         | T62°C/T6                    | T67°C/T6 | T77°C/T5  | 980      | 90                        | 3,0       | 840x103x132  |
| LifEx-MN-0630N               | 26,2            | 30,0             | 220-240 Vac         | T85°C/T6                    | T90°C/T5 | T100°C/T4 | 980      | 90                        | 3,0       | 840x103x132  |
| LifEx-MN-1230N*              | 29,0            | 30,0             | 110-277 Vac         | T65°C/T6                    | T70°C/T6 | T80°C/T5  | 994      | 180                       | 4,5       | 1398x103x132 |
| LifEx-MN-1260N*              | 55,7            | 60,0             | 110-277 Vac         | T85°C/T6                    | T90°C/T5 | T100°C/T4 | 994      | 180                       | 4,5       | 1398x103x132 |
| LifEx-MN-1590N*              | 78,6            | 90,0             | 120-277 Vac         | T94°C/T6                    | T99°C/T4 | T109°C/T4 | 932      | 180                       | 5,0       | 1738x103x132 |

| Emergency operation only |                     |                             |          |          |          |                           |           |              |  |  |
|--------------------------|---------------------|-----------------------------|----------|----------|----------|---------------------------|-----------|--------------|--|--|
| Code                     | Supply voltage Volt | Maximum surface temperature |          |          | Lumen lm | Discharge time in minutes | Weight kg | mm           |  |  |
|                          |                     | +40°C                       | +50°C    | +60°C    |          |                           |           |              |  |  |
| LifEx-MN-0615E*          | 110-277 Vac         | T62°C/T6                    | T67°C/T6 | T77°C/T5 | 1167     | 90                        | 2,0       | 840x103x132  |  |  |
| LifEx-MN-1230E*          | 110-277 Vac         | T65°C/T6                    | T70°C/T6 | T80°C/T5 | 1151     | 90                        | 3,0       | 1398x103x132 |  |  |

\* Models with emergency feature available -60°C

\*\* The lumens in normal operation are the same as the versions without "N".

## ORDER CODE LOGIC



## LifEx-M series Linear LED lighting fixture in aluminum







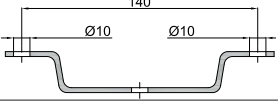


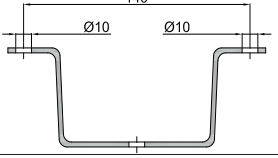


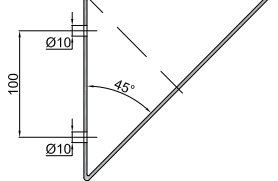


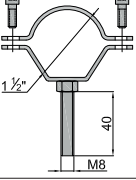












| Electrical features                  | LifEx-ME-03..   | LifEx-ME-06..    | LifEx-ME-12..     | LifEx-ME-15..    |
|--------------------------------------|---|------------------|-------------------|------------------|
| Supply voltage:                      | ..15 220-240 Vac  | ..15 220-240 Vac | ..30 110-277 Vac  | ..90 120-277 Vac |
|                                      | ..30 220-240 Vac  | ..30 110-277 Vac | ..60 110-277 Vac  | -                |
|                                      | -   | ..45 110-277 Vac | ..90 120-277 Vac  | -                |
|                                      | -   | ..60 110-277 Vac | ..120 220-277 Vac | -                |
| Rated frequency:                     | 50-60 Hz ±5%  | 50-60 Hz ±5%     | 50-60 Hz ±5%      | 50-60 Hz ±5%     |
| Lamp real power consumption:         | ..15 13,9 W   | ..15 15,0 W      | ..30 29,0 W       | ..90 78,6 W      |
|                                      | ..30 26,6 W   | ..30 26,2 W      | ..60 55,7 W       | -                |
|                                      | -   | ..45 43,5 W      | ..90 79,3 W       | -                |
|                                      | -   | ..60 54,5 W      | ..120 102,6 W     | -                |
| Connection:                          | Direct connection to terminal board L, N, Pe.<br>Section 4mm <sup>2</sup> , suitable for loop-in/loop-out |                  |                   |                  |
| Power factor:                        | ..15 0,96   | ..15 0,97        | ..30 0,93         | ..90 0,98        |
|                                      | ..30  | ..30 0,93        | ..60 0,96         | -                |
|                                      | -   | ..45 0,93        | ..90 0,98         | -                |
|                                      | -   | ..60 0,96        | ..120 0,98        | -                |
| Rated current:                       | ..15 70 mA  | ..15 70 mA       | ..30 150 mA       | ..90 350 mA      |
|                                      | ..30 150 mA   | ..30 150 mA      | ..60 250 mA       | -                |
|                                      | -   | ..45 200 mA      | ..90 350 mA       | -                |
|                                      | -   | ..60 250 mA      | ..120 500 mA      | -                |
| EMC (Electromagnetic Compatibility): | EN 55015, EN 61547, IEC 61000-3-2, IEC 61000-3-3  |                  |                   |                  |
| THD (Total Harmonic Distortion):     | <4% 230 Vac, 50 Hz  |                  |                   |                  |
| Over-voltage protection:             | 1 kV  | 1 kV             | ..30 1 kV         | 4 kV             |
|                                      |   |                  | ..60 1 kV         |                  |
|                                      |   |                  | ..90 4 kV         |                  |
|                                      |   |                  | ..120 4 kV        |                  |
| Driver performance levels:           | Over-Voltage Protection, Over-Current Protection, Short-Circuit Protection                                |                  |                   |                  |
| Dimmer (on request):                 | 0-10V PWM   |                  |                   |                  |
| <b>Photometric features</b>          |   |                  |                   |                  |
| Multichip LED:                       | Mid power   |                  |                   |                  |
| Viewing angle:                       | 120°  |                  |                   |                  |
| Colour temperature:                  | 5000 K  |                  |                   |                  |
| CRI:                                 | >80   |                  |                   |                  |
| Instant Restrike:                    | YES   |                  |                   |                  |
| L90:                                 | > 54000 hours   |                  |                   |                  |

## LifEx-M series Linear LED lighting fixture in aluminum

















| Electrical features                  | LifEx-MN-06..   | LifEx-MN-12..    | LifEx-MN-15..    |
|--------------------------------------|---|------------------|------------------|
| Supply voltage:                      | ..15 220-240 Vac  | ..30 110-277 Vac | ..90 120-277 Vac |
|                                      | ..30 110-277 Vac  | ..60 110-277 Vac | -                |
|                                      | ..45 110-277 Vac  | ..90 120-277 Vac | -                |
|                                      | ..60 110-277 Vac  | -                | -                |
|                                      | -   | -                | -                |
| Rated frequency:                     | 50-60 Hz ±5%  | 50-60 Hz ±5%     | 50-60 Hz ±5%     |
| Lamp real power consumption:         | ..15 15,0 W   | ..30 30,2 W      | ..90 80,3 W      |
|                                      | ..30 31,5 W   | ..60 56,9 W      | -                |
|                                      | ..45 45,1 W   | ..90 80,4 W      | -                |
|                                      | ..60 58,1 W   | -                | -                |
|                                      | -   | -                | -                |
| Connection:                          | Direct connection to terminal board L, N, Pe.<br>Section 4mm <sup>2</sup> , suitable for loop-in/loop-out |                  |                  |
| Power factor:                        | ..15 0,97   | ..30 0,93        | ..90 0,98        |
|                                      | ..30 0,93   | ..60 0,96        | -                |
|                                      | ..45 0,93   | ..90 0,98        | -                |
|                                      | ..60 0,96   | -                | -                |
|                                      | -   | -                | -                |
| Rated current:                       | ..15 70 mA  | ..30 150 mA      | ..90 350 mA      |
|                                      | ..30 150 mA   | ..60 250 mA      | -                |
|                                      | ..45 200 mA   | ..90 350 mA      | -                |
|                                      | ..60 250 mA   | -                | -                |
|                                      | -   | -                | -                |
| EMC (Electromagnetic Compatibility): | EN 55015, EN 61547, IEC 61000-3-2, IEC 61000-3-3  |                  |                  |
| THD (Total Harmonic Distortion):     | <8% 230 Vac, 50 Hz  |                  |                  |
| Over-voltage protection:             | 1kV   |                  |                  |
| Driver performance levels:           | Over-Voltage Protection, Over-Current Protection, Short-Circuit Protection                                |                  |                  |
| <b>Photometric features</b>          |   |                  |                  |
| Multichip LED:                       | Mid power   |                  |                  |
| Viewing angle:                       | 120°  |                  |                  |
| Colour temperature:                  | 5000 K  |                  |                  |
| CRI:                                 | >80   |                  |                  |
| Instant Restrike:                    | YES   |                  |                  |
| L90:                                 | > 54000 hours   |                  |                  |



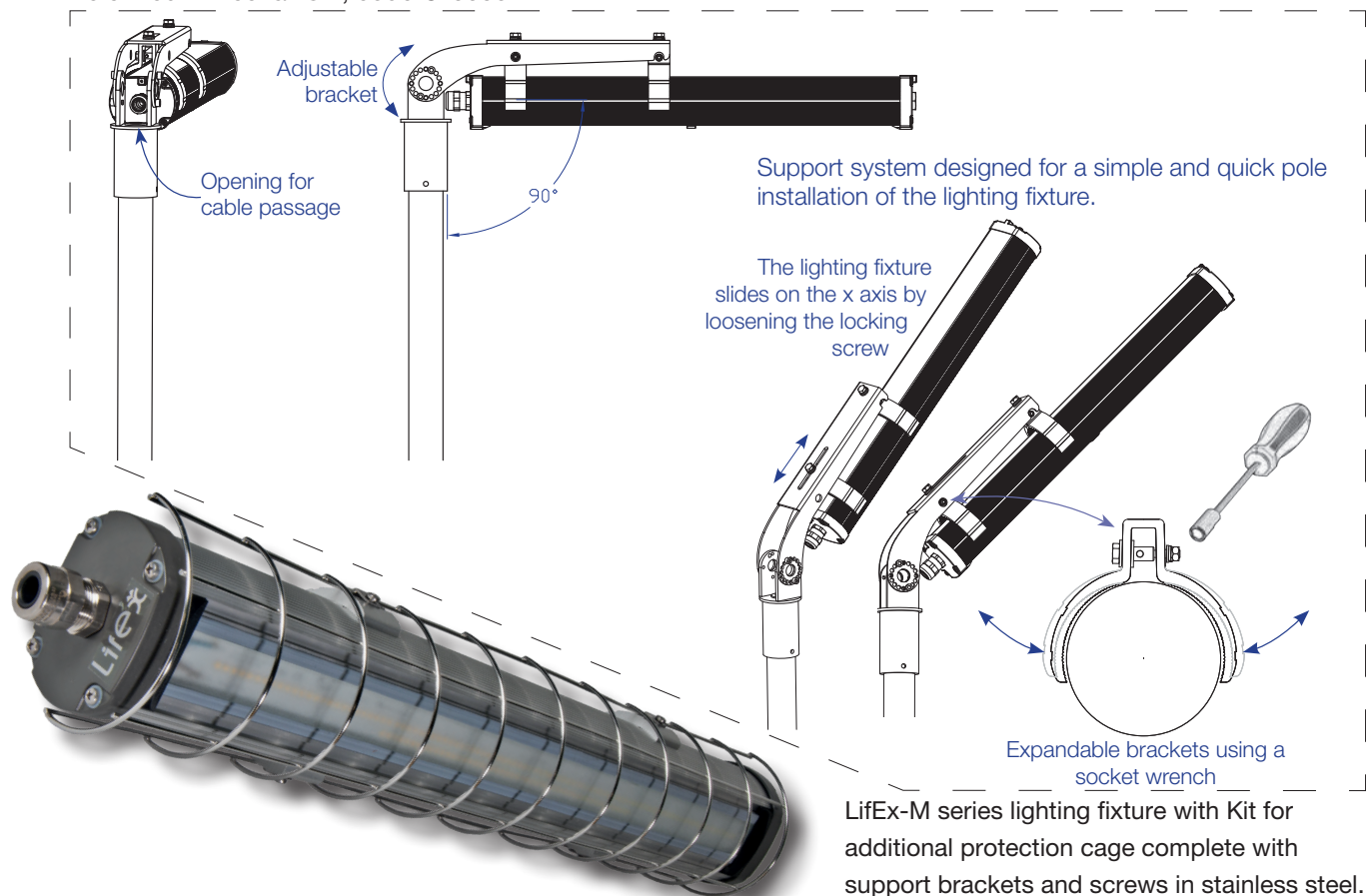
## LifEx-M series Linear LED lighting fixture in aluminum

| ILLUSTRATION   | DESCRIPTION   | MODEL  | FEATURES   | CODE                   | KEY   |
|--|---|--|--|------------------------|---|
|   | Rod   | Length:<br>250 mm  | Material:<br>stainless steel                                     | <b>BRF8MIN/250</b>     |       |
|   | O-type eye bolt   |  | Material:<br>galvanized steel                                    | <b>GOF-8</b>           |       |
|   | Bracket type U<br>complete with screws                                |  | Material<br>bracket: galvanized steel<br>screws: stainless steel | <b>G-0609</b>          |       |
|   | Bracket type V<br>complete with screws                                |  | Material<br>bracket: galvanized steel<br>screws: stainless steel | <b>G-0610</b>          |       |
|   | Bracket type D<br>complete with screws                                |  | Material<br>bracket: galvanized steel<br>screws: stainless steel | <b>G-0611</b>          |       |
|    | Bracket type P  |  | Material:<br>galvanized steel                                    | <b>G-0480</b>          |       |
|   | Cable gland   |  |  |                        |   |
|   | Resinated electronic<br>power unit                                    | LifEx-ME-0315<br>LifEx-M..-0615<br>LifEx-MN-0615N..  |  | <b>EBM-30L/350</b>     |    |
|  |   | LifEx-ME-0330<br>LifEx-MN-0630N..  |  | <b>EBM-30L/700</b>     |   |
|  |   | LifEx-M..-0630<br>LifEx-M..-0645<br>LifEx-M..-0660<br>LifEx-M..-1230<br>LifEx-M..-1260<br>LifEx-M..-1290<br>LifEx-M..-1590<br>LifEx-ME-12120 |  | <b>EBM-100L/350</b>    |   |
|  |   | LifEx-ME-1230..<br>LifEx-ME-1260..<br>LifEx-ME-1590..  |  |                        |   |
|  |   | LifEx-MN-1230N..<br>LifEx-MN-1260N..<br>LifEx-MN-1590N..   |  |                        |   |
|  |   | LifEx-ME-0615N..   |  | <b>EBL4040-2-15N</b>   |   |
|  |   | LifEx-ME-0630N..   |  | <b>EBL4040-2-30N</b>   |   |
|  |   |  |  |                        |   |
|   | Electronic<br>power unit<br>and inverter                              | LifEx-ME-0615N..   |  | <b>EBL4040-2-15N</b>   |    |
|  |   | LifEx-ME-0630N..   |  | <b>EBL4040-2-30N</b>   |   |
| <br> | Resinated<br>inverter(LifEx-ME)<br><br>Not<br>resinated<br>(LifEx-MN) | LifEx-ME-1230N..<br>LifEx-ME-1260N..<br>LifEx-ME-1590N..<br>LifEx-ME-0615E..<br>LifEx-ME-1230E..   |  | <b>EIM-30L</b>         |    |
|  |   | LifEx-MN-0615N..<br>LifEx-MN-1630N..<br>LifEx-MN-1230N..<br>LifEx-MN-1260N..<br>LifEx-MN-1590N..<br>LifEx-MN-0615E..<br>LifEx-MN-1230E..     |  | <b>INVERTER/LED/NM</b> |   |

## LifEx-M series Linear LED lighting fixture in aluminum

| ILLUSTRATION  | DESCRIPTION             | MODEL   | FEATURES   | CODE                | KEY   |
|---|-------------------------|---|--|---------------------|---|
|    | Battery for -60°C       | Duration 180 minutes                                      | 3 Ah   | <b>G-0698</b>       |    |
|    | Battery unit            | LifEx-M...-...E<br>LifEx-ME-06-...N                       | NiMH, 1.8Ah  | <b>G-1096/B</b>     |    |
|    |                         | LifEx-MN-06...N<br>LifEx-M...-12...N<br>LifEx-M...-15...N | NiMH, 3Ah  | <b>G-1097/F</b>     |   |
|    | Battery box             | Duration 180 minutes                                      | 3 Ah   | <b>G-0707/3AH</b>   |    |
|   |                         | Duration 90 minutes                                       | 1.8 Ah   | <b>G-0707/1.8AH</b> |   |
|    | Pole bracket<br>Ø1 1/2" | LifEx-M....   | Material:<br>galvanized steel  | <b>G-0686</b>       |       |
|   | Protective cage<br>kit  | LifEx-M...-03...  | Material:<br>Stainless steel AISI 316L<br>with electropolishing<br>treatment | <b>G01-0675</b>     |     |
|   |                         | LifEx-M...-06...  |  | <b>G1-0675</b>      |   |
|   |                         | LifEx-M...-12...  |  | <b>G2-0675</b>      |   |
|   |                         | LifEx-M...-15...  |  | <b>G3-0675</b>      |   |
|  | Electrical connectors   | LifEx-M....   |  | <b>FASTEX...</b>    |   |

### Pole mount mechanism, code G-0686

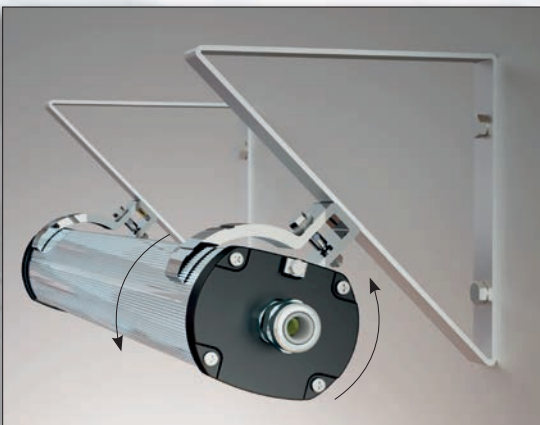


# LifEx-M series Linear LED lighting fixture in aluminum

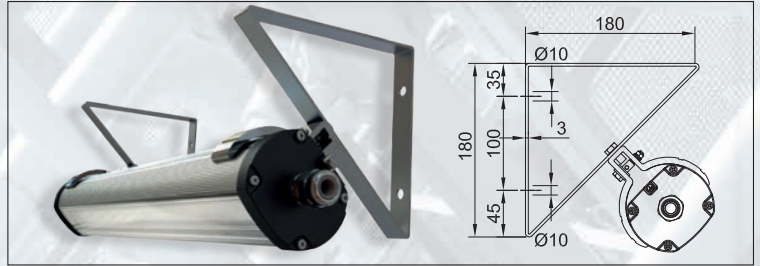
## Typical assemblies with installation accessories



Pole mount mechanism with adjustable bracket



Adjustable 0° to ±30°



45° corner mount TYPE "D"



Ceiling mount, tall model TYPE "U"



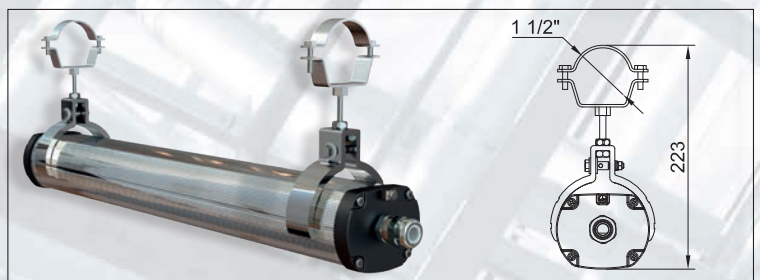
Ceiling mount, tall model TYPE "V"



Suspended mount with eye bolt TYPE "O"



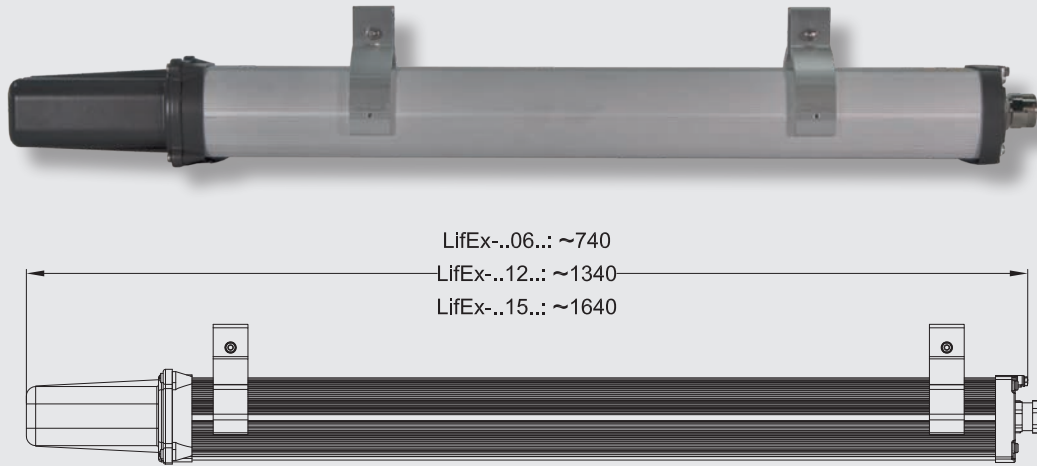
Ceiling mount with 250 mm rod



Mount with metal clamps 1 1/2" TYPE "P"

# LifEx-M series Linear LED lighting fixture in aluminum

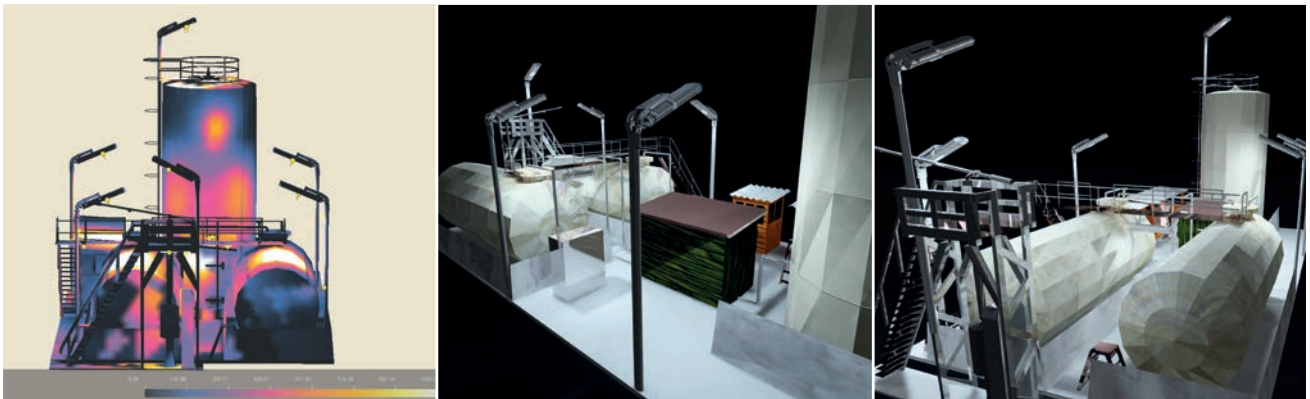
**Emergency lighting fixture with battery box**  
Version to facilitate battery maintenance/replacement operations.



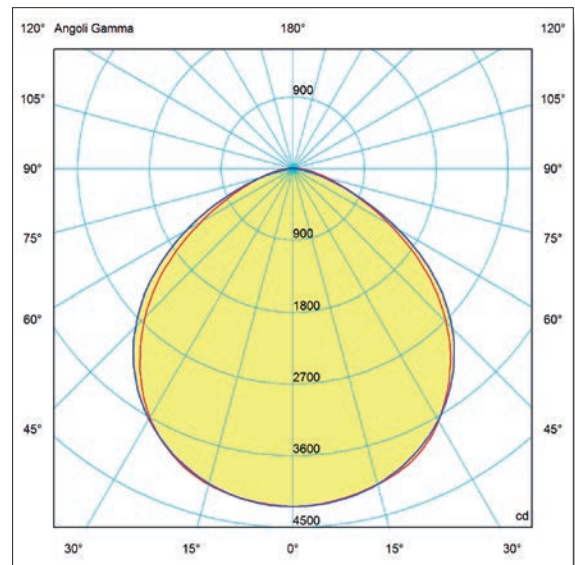
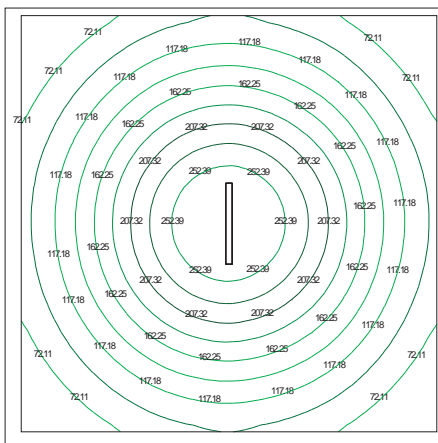
Versions available with cable entry in SIDE 1 only

Possible codes:  
LifEx-M...-AE  
LifEx-M...-BE  
LifEx-M...-CE  
LifEx-M...-DE

## Example of light engineering study performed with LifEx lighting fixtures.



Floor lighting relating to **LifEx-ME-1590** expressed in lux in a room 6 m x 6 m with fixture at the centre at a height of **3.5 cm**.



The lighting solution files for the design, planning and simulation of lighting levels in 2D-3D, rendering and ray-tracing are available from

— = level 90270  
— = level 0180