



- Suitable for wall, ceiling and suspended mounting
- Available with DALI or ILS technology
- Emergency exit signs with suspended panel so that they can be read from both sides
- Large recognition distance  $d \geq 30$  m
- Lightweight, robust and compact design

E2

WebCode **6102A**



C-LUX 6102 series compact light fittings can be used for normal lighting or as emergency luminaires in conjunction with escape route signs and/or with ILS for programmable use in central battery systems.

|                 | ATEX / IECEx |   |   |    |    |    |
|-----------------|--------------|---|---|----|----|----|
| Zone            | 0            | 1 | 2 | 20 | 21 | 22 |
| Installation in |              | • | • |    | •  | •  |

| Selection Table |  |                    |               |                       |                                   |          |           |
|-----------------|--|--------------------|---------------|-----------------------|-----------------------------------|----------|-----------|
| Lamp            |  | LED                |               |                       |                                   |          |           |
| Figure          | Version                                | Colour temperature | Luminous flux | Control interface     | Product Type                      | Art. No. | Weight kg |
|                 | escape downstairs, single-sided        | -                  | -             | without               | 6102/111-0100-150-0111-11-1850-D1 | 273110   | 3.570     |
|                 |  | -                  | -             | DALI                  | 6102/111-0110-170-0111-11-1850-D1 | 273125   | 3.570     |
|                 |  | -                  | -             | internal adress modul | 6102/111-0130-150-0111-11-1850-D1 | 273130   | 3.570     |
|                 | escape to the left, single-sided       | -                  | -             | without               | 6102/111-0100-150-0111-11-1850-B1 | 273108   | 3.570     |
|                 |  | -                  | -             | DALI                  | 6102/111-0110-170-0111-11-1850-B1 | 273123   | 3.570     |
|                 |  | -                  | -             | internal adress modul | 6102/111-0130-150-0111-11-1850-B1 | 273128   | 3.570     |
|                 | escape to the left/right, double-sided | -                  | -             | without               | 6102/111-0100-150-0111-11-1850-A2 | 273121   | 3.570     |
|                 |  | -                  | -             | DALI                  | 6102/111-0110-170-0111-11-1850-A2 | 273126   | 3.570     |
|                 |  | -                  | -             | internal adress modul | 6102/111-0130-150-0111-11-1850-A2 | 273131   | 3.570     |
|                 | escape to the right, single-sided      | -                  | -             | without               | 6102/111-0100-150-0111-11-1850-A1 | 273107   | 3.570     |
|                 |  | -                  | -             | DALI                  | 6102/111-0110-170-0111-11-1850-A1 | 273122   | 3.570     |
|                 |  | -                  | -             | internal adress modul | 6102/111-0130-150-0111-11-1850-A1 | 273127   | 3.570     |
|                 | escape upstairs, single-sided          | -                  | -             | without               | 6102/111-0100-150-0111-11-1850-C1 | 273109   | 3.570     |
|                 |  | -                  | -             | DALI                  | 6102/111-0110-170-0111-11-1850-C1 | 273124   | 3.570     |
|                 |  | -                  | -             | internal adress modul | 6102/111-0130-150-0111-11-1850-C1 | 273129   | 3.570     |

## Selection Table

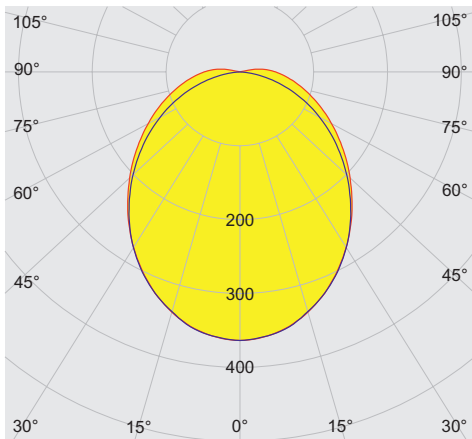
| Lamp   |                              | LED                |               |                        |                                   |          |           |
|--------|------------------------------|--------------------|---------------|------------------------|-----------------------------------|----------|-----------|
| Figure | Version                      | Colour temperature | Luminous flux | Control interface      | Product Type                      | Art. No. | Weight kg |
|        | with deflection optics 0-60° | 5000 K             | 490 lm        | without                | 6102/111-0100-150-0111-11-A850-00 | 273104   | 3.050     |
|        |                              | 5000 K             | 490 lm        | DALI                   | 6102/111-0110-170-0111-11-A850-00 | 273105   | 3.050     |
|        |                              | 5000 K             | 490 lm        | internal address modul | 6102/111-0130-150-0111-11-A850-00 | 273106   | 3.050     |
|        | with diffuser 2 x 40°        | 5000 K             | 600 lm        | without                | 6102/111-0100-150-0111-11-4850-00 | 270457   | 3.000     |
|        |                              | 5000 K             | 600 lm        | DALI                   | 6102/111-0110-170-0111-11-4850-00 | 270458   | 3.000     |
|        |                              | 5000 K             | 600 lm        | internal address modul | 6102/111-0130-150-0111-11-4850-00 | 270571   | 3.000     |
|        | without diffuser 15°         | 5000 K             | 775 lm        | without                | 6102/111-0100-150-0111-11-0850-00 | 274675   | 2.930     |
|        |                              | 5000 K             | 775 lm        | DALI                   | 6102/111-0110-170-0111-11-0850-00 | 274676   | 2.930     |
|        |                              | 5000 K             | 775 lm        | internal address modul | 6102/111-0130-150-0111-11-0850-00 | 274677   | 2.930     |

## Technical Data

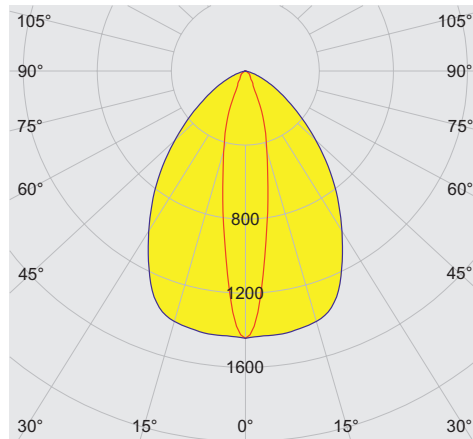
| Variant                             | Control interface: DALI  | Control interface: internal address modul  | Control interface: without   |
|-------------------------------------|--|--|--|
| <b>Explosion Protection</b>         |  |  |  |
| IECEX gas explosion protection      | Ex db eb ib op is IIC T4 Gb  | Ex db eb ib op is IIC T4 Gb  | Ex db eb ib op is IIC T4 Gb  |
| IECEX dust explosion protection     | Ex tb op is IIIC T100 °C Db  | Ex tb op is IIIC T100 °C Db  | Ex tb op is IIIC T100 °C Db  |
| ATEX gas explosion protection       | ⊕ II 2 G Ex db eb ib op is IIC T4 Gb   | ⊕ II 2 G Ex db eb ib op is IIC T4 Gb   | ⊕ II 2 G Ex db eb ib op is IIC T4 Gb   |
| ATEX dust explosion protection      | ⊕ II 2 D Ex tb op is IIIC T100 °C Db   | ⊕ II 2 D Ex tb op is IIIC T100 °C Db   | ⊕ II 2 D Ex tb op is IIIC T100 °C Db   |
| Certificates                        | ATEX (IBE), IECEx (IBE)  | ATEX (IBE), IECEx (IBE)  | ATEX (IBE), IECEx (IBE)  |
| <b>Electrical Data</b>              |  |  |  |
| Frequency range                     | 50 – 60 Hz   | 50 Hz  | 50 – 60 Hz   |
| Operating voltage AC                | 100...240 V ± 10%  | 220...240V±10% (with integrated address module)  | 100...240 V ± 10%  |
| Operating voltage AC max.           | 264 V  | 264 V (with integrated address module)   | 264 V  |
| Operating voltage DC                | 100...250 V ± 10%  | 194...250 V (with integrated address module)   | 100...250 V ± 10%  |
| Operating voltage DC max.           | 275 V  | 275 V  | 275 V  |
| <b>Ambient Conditions</b>           |  |  |  |
| Ambient temperature                 | -40°C ... +50°C Note: Through wiring max. 3x16 A<br>-40°C ... +60°C Note: Through wiring 2 max. 3x10 A | -30°C ... +50°C Note: Through wiring max. 3x16 A<br>-30°C ... +60°C Note: Through wiring 2 max. 3x10 A | -40°C ... +50°C Note: Through wiring max. 3x16 A<br>-40°C ... +60°C Note: Through wiring 2 max. 3x10 A |
| <b>Lighting Data</b>                |  |  |  |
| Lamp                                | LED  | LED  | LED  |
| Colour temperature                  | 5000 K   | 5000 K   | 5000 K   |
| Colour rendering                    | ≥ 80   | ≥ 80   | ≥ 80   |
| Light colour                        | Cool white   | Cool white   | Cool white   |
| <b>Mechanical Data</b>              |  |  |  |
| Degree of protection IP (IEC 60598) | IP66 / IP67  | IP66 / IP67  | IP66 / IP67  |
| Silicon free                        | w/o Influence on paint wetting   | w/o Influence on paint wetting   | w/o Influence on paint wetting   |
| Protection class                    | I  | I  | I  |
| Enclosure material                  | Thermoset  | Thermoset  | Thermoset  |
| Cover material                      | polycarbonate  | polycarbonate  | polycarbonate  |
| Sealing material                    | Silicone   | Silicone   | Silicone   |
| Installed terminal strip            | PE + N + L1 + L2 + L3 + D1+D2  | PE + N- + L+ + L" + N"   | PE + N + L1 + L2 + L3  |

| Technical Data                            |                            |   |                                |
|---|----------------------------|---|--------------------------------|
| Variant                                   | Control interface: DALI    | Control interface: internal address modul | Control interface: without     |
| <b>Explosion Protection</b>               |                            |   |                                |
| Connection terminals solid max.           | 6 mm <sup>2</sup>          | 6 mm <sup>2</sup>                         | 6 mm <sup>2</sup>              |
| Connection terminals finely-stranded max. | 4 mm <sup>2</sup>          | 4 mm <sup>2</sup>                         | 4 mm <sup>2</sup>              |
| Type of connection cable                  | Finely stranded<br>Solid   | Finely stranded<br>Solid                  | Finely stranded<br>Solid       |
| Impact strength (IK code)                 | IK08 (IEC 62262)           | IK08 (IEC 62262)                          | IK08 (IEC 62262)               |
| Enclosure colour                          | Light grey (RAL 7035)      | Light grey (RAL 7035)                     | Light grey (RAL 7035)          |
| Disconnection of the luminaire            | No                         | No  | No                             |
| <b>Components</b>                         |                            |   |                                |
| Threaded plate                            | 2x plastic                 | 2x plastic                                | 2x plastic                     |
| Ballast                                   | 6045/311-841-10 AC/DC DALI | 6045/312-842-10 AC/DC int. ADR            | 6045/311-840-10 AC/DC Standard |
| Through wiring                            | Loop in/loop out wiring    | Loop in/loop out wiring                   | Loop in/loop out wiring        |
| Drilled holes                             | 3 x M25                    | 3 x M25                                   | 3 x M25                        |
| Screw connections                         | 2 x M25 Ø 7 – 17 mm        | 2 x M25 Ø 7 – 17 mm                       | 2 x M25 Ø 7 – 17 mm            |
| Stopping plug                             | 2 x M25 x 1.5              | 2 x M25 x 1.5                             | 2 x M25 x 1.5                  |
| Stopping plug material                    | Polyamide, black           | Polyamide, black                          | Polyamide, black               |
| Accessories                               | Provided                   | Provided                                  | Provided                       |

### Light Distribution Curves – Subject to Alterations

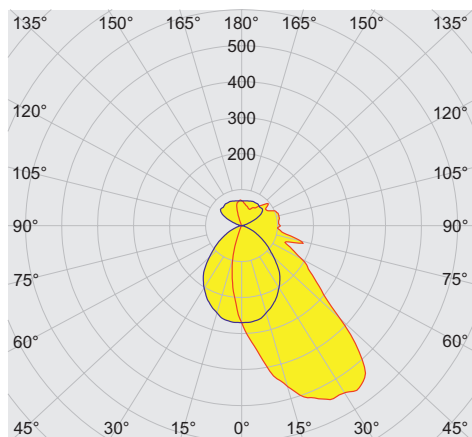


cd/klm  $\eta = 99\%$   
 — C0 - C180 — C90 - C270  
 With diffusor



cd/klm  $\eta = 98\%$   
 — C0 - C180 — C90 - C270  
 Without diffusor

E2



cd/klm η = 99%

— C0 - C180      — C90 - C270










Asymmetric

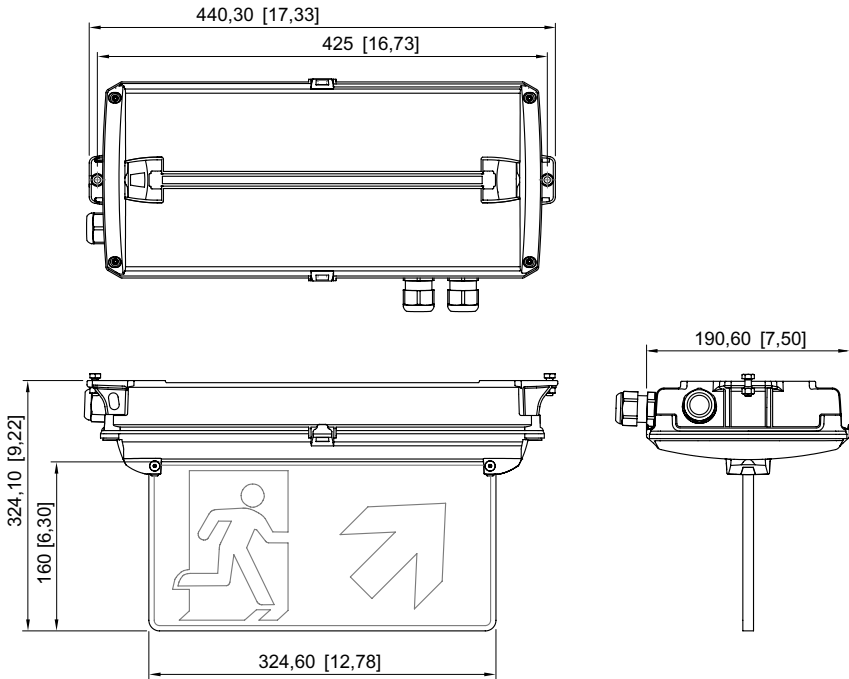
### Accessories

| Figure               | Description             | Art. No. | Weight kg |
|----------------------|-------------------------|----------|-----------|
| <b>Fastening set</b> |                         |          |           |
|                      | for chain/rope assembly | 275407   | -         |
|                      | for wall mounting       | 275408   | -         |

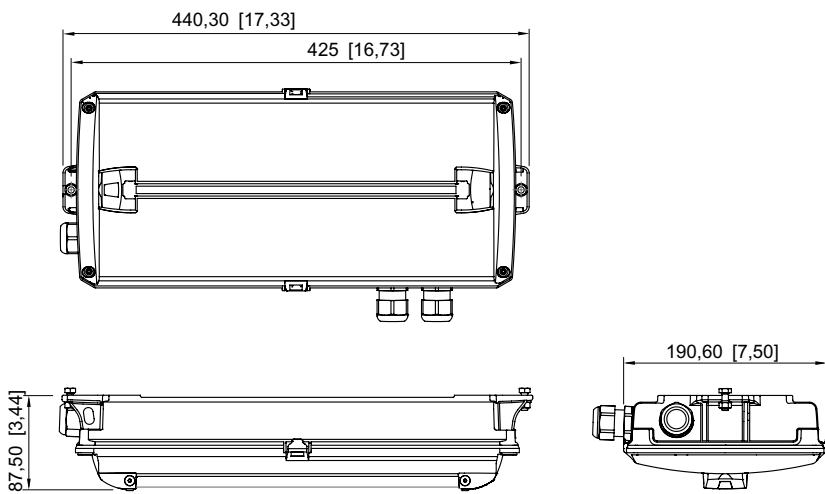
### Spare Parts

| Figure             | Description                            | Art. No. | Weight kg |
|--------------------|--|----------|-----------|
| <b>Light Panel</b> |  |          |           |
|                    | Escape route stairs, down left         | 274777   | 0.625     |
|                    | Escape route stairs, down right        | 274778   | 0.625     |
|                    | Escape route, down                     | 274776   | 0.625     |
|                    | Escape route stairs, down double-sided | 274779   | 0.625     |
|                    | Escape route, down double-sided        | 274780   | 0.625     |
|                    | Escape route left/right double-sided   | 274773   | 0.625     |

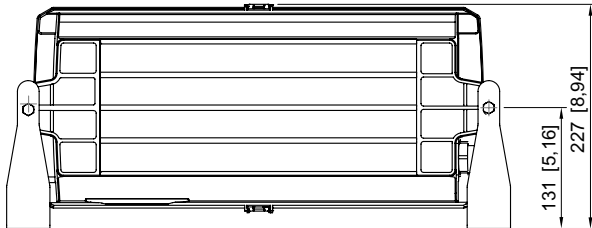
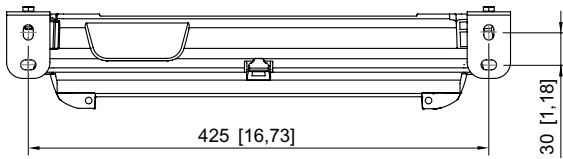
| Spare Parts   |                                      |          |           |
|---|--------------------------------------|----------|-----------|
| Figure  | Description                          | Art. No. | Weight kg |
| <b>Light Panel</b>  |                                      |          |           |
|    | Escape route, left                   | 274757   | 0.625     |
|    | Escape route, right                  | 274775   | 0.625     |
|    | Escape route stairs, up left         | 274759   | 0.625     |
|    | Escape route stairs, up right        | 274760   | 0.625     |
|    | Escape route, up                     | 274758   | 0.625     |
|  | Escape route stairs, up double-sided | 274771   | 0.625     |
|  | Escape route, up double-sided        | 274772   | 0.625     |
| <b>Optic</b>  |                                      |          |           |
|  | Deflection optics                    | 274781   | -         |
|  | Diffuser                             | 274756   | -         |



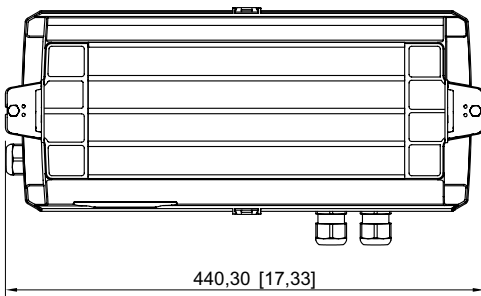
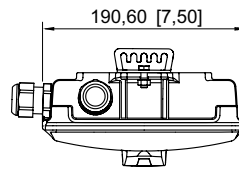
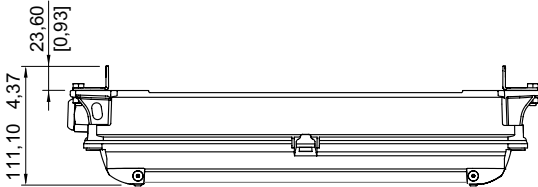
with escape sign



without escape sign



with mounting brackets



for rope/chain mounting