INNOVA

INDUSTRIAL
PLASTIC
IP66 / IP69
CUSTOMIZABLE SOLUTION
## INNOVA – industrial plastic LED light fitting

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**Innovative features:**
- IP69
- IP66
- INNOVA PC
- INNOVA NB PC
- INNOVA WB PC
- INNOVA ABS
- INNOVA NB ABS
- INNOVA WB ABS

**More info:**
- www.innova.lighting/en
- www.bim.lighting/en
INNOVA

USE
Closed and non-dismountable light fitting suitable for indoor and outdoor space (even without shelter), industrial, warehouse and agricultural buildings, sports premises, transport terminals, parking lots and garages, workshops and laboratories without explosion hazard. The structural design of the light fitting [IP69] allows even placement in food-processing industry - HACCP.

The light fitting resists dust, humidity and washing with spouting water up to 80°C. The body and the diffuser made of PC material have high mechanical resistance against impact and deformation.

Easy, fast and maximally efficient mounting is achieved when using the cables with connectors delivered by us; for more information see page 32.

Emissions in the environment of use may reduce the usability of the plastics; for more information see page 261.

ADVANTAGES
• Light fitting protection IP66 / IP69
• High temperature resistance in a range from \( t_a = -25 \) °C to \( t_a = 50 \) °C
• Lifetime: 50 000 hours / L90B10
• High mechanical resistance IK10
• Optional delivery of supply cables with connectors in specific required length
• Optional arrangement of light fittings in line without gaps
• Variable suspension pitch; optional installation of light fitting even on an existing structure on which the original light fittings were suspended
• Fully automatic 100% control of functionality and tightness (leak test) during production
• Simple and fast mounting thanks to original cables and flexible mounting pitch at the light fitting
• Easy cleaning and maintenance without need of replacing the light sources
• Eliminated risk of mechanical and electrostatic damage to LED chips
• Optional throughwiring [up to 7 wires inside the light fitting]
• Optional delivery in dimmable version
• Certificates: ESČ, ENEC, CB, HACCP

... dustproof, waterproof and impact-resistant.

www.innova.lighting/en
TECHNICAL DESCRIPTION

- Light fitting protection: IP66 / IP69
- Maximum ambient temperature: \( t_a = 50 \, ^\circ\text{C} \)
- Lifetime: 50 000 hours / L90B10
- Maximum light fitting efficiency: 142 lm/W
- CRI > 80: 4000 K – standard
- CRI > 80: 3000 K, 5000 K, 6500 K – on request
- Diffuser: translucent PC (high mechanical resistance, UV stability)
- Body: grey PC (high mechanical resistance, UV stability)
- Ventilation membrane in the base eliminating vacuum and condensate build-up
- Connectors with 3, 5 or 7 poles, wire section 1.5 or 2.5 mm²
- Cable with one connector for connection of the light fitting to the voltage source in a distance of 1 m, 3 m or in a requested length
- Interconnection cable with two connectors for mutual spacing between light fittings of 0 m, 1 m, 3 m or for requested spacing
- Optional constant luminous flux (CLO) in DALI version
- Electric equipment: LED modules, fixed output driver or DALI driver
- The package includes: stainless hooks and stainless brackets
- The values stated for power consumption and luminous flux are in a tolerance of ± 7.5%

<table>
<thead>
<tr>
<th>Type</th>
<th>Max. ambient temperature (°C)</th>
<th>Luminous flux of LED modules [lm]</th>
<th>Luminous flux of light fitting [lm]</th>
<th>Power consumption [W]</th>
<th>System efficacy [lm/W]</th>
<th>Net weight [kg]</th>
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<tr>
<td>INNOVA 1.4 ft PC 2600/840</td>
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<td>2470</td>
<td>18</td>
<td>137</td>
<td>1.5</td>
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<tr>
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<td>11000</td>
<td>9550</td>
<td>71</td>
<td>140</td>
<td>1.9</td>
</tr>
</tbody>
</table>

**TECHNICAL DESCRIPTION**

- **Up to ambient temperature** \( t_a = 50 \, ^\circ\text{C} \) - body: grey polycarbonate - diffuser: translucent polycarbonate
- **Electrical equipment**:
  - LED modules
  - Fixed output driver
  - DALI driver
- **The package includes**:
  - Stainless hooks and stainless brackets
- **The values stated for power consumption and luminous flux are in a tolerance of ± 7.5%**
**LIGHT FITTING ATTACHMENT**

a) Directly to a ceiling or a wall with the use of screws and stainless brackets  
b) Suspension with the use of stainless hooks  
c) Attachment with the use of side hangers to the wall

**VARIABLE INSTALLATION PITCH**

<table>
<thead>
<tr>
<th>MINIMUM</th>
<th>MAXIMUM</th>
</tr>
</thead>
</table>

**LIGHT FITTING INTERCONNECTION**

Easy, fast and maximally efficient mounting is achieved when using the cables with connectors delivered by us.

Interconnection of light fittings without spacing

**LIGHT FITTING DETAILED VIEW**

INNOVA

DL 06  
STUCCHI 37xx  
STUCCHI 38xx
INNOVA NB

USE

Closed and non-dismountable light fitting with Narrow Beam optics suitable for inside and outside spaces (even without shelter) intended for suspension height from 8 to 12 m, e.g. inside or outside walls and corridors of high industrial, agricultural, warehouse or sports buildings, rack aisles in warehouses, outdoor playgrounds, covered sports arenas. The structural design of the light fitting (IP69) allows even placement in food-processing industry - HACCP.

The light fitting resists dust, humidity and washing with spouting water up to 80°C. The body and the diffuser made of PC material have high mechanical resistance against impact and deformation.

Easy, fast and maximally efficient mounting is achieved when using the cables with connectors delivered by us, for more information see page 22.

Emissions in the environment of use may reduce the usability of the plastics; for more information see page 261.

ADVANTAGES

- Light fitting protection IP66 / IP69
- High temperature resistance in a range from $t_\text{min} = -25^\circ \text{C}$ to $t_\text{max} = 45^\circ \text{C}$
- Lifetime: 50,000 hours / L90B10
- High mechanical resistance IK10
- Narrow Beam [NB], ceiling height 8 to 12 m
- Optional delivery of supply cables with connectors in specific required length
- Optional arrangement of light fittings in line without gaps
- Variable suspension pitch; optional installation of light fitting even on an existing structure on which the original light fittings were suspended
- Fully automatic 100% control of functionality and tightness (leak test) during production
- Simple and fast mounting thanks to original cables and flexible mounting pitch at the light fitting
- Easy cleaning and maintenance without need of replacing the light sources
- Eliminated risk of mechanical and electrostatic damage to LED chips
- Optional throughwiring (up to 7 wires inside the light fitting)
- Optional delivery in dimmable version
- Certificates: ESČ, ENEC, CB, HACCP

www.innova.lighting/en
TECHNICAL DESCRIPTION

- Light fitting protection: IP66 / IP69
- Maximum ambient temperature: $t_a = 45^\circ C$
- Lifetime: 50 000 hours / L90B10
- Maximum light fitting efficiency: 131 lm/W
- CRI > 80: 4000 K - standard
- CRI > 90: 3000 K, 5000 K, 6500 K - on request
- Diffuser: transparent PC with Fresnel lenses, Narrow Beam (high mechanical resistance, UV stability)
- Body: grey PC (high mechanical resistance, UV stability)
- Ventilation membrane in the base eliminating vacuum and condensate build-up
- Connectors with 3, 5 or 7 poles, wire section 1.6 or 2.5 mm²
- Cable with one connector for connection of the light fitting to the voltage source in a distance of 1 m, 3 m or in a requested length
- Interconnection cable with two connectors for mutual spacing between light fittings of 0 m, 1 m, 3 m or for requested spacing
- Optional constant luminous flux (CLO) in DALI version
- Electric equipment: LED modules, fixed output driver or DALI driver
- The package includes: stainless hooks and stainless brackets
- The values stated for power consumption and luminous flux are in a tolerance of ± 7.5 %

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Up to ambient temperature $t_a = 45^\circ C$ - body: grey polycarbonate - diffuser with Fresnel lenses, NB (Narrow Beam), transparent polycarbonate</td>
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</tr>
<tr>
<td>INNOVA 1.4ft NB PC 4400/840</td>
<td>45</td>
<td>4400</td>
<td>3850</td>
<td>30</td>
<td>128</td>
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<td>1175</td>
<td>420 – 700</td>
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<td>420 – 700</td>
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<td>700 – 980</td>
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<td>129</td>
<td>1.8</td>
<td>1455</td>
<td>700 – 980</td>
</tr>
</tbody>
</table>

Example of type marking: 72223 = INNOVA 1.4ft NB PC 6400/840 1x5P DALI

LEGEND

1x3P - version with fixed output driver and 1x3P connector, individually installed / terminal luminaire in line
1x5P - version with fixed output driver and 1x5P connector, terminal luminaire in line
1x5P DALI - version with digitally dimmable driver and 1x5P connector, individually installed / terminal luminaire in line
1x7P DALI - version with digitally dimmable driver and 1x7P connector, terminal luminaire in line
2x3P - version with fixed output driver, 2x3P connectors and 3-wire throughwiring [1F], for installation in lines
2x5P - version with fixed output driver, 2x5P connectors and 5-wire throughwiring [3F], for installation in lines
2x5P DALI - version with digitally dimmable driver, 2x5P connectors and 5-wire throughwiring (DALI 1F), for installation in lines
2x7P DALI - version with digitally dimmable driver, 2x7P connectors and 7-wire throughwiring (DALI 3F), for installation in lines

Individually installed luminaire

<table>
<thead>
<tr>
<th>F connector: Female</th>
<th>M connector: Male</th>
<th>Fr: Free wire end</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="FrF-1x3P-..." /></td>
<td><img src="image" alt="INNOVA 1x3P" /></td>
<td><img src="image" alt="INNOVA 1x3P" /></td>
</tr>
</tbody>
</table>

Luminaire intended for installation in lines

| ![FrF-1x3P-...](image) | ![MF-2x3P-...](image) | ![INNOVA 2x3P](image) | ![INNOVA 2x3P](image) | ![MF-2x3P-...](image) | ![INNOVA 1x3P](image) |

Terminal luminaire

| ![FrF-1x3P-...](image) | ![MF-2x3P-...](image) | ![INNOVA 2x3P](image) | ![INNOVA 2x3P](image) | ![MF-2x3P-...](image) | ![INNOVA 1x3P](image) |
LIGHT FITTING ATTACHMENT

a) Directly to a ceiling with the use of screws and stainless brackets 
b) Suspension with the use of stainless hooks

c) Attachment with the use of side hangers to the wall

VARIABLE INSTALLATION PITCH

MINIMUM                      MAXIMUM

LIGHT FITTING INTERCONNECTION

Easy, fast and maximally efficient mounting is achieved when using the cables with connectors delivered by us.

Interconnection of light fittings without spacing

LIGHT FITTING DETAILED VIEW

INNOVA NB

DL 06                      STUCCHI 37xx                  STUCCHI 38xx
INNOVA WB

... impact-resistant, for areas with low ceilings of 2.5 – 5 m.

USE

Closed non-dismountable light fitting with Wide Beam optics, suitable for inside and outside spaces (even without shelter), intended for suspension height from 2.5 to 5 m, e.g., production premises, parking buildings and garages, workshops, cells, pedestrian underpasses and underground rooms with low ceilings. The structural design of the light fitting (IP69) allows even placement in food-processing industry - HACCP.

The light fitting resists dust, humidity and washing with spouting water up to 80°C. The body and the diffuser made of PC material have high mechanical resistance against impact and deformation.

Easy, fast and maximally efficient mounting is achieved when using the cables with connectors delivered by us, for more information see page 32.

Emissions in the environment of use may reduce the usability of the plastics; for more information see page 261.

ADVANTAGES

- Light fitting protection IP66 / IP69
- High temperature resistance in a range from $t_a = -25^\circ C$ to $t_a = 50^\circ C$
- Lifetime: 50 000 hours / L90B10
- High mechanical resistance IK10
- Wide Beam (WB), ceiling height 2.5 to 5 m
- Optional delivery of supply cables with connectors in specific required length
- Optional arrangement of light fittings in line without gaps
- Variable suspension pitch; optional installation of light fitting even on an existing structure on which the original light fittings were suspended
- Fully automatic 100% control of functionality and tightness (leak test) during production

- Simple and fast mounting thanks to original cables and flexible mounting pitch at the light fitting
- Easy cleaning and maintenance without need of replacing the light sources
- Eliminated risk of mechanical and electrostatic damage to LED chips
- Optional throughwiring (up to 7 wires inside the light fitting)
- Optional delivery in dimmable version
- Certificates: ESČ, ENEC, CB, HACCP

www.innova.lighting/en
TECHNICAL DESCRIPTION

- Light fitting protection: IP66 / IP69
- Maximum ambient temperature: ta = 50 °C
- Lifetime: 50 000 hours / L90B10
- Maximum light fitting efficiency: 131 lm/W
- CRI > 80: 3000 K, 5000 K, 6500 K – on request
- CRI > 90: 3000 K, 4000 K – on request
- Diffuser: transparent PC with Fresnel lenses, Wide Beam (high mechanical resistance, UV stability)
- Body: grey PC (high mechanical resistance, UV stability)
- Ventilation membrane in the base eliminating vacuum and condensate build-up
- Connectors with 3, 5 or 7 poles, wire section 1.5 or 2.5 mm²
- Cable with one connector for connection of the light fitting to the voltage source in a distance of 1 m, 3 m or in a requested length
- Interconnection cable with two connectors for mutual spacing between light fittings of 0 m, 1 m, 3 m or for requested spacing
- Optional constant luminous flux [CLO] in DALI version
- Electric equipment: LED modules, fixed output driver or DALI driver
- The package includes: stainless hooks and stainless brackets
- The values stated for power consumption and luminous flux are in a tolerance of ± 7.5 %

INNOVA WB PC

<table>
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Example of type marking: 72343 = INNOVA 1.4ft WB PC 6400/840 1x5P DALI

INNOVA WB

<table>
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<tr>
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<th>Diffuser with Fresnel lenses, Wide Beam, transparent polycarbonate</th>
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<td>72381</td>
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</table>

Example of type marking: 72343 = INNOVA 1.4ft WB PC 6400/840 1x5P DALI
**LEGEND**

- **1x3P** - version with fixed output driver and 1x3P connector, individually installed / terminal luminaire in line
- **1x5P** - version with fixed output driver and 1x5P connector, terminal luminaire in line
- **1x5P DALI** - version with digitally dimmable driver and 1x5P connector, individually installed / terminal luminaire in line
- **1x7P DALI** - version with digitally dimmable driver and 1x7P connector, terminal luminaire in line
- **2x3P** - version with fixed output driver, 2x3P connectors and 3-wire throughwiring [1F], for installation in lines
- **2x5P** - version with fixed output driver, 2x5P connectors and 5-wire throughwiring [3F], for installation in lines
- **2x5P DALI** - version with digitally dimmable driver, 2x5P connectors and 5-wire throughwiring (DALI 1F), for installation in lines
- **2x7P DALI** - version with digitally dimmable driver, 2x7P connectors and 7-wire throughwiring (DALI 3F), for installation in lines

**LIGHT FITTING ATTACHMENT**

- a) Directly to a ceiling with the use of screws and stainless brackets
- b) Suspension with the use of stainless hooks
- c) Attachment with the use of side hangers to the wall

**VARIABLE INSTALLATION PITCH**

**MINIMUM**

**MAXIMUM**

**LIGHT FITTING INTERCONNECTION**

Easy, fast and maximally efficient mounting is achieved when using the cables with connectors delivered by us.

Interconnection of light fittings without spacing
LIGHT FITTING DETAILED VIEW
INNOVA WB

DL 06
STUCCHI 37xx
STUCCHI 38xx
INNOVA ABS

USE
Closed non-dismountable light fitting intended for chemically challenging or agricultural premises with incidence of vapours like ammonia, lye, alkaline compounds and hot water (hydrolysis). The light fitting is suitable particularly for agricultural and industrial buildings like farms, stables, production and warehouse premises, car wash units and laboratories without explosion hazard. The structural design of the light fitting (IP69) allows even placement in food-processing industry - HACCP.

The light fitting resists dust, humidity and washing with spouting water up to 80°C. The body made of ABS material and the diffuser made of AC material have high chemical resistance.

EASY, fast and maximally efficient mounting is achieved when using the cables with connectors delivered by us; for more information see page 02.

Emissions in the environment of use may reduce the usability of the plastics; for more information see page 261.

ADVANTAGES
• Light fitting protection IP66 / IP69
• High temperature resistance in a range from $-25^\circ \text{C}$ to $50^\circ \text{C}$
• Lifetime: 50 000 hours / L90B10
• High chemical resistance
• Optional delivery of supply cables with connectors in specific required length
• Optional delivery of supply cables with connectors in specific required length
• Optional delivery of supply cables with connectors in specific required length
• Variable suspension pitch; optional installation of light fitting even on an existing structure on which the original light fittings were suspended
• Fully automatic 100% control of functionality and tightness (leak test) during production

• Simple and fast mounting thanks to original cables and flexible mounting pitch at the light fitting
• Easy cleaning and maintenance without need of replacing the light sources
• Eliminated risk of mechanical and electrostatic damage to LED chips
• Optional throughwiring (up to 7 wires inside the light fitting)
• Optional delivery in dimmable version
• Certificates: ESC, ENEC, CB, (except RED), DLG approved, HACCP

www.innova.lighting/en
**INNOVA ABS**

**TECHNICAL DESCRIPTION**

- **Light fitting protection:** IP66 / IP69
- **Maximum ambient temperature:** \( t_a = 50 \, ^\circ C \)
- **Lifetime:** 50 000 hours / L90B10
- **Maximum light fitting efficacy:** 135 lm/W
- **CRI > 80:** 4000 K – standard
- **CRI > 80:** 3000 K, 5000 K, 6500 K – on request
- **Diffuser:** translucent AC (high chemical resistance, UV stability)
- **Body:** dark grey ABS (high chemical resistance, UV stability)
- **Ventilation membrane in the base eliminating vacuum and condensate build-up**
- **Cable with one connector for connection of the light fitting to the voltage source in a distance of 1 m, 3 m or in a requested length**
- **Interconnection cable with two connectors for mutual spacing between light fittings of 0 m, 1 m, 3 m or for requested spacing**
- **Connectors with 3, 5 or 7 poles, wire section 1.5 or 2.5 mm²**
- **Optional constant luminous flux (CLO) in DAIL version**
- **Electric equipment:** LED modules, fixed output driver or DAIL driver
- **The package includes:** stainless hooks and stainless brackets
- **The values stated for power consumption and luminous flux are in a tolerance of ± 7.5%**

### Light Fitting Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>Max. ambient temperature ( t_a )</th>
<th>Luminous flux of LED modules ( [\text{lm}] )</th>
<th>Luminous flux of light fitting ( [\text{lm}] )</th>
<th>Power consumption ( [\text{W}] )</th>
<th>System efficacy ( [\text{lm/W}] )</th>
<th>Net weight ( [\text{kg}] )</th>
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<tbody>
<tr>
<td>INNOVA 1.4ft ABS 2600/840</td>
<td>50</td>
<td>2860</td>
<td>2340</td>
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**INNOVA ABS RED**

**Non-dimmable driver**

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**Digital dimmable driver DAIL**

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**INNOVA 1.4ft ABS 3200/840** = suitable replacement for T8 fl. tube light fitting PRIMA 136 – 1 × 36 W

**INNOVA 1.5ft ABS 8000/840** = suitable replacement for T8 fl. tube light fitting PRIMA 258 – 2 × 58 W
**LEGEND**

1x3P - version with fixed output driver and 1x3P connector, individually installed / terminal luminaire in line
1x5P - version with fixed output driver and 1x5P connector, terminal luminaire in line
1x5P DALI - version with digitally dimmable driver and 1x5P connector, individually installed / terminal luminaire in line
1x7P DALI - version with digitally dimmable driver and 1x7P connector, terminal luminaire in line
2x3P - version with fixed output driver, 2x3P connectors and 3-wire throughwiring (1F), for installation in lines
2x5P - version with fixed output driver, 2x5P connectors and 5-wire throughwiring (3F), for installation in lines
2x5P DALI - version with digitally dimmable driver, 2x5P connectors and 5-wire throughwiring (DALI 1F), for installation in lines
2x7P DALI - version with digitally dimmable driver, 2x7P connectors and 7-wire throughwiring (DALI 3F), for installation in lines

**RED** - design with red light module for night mode (for more information see CONCEPT RED at page 108)

---

**LIGHT FITTING ATTACHMENT**

a) Directly to a ceiling or a wall with the use of screws and stainless brackets
b) Suspension with the use of stainless hooks
c) Attachment with the use of side hangers to the wall

---

**VARIABLE INSTALLATION PITCH**

**MINIMUM**

**MAXIMUM**

---

**LIGHT FITTING INTERCONNECTION**

Easy, fast and maximally efficient mounting is achieved when using the cables with connectors delivered by us.

Interconnection of light fittings without spacing
LIGHT FITTING DETAILED VIEW

INNOVA ABS

DL 06

STUCCHI 37xx

STUCCHI 38xx
INNOVA NB ABS

USE
Closed non-dismountable light fitting intended for chemically challenging or agricultural premises with incidence of vapours like ammonia, lye, alkaline compounds and hot water (hydrolysis). Thanks to the Narrow Beam optics, it is suitable for inside spaces with high ceilings, intended for suspension height from 8 to 12 m, e.g. inside walls and corridors of high agricultural and industrial buildings, rack aisles in production and storage spaces, farms, stables and laboratories without explosion hazard. The structural design of the light fitting (IP69) allows even placement in food-processing industry - HACCP.

The light fitting resists dust, humidity and washing with spouting water up to 80 °C. The body made of ABS material and the diffuser made of AC material have high chemical resistance.

Easy, fast and maximally efficient mounting is achieved when using the cables with connectors delivered by us; for more information see page 32.

Emissions in the environment of use may reduce the usability of the plastics; for more information see page 261.

ADVANTAGES
• Light fitting protection IP66 / IP69
• High temperature resistance in a range from t_w = -25 °C to t_a = 45 °C
• Lifetime: 50,000 hours / L90B10
• High chemical resistance
• Narrow Beam [NB], ceiling height 8 to 12 m
• Optional delivery of supply cables with connectors in specific required length
• Optional arrangement of light fittings in line without gaps
• Variable suspension pitch; optional installation of light fitting even on an existing structure on which the original light fittings were suspended
• Fully automatic 100% control of functionality and tightness (leak test) during production
• Simple and fast mounting thanks to original cables and flexible mounting pitch at the light fitting
• Easy cleaning and maintenance without need of replacing the light sources
• Eliminated risk of mechanical and electrostatic damage to LED chips
• Optional throughwiring (up to 7 wires inside the light fitting)
• Optional delivery in dimmable version
• Certificates: ESČ, ENEC, CB, DLG approved, HACCP

www.innova.lighting/en
INNOVA NB ABS

TECHNICAL DESCRIPTION

- Light fitting protection: IP66 / IP69
- Maximum ambient temperature: \( t_a = 45 \, ^\circ C \)
- Lifetime: 50,000 hours / L90B10
- Maximum light fitting efficiency: 131 lm/W
- CRI > 80: 4000 K – standard
- CRI > 80: 3000 K, 5000 K, 4500 K – on request
- Diffuser: transparent AC with Fresnel lenses, Narrow Beam (high chemical resistance, UV stability)
- Body: dark grey ABS (high chemical resistance, UV stability)
- Ventilation membrane in the base eliminating vacuum and condensate build-up
- Cable with one connector for connection of the light fitting to the voltage source in a distance of 1 m, 3 m or in a requested length
- Interconnection cable with two connectors for mutual spacing between light fittings of 0 m, 1 m, 3 m or for requested spacing
- Connectors with 3, 5 or 7 poles, wire section 1.5 or 2.5 mm²
- Optional constant luminous flux (CLO) in DALI version
- Electric equipment: LED modules, fixed output driver or DALI driver
- The package includes: stainless hooks and stainless brackets
- The values stated for power consumption and luminous flux are in a tolerance of ± 7.5 %

<table>
<thead>
<tr>
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<th></th>
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<th></th>
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</thead>
<tbody>
<tr>
<td>INNOVA 1.4ft NB ABS 4400/840</td>
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<td>4440</td>
<td>5540</td>
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<td>1.5</td>
<td>1175</td>
<td>420</td>
<td>700</td>
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<tr>
<td>INNOVA 1.4ft NB ABS 6400/840</td>
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<td>6440</td>
<td>5540</td>
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<td>1.5</td>
<td>1175</td>
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<td>700</td>
</tr>
<tr>
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<td>5500</td>
<td>4850</td>
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</table>

INNOVA WB ABS

Diffuser made of translucent acrylate

<table>
<thead>
<tr>
<th>Type</th>
<th>1x3P</th>
<th>1x5P</th>
<th>1x5P DALI</th>
<th>1x7P DALI</th>
<th>2x3P</th>
<th>2x5P</th>
<th>2x5P DALI</th>
<th>2x7P DALI</th>
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</table>

Example of type marking: 72523 = INNOVA 1.4ft NB ABS 6400/840 1x5P DALI

LEGEND

- 1x3P - version with fixed output driver and 1x3P connector, individually installed / terminal luminaire in line
- 1x5P - version with fixed output driver and 1x5P connector, terminal luminaire in line
- 1x5P DALI - version with digitally dimmable driver and 1x5P connector, individually installed / terminal luminaire in line
- 1x7P DALI - version with digitally dimmable driver and 1x7P connector, terminal luminaire in line
- 2x3P - version with fixed output driver, 2x3P connectors and 3-wire throughwiring (1F), for installation in lines
- 2x5P - version with fixed output driver, 2x5P connectors and 5-wire throughwiring (3F), for installation in lines
- 2x5P DALI - version with digitally dimmable driver, 2x5P connectors and 5-wire throughwiring (DALI 1F), for installation in lines
- 2x7P DALI - version with digitally dimmable driver, 2x7P connectors and 7-wire throughwiring (DALI 3F), for installation in lines

CZECH LIGHT FITTINGS

27
**LIGHT FITTING ATTACHMENT**

a) Directly to a ceiling with the use of screws and stainless brackets  
b) Suspension with the use of stainless hooks  
c) Attachment with the use of side hangers to the wall

**VARIABLE INSTALLATION PITCH**

<table>
<thead>
<tr>
<th>MINIMUM</th>
<th>MAXIMUM</th>
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</thead>
</table>

**LIGHT FITTING INTERCONNECTION**

Easy, fast and maximally efficient mounting is achieved when using the cables with connectors delivered by us.

Interconnection of light fittings without spacing

**LIGHT FITTING DETAILED VIEW**

INNOVA NB ABS

[Images of light fittings and connectors]
INNOVA WB ABS

USE

Closed non-dismountable light fitting intended for chemically challenging or agricultural premises with incidence of vapours like ammonia, lye, alkaline compounds and hot water (hydrolysis). Thanks to the Wide Beam optics it is suitable for inside spaces with low ceilings, intended for suspension height from 2.5 to 5 m, e.g. inside walls and corridors of low agricultural and industrial buildings, workshops, corridors, cellars, farms, stables and laboratories without explosion hazard. The structural design of the light fitting (IP69) allows even placement in food-processing industry - HACCP.

The light fitting resists dust, humidity and washing with spouting water up to 80 °C. The body made of ABS material and the diffuser made of AC material have high chemical resistance.

Easy, fast and maximally efficient mounting is achieved when using the cables with connectors delivered by us; for more information see page 32.

Emissions in the environment of use may reduce the usability of the plastics; for more information see page 261.

ADVANTAGES

- Light fitting protection IP66 / IP69
- High temperature resistance in a range from t₀ = -25 °C to t₀ = 50 °C
- Lifetime: 50 000 hours / L90B10
- High chemical resistance
- Wide Beam (WB), ceiling height 2.5 to 5 m
- Optional delivery of supply cables with connectors in specific required length
- Optional arrangement of light fittings in line without gaps
- Variable suspension pitch; optional installation of light fitting even on an existing structure on which the original light fittings were suspended
- Fully automatic 100% control of functionality and tightness (leak test) during production
- Simple and fast mounting thanks to original cables and flexible mounting pitch at the light fitting
- Easy cleaning and maintenance without need of replacing the light sources
- Eliminated risk of mechanical and electrostatic damage to LED chips
- Optional throughwiring (up to 7 wires inside the light fitting)
- Optional delivery in dimmable version
- Certificates: ESČ, ENEC, CB, DLG approved, HACCP

www.innova.lighting/en
INNOVA WB ABS

TECHNICAL DESCRIPTION

- Light fitting protection: IP66 / IP69
- Maximum ambient temperature: $t_a = 50 \, ^\circ C$
- Lifetime: 50 000 hours / L90B10
- Maximum light fitting efficiency: 131 lm/W
- CRI > 80: 4000 K – standard
- CRI > 80: 3000 K, 5000 K, 6500 K – on request
- Diffuser: transparent AC with Fresnel lenses, Wide Beam (high chemical resistance, UV stability)
- Body: dark grey ABS (high chemical resistance, UV stability)
- Ventilation membrane in the base eliminating vacuum and condensate build-up
- Cable with one connector for connection of the light fitting to the voltage source in a distance of 1 m, 3 m or in a requested length
- Interconnection cable with two connectors for mutual spacing between light fittings of 0 m, 1 m, 3 m or for requested spacing
- Connectors with 3, 5 or 7 poles, wire section 1.5 or 2.5 mm²
- Optional constant luminous flux (CLO) in DALI version
- Electric equipment: LED modules, fixed output driver or DALI driver
- The package includes: stainless hooks and stainless brackets
- The values stated for power consumption and luminous flux are in a tolerance of ± 7.5 %

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<td>2500</td>
<td>2270</td>
<td>18</td>
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<td>1.5</td>
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<td>420 - 700</td>
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<td>2810</td>
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<td>700 - 980</td>
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<td>129</td>
<td>1.8</td>
<td>1455</td>
<td>700 - 980</td>
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</table>

INNOVA 1.4ft WB ABS 3200/840 = suitable replacement for T8 fl. tube light fitting PRIMA 136 – 1 x 36 W
INNOVA 1.4ft WB ABS 6400/840 = suitable replacement for T8 fl. tube light fitting PRIMA 236 – 2 x 36 W
INNOVA 1.5ft WB ABS 4000/840 = suitable replacement for T8 fl. tube light fitting PRIMA 158 – 1 x 58 W
INNOVA 1.5ft WB ABS 8000/840 = suitable replacement for T8 fl. tube light fitting PRIMA 258 – 2 x 58 W

INNOVA WB ABS

Diffuser made of translucent acrylate

<table>
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<th>Power consumption [W]</th>
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<td>1x5P DALI</td>
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<tr>
<td>1x7P DALI</td>
<td>72641</td>
<td>72642</td>
</tr>
<tr>
<td>1x7P DALI</td>
<td>72651</td>
<td>72652</td>
</tr>
<tr>
<td>2x3P</td>
<td>72661</td>
<td>72662</td>
</tr>
<tr>
<td>2x5P</td>
<td>72671</td>
<td>72672</td>
</tr>
<tr>
<td>2x5P DALI</td>
<td>72681</td>
<td>72682</td>
</tr>
</tbody>
</table>

Example of type marking: 72643 = INNOVA 1.4ft WB ABS 6400/840 1x5P DALI

LEGEND

1x3P - version with fixed output driver and 1x3P connector, individually installed / terminal luminaire in line
1x5P - version with fixed output driver and 1x5P connector, terminal luminaire in line
1x5P DALI - version with digitally dimmable driver and 1x5P connector, individually installed / terminal luminaire in line
1x7P DALI - version with digitally dimmable driver and 1x7P connector, terminal luminaire in line
2x3P - version with fixed output driver, 2x3P connectors and 3-wire throughwiring [1F], for installation in lines
2x5P - version with fixed output driver, 2x5P connectors and 5-wire throughwiring [3F], for installation in lines
2x5P DALI - version with digitally dimmable driver, 2x5P connectors and 5-wire throughwiring (DALI 1F), for installation in lines
2x7P DALI - version with digitally dimmable driver, 2x7P connectors and 7-wire throughwiring (DALI 3F), for installation in lines

FrF-1x3P---... Individually installed luminaire
F connector: Female
M connector: Male
Fr Free wire end

FrF-1x3P---... Luminaire intended for installation in lines
INNOVA 2x3P

FrF-1x3P---... Terminal luminaire
INNOVA 1x3P

INNOVA 2x3P
INNOVA 2x3P
**LIGHT FITTING ATTACHMENT**

a) Directly to a ceiling with the use of screws and stainless brackets  
b) Suspension with the use of stainless hooks  
c) Attachment with the use of side hangers to the wall

**VARIABLE INSTALLATION PITCH**

**MINIMUM**  
**MAXIMUM**

**LIGHT FITTING INTERCONNECTION**

Easy, fast and maximally efficient mounting is achieved when using the cables with connectors delivered by us.

Interconnection of light fittings without spacing

**LIGHT FITTING DETAILED VIEW**

**INNOVA WB ABS**

| DL 06 | STUCCHI 37xx | STUCCHI 38xx |
INNOVA accessories

Cables for external connection of light fittings – wire section 1,5 mm² and 2,5 mm²

- External connection cables with 3, 5 or 7 poles with wire section 1,5 or 2,5 mm².
- Available in standard cable lengths for external luminaire connection to the voltage source in a distance of 1 or 3 m, or in specific distance upon request.

Technical data: Connector: 250 V, 16 A, IP66 / IP68, Cable: H05VV-F, admissible permanent warming of wires 70 °C

Abbreviations used: FrF: free end [F], female [F], 1x3P: number of connectors and their poles 1,5: wire section in mm², 1m: cable length

<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
<th>Description</th>
<th>Distance from source [m]</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>FrF-1x3P-...</td>
<td>3-wire cable for external connection of luminaires in line or individually installed luminaire, 1x3P connector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>72901</td>
<td>FrF-1x3P-1,5-1m</td>
<td>Connection cable 3 x 1,5 mm² - Free end/Female</td>
<td>1</td>
<td>0,13</td>
</tr>
<tr>
<td>72902</td>
<td>FrF-1x3P-1,5-3m</td>
<td>Connection cable 3 x 1,5 mm² - Free end/Female</td>
<td>1</td>
<td>0,32</td>
</tr>
<tr>
<td>72903</td>
<td>FrF-1x3P-2,5-1m</td>
<td>Connection cable 3 x 2,5 mm² - Free end/Female</td>
<td>1</td>
<td>0,19</td>
</tr>
<tr>
<td>72904</td>
<td>FrF-1x3P-2,5-3m</td>
<td>Connection cable 3 x 2,5 mm² - Free end/Female</td>
<td>1</td>
<td>0,50</td>
</tr>
</tbody>
</table>

| FrF-1x5P-... | 5-wire cable for external connection of luminaires in line or individually installed luminaire, 1x5P connector |
| 72905    | FrF-1x5P-1,5-1m | Connection cable 5 x 1,5 mm² - Free end/Female                              | 1                        | 0,19        |
| 72906    | FrF-1x5P-1,5-3m | Connection cable 5 x 1,5 mm² - Free end/Female                              | 1                        | 0,49        |
| 72907    | FrF-1x5P-2,5-1m | Connection cable 5 x 2,5 mm² - Free end/Female                              | 1                        | 0,34        |
| 72908    | FrF-1x5P-2,5-3m | Connection cable 5 x 2,5 mm² - Free end/Female                              | 1                        | 0,84        |

| FrF-1x7P-... | 7-wire cable for external connection of luminaires in line, 1x7P connector |
| 72909    | FrF-1x7P-1,5-1m | Connection cable 7 x 1,5 mm² - Free end/Female                              | 1                        | 0,22        |
| 72910    | FrF-1x7P-1,5-3m | Connection cable 7 x 1,5 mm² - Free end/Female                              | 1                        | 0,53        |
| 72911    | FrF-1x7P-2,5-1m | Connection cable 7 x 2,5 mm² - Free end/Female                              | 1                        | 0,49        |
| 72912    | FrF-1x7P-2,5-3m | Connection cable 7 x 2,5 mm² - Free end/Female                              | 1                        | 1,16        |

Please state the required specific distance of the light fitting from the voltage source (e.g. 5,5 m) directly in the type designation of the product as follows: FrF-1x5P-1,5-5,5m

Connection 1x3P: FrF-1x3P Individually installed luminaire

Connection 1x5P DALI: FrF-1x5P Individually installed digitally dimmable luminaire

Connection 2x7P DALI: FrF-1x7P... External connection of line with 3-phase throughwired digitally dimmable luminaires

Cables for external interconnection of light fittings – wire section 1,5 mm² and 2,5 mm²

- External interconnection cables with 3, 5 or 7 poles with wire section 1,5 or 2,5 mm².
- Available in standard lengths of external interconnection cables for mutual luminaires spacing of 1 or 3 m, or specific spacing upon request.
- If the light fittings are installed in lines without spacing, an interconnection cable with designation of mutual luminaires spacing "0 m" must be used.

Technical data: Connector: 250 V, 16 A, IP66 / IP68, Cable: H05VV-F, admissible permanent warming of wires 70 °C

Abbreviations used: MF: free end [F], male [F], 2x3P: number of connectors and their poles 1,5: wire section in mm², 1m: cable length

<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
<th>Description</th>
<th>Spacing of light fittings [m]</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>MF-2x3P-...</td>
<td>3-wire cable for 1-phase-interconnection of luminaires in line, 2x3P connector</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>72921</td>
<td>MF-2x3P-1,5-0m</td>
<td>Interconnection cable 3 x 1,5 mm² - Male/Female</td>
<td>0</td>
<td>0,07</td>
</tr>
<tr>
<td>72922</td>
<td>MF-2x3P-1,5-1m</td>
<td>Interconnection cable 3 x 1,5 mm² - Male/Female</td>
<td>1</td>
<td>0,16</td>
</tr>
<tr>
<td>72923</td>
<td>MF-2x3P-1,5-3m</td>
<td>Interconnection cable 3 x 1,5 mm² - Male/Female</td>
<td>3</td>
<td>0,36</td>
</tr>
<tr>
<td>72924</td>
<td>MF-2x3P-2,5-0m</td>
<td>Interconnection cable 3 x 2,5 mm² - Male/Female</td>
<td>0</td>
<td>0,08</td>
</tr>
<tr>
<td>72925</td>
<td>MF-2x3P-2,5-1m</td>
<td>Interconnection cable 3 x 2,5 mm² - Male/Female</td>
<td>1</td>
<td>0,22</td>
</tr>
<tr>
<td>72926</td>
<td>MF-2x3P-2,5-3m</td>
<td>Interconnection cable 3 x 2,5 mm² - Male/Female</td>
<td>3</td>
<td>0,53</td>
</tr>
</tbody>
</table>

Please state the required specific spacing (e.g. 5,5 m) directly in the type designation of the product as follows: MF-2x3P-1,5-5,5m

Connection 2x3P: FrF-1x3P + MF-2x3P... Line of 1-phase-interconnected light fittings

Connection 2x5P: FrF-1x5P + MF-2x5P... Line of 2-phase-interconnected light fittings

Connection 2x7P: FrF-1x7P... Line of 3-phase-throughwired light fittings
Please state the required specific spacing (e.g. 5,5 m) directly in the type designation of the product as follows: MF1-2x5P-1,5-5,5m

### Connection 2xSP
FrF-1x5P + MF1-2x5P... Line of 3-phase-interconnected light fittings

#### Code Table

<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
<th>Description</th>
<th>Spacing of light fittings</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>7291</td>
<td>MF1-2x5P-1,5-0m</td>
<td>Interconnection cable 5x 1,5 mm² - Male/Female</td>
<td>0</td>
<td>0,08</td>
</tr>
<tr>
<td>7292</td>
<td>MF1-2x5P-1,5-1m</td>
<td>Interconnection cable 5x 1,5 mm² - Male/Female</td>
<td>1</td>
<td>0,23</td>
</tr>
<tr>
<td>7293</td>
<td>MF1-2x5P-1,5-3m</td>
<td>Interconnection cable 5x 1,5 mm² - Male/Female</td>
<td>3</td>
<td>0,53</td>
</tr>
<tr>
<td>7294</td>
<td>MF1-2x5P-2,5-0m</td>
<td>Interconnection cable 5x 2,5 mm² - Male/Female</td>
<td>0</td>
<td>0,11</td>
</tr>
<tr>
<td>7295</td>
<td>MF1-2x5P-2,5-1m</td>
<td>Interconnection cable 5x 2,5 mm² - Male/Female</td>
<td>1</td>
<td>0,37</td>
</tr>
<tr>
<td>7296</td>
<td>MF1-2x5P-2,5-3m</td>
<td>Interconnection cable 5x 2,5 mm² - Male/Female</td>
<td>3</td>
<td>0,88</td>
</tr>
</tbody>
</table>

### Connection 2xSP DALI
FrF-1x5P + MF2-2x5P... Line of 1-phase-interconnected digitally dimmable light fittings

#### Code Table

<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
<th>Description</th>
<th>Spacing of light fittings</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>72941</td>
<td>MF2-2x5P-1,5-0m</td>
<td>Interconnection cable 5x 1,5 mm² - Male/Female</td>
<td>0</td>
<td>0,08</td>
</tr>
<tr>
<td>72942</td>
<td>MF2-2x5P-1,5-1m</td>
<td>Interconnection cable 5x 1,5 mm² - Male/Female</td>
<td>1</td>
<td>0,23</td>
</tr>
<tr>
<td>72943</td>
<td>MF2-2x5P-1,5-3m</td>
<td>Interconnection cable 5x 1,5 mm² - Male/Female</td>
<td>3</td>
<td>0,53</td>
</tr>
<tr>
<td>72944</td>
<td>MF2-2x5P-2,5-0m</td>
<td>Interconnection cable 5x 2,5 mm² - Male/Female</td>
<td>0</td>
<td>0,11</td>
</tr>
<tr>
<td>72945</td>
<td>MF2-2x5P-2,5-1m</td>
<td>Interconnection cable 5x 2,5 mm² - Male/Female</td>
<td>1</td>
<td>0,37</td>
</tr>
<tr>
<td>72946</td>
<td>MF2-2x5P-2,5-3m</td>
<td>Interconnection cable 5x 2,5 mm² - Male/Female</td>
<td>3</td>
<td>0,88</td>
</tr>
</tbody>
</table>

### Connection 2xSP DALI NM
FrF-1x5P + MF2-2x5P... Line of 1-phase-interconnected digitally dimmable light fittings and emergency light fittings

### Connection 2xSP SNS
FrF-1x5P + MF2-2x5P... Line of 1-phase-interconnected max. 6 sensor-controlled light fittings

### Connection 2xSP SNS COR
FrF-1x5P + MF2-2x5P... Line of 1-phase-interconnected digitally dimmable light fittings wired for CORRIDOR function

### Connection 2xSP SNS NM
FrF-1x5P + MF2-2x5P... Line of 1-phase-interconnected max. 6 sensor-controlled light fittings and 1-phase-interconnected emergency light fittings

### Code Table

<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
<th>Description</th>
<th>Spacing of light fittings</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>72791</td>
<td>MF3-2x5P-1,5-0m</td>
<td>Interconnection cable 5x 1,5 mm² - Male/Female</td>
<td>0</td>
<td>0,08</td>
</tr>
<tr>
<td>72792</td>
<td>MF3-2x5P-1,5-1m</td>
<td>Interconnection cable 5x 1,5 mm² - Male/Female</td>
<td>1</td>
<td>0,23</td>
</tr>
<tr>
<td>72793</td>
<td>MF3-2x5P-1,5-3m</td>
<td>Interconnection cable 5x 1,5 mm² - Male/Female</td>
<td>3</td>
<td>0,53</td>
</tr>
<tr>
<td>72794</td>
<td>MF3-2x5P-2,5-0m</td>
<td>Interconnection cable 5x 2,5 mm² - Male/Female</td>
<td>0</td>
<td>0,11</td>
</tr>
<tr>
<td>72795</td>
<td>MF3-2x5P-2,5-1m</td>
<td>Interconnection cable 5x 2,5 mm² - Male/Female</td>
<td>1</td>
<td>0,37</td>
</tr>
<tr>
<td>72796</td>
<td>MF3-2x5P-2,5-3m</td>
<td>Interconnection cable 5x 2,5 mm² - Male/Female</td>
<td>3</td>
<td>0,88</td>
</tr>
</tbody>
</table>

Please state the required specific spacing (e.g. 5,5 m) directly in the type designation of the product as follows: MF3-2x5P-1,5-5,5m

### Connection 2xSP NM
FrF-1x5P + MF3-2x5P... Line of 2-phase-interconnected digitally dimmable light fittings and 1-phase-interconnected emergency light fittings

#### Code Table

<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
<th>Description</th>
<th>Spacing of light fittings</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>72791</td>
<td>MF3-2x5P-1,5-0m</td>
<td>Interconnection cable 5x 1,5 mm² - Male/Female</td>
<td>0</td>
<td>0,08</td>
</tr>
<tr>
<td>72792</td>
<td>MF3-2x5P-1,5-1m</td>
<td>Interconnection cable 5x 1,5 mm² - Male/Female</td>
<td>1</td>
<td>0,23</td>
</tr>
<tr>
<td>72793</td>
<td>MF3-2x5P-1,5-3m</td>
<td>Interconnection cable 5x 1,5 mm² - Male/Female</td>
<td>3</td>
<td>0,53</td>
</tr>
<tr>
<td>72794</td>
<td>MF3-2x5P-2,5-0m</td>
<td>Interconnection cable 5x 2,5 mm² - Male/Female</td>
<td>0</td>
<td>0,11</td>
</tr>
<tr>
<td>72795</td>
<td>MF3-2x5P-2,5-1m</td>
<td>Interconnection cable 5x 2,5 mm² - Male/Female</td>
<td>1</td>
<td>0,37</td>
</tr>
<tr>
<td>72796</td>
<td>MF3-2x5P-2,5-3m</td>
<td>Interconnection cable 5x 2,5 mm² - Male/Female</td>
<td>3</td>
<td>0,88</td>
</tr>
</tbody>
</table>
INNOVA accessories

<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
<th>Description</th>
<th>Spacing of light fittings [m]</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>MF-2x7P-...</td>
<td>7-wire cable for 3-phase-interconnection of digitally dimmable light fittings in line</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>72961</td>
<td>MF-2x7P-1,5-8m</td>
<td>Interconnection cable 7×1,5 mm² - Male/Female</td>
<td>0</td>
<td>0,14</td>
</tr>
<tr>
<td>72962</td>
<td>MF-2x7P-1,5-1m</td>
<td>Interconnection cable 7×1,5 mm² - Male/Female</td>
<td>1</td>
<td>0,28</td>
</tr>
<tr>
<td>72963</td>
<td>MF-2x7P-1,5-3m</td>
<td>Interconnection cable 7×1,5 mm² - Male/Female</td>
<td>3</td>
<td>0,58</td>
</tr>
<tr>
<td>72964</td>
<td>MF-2x7P-2,5-5m</td>
<td>Interconnection cable 7×2,5 mm² - Male/Female</td>
<td>0</td>
<td>0,17</td>
</tr>
<tr>
<td>72965</td>
<td>MF-2x7P-2,5-1m</td>
<td>Interconnection cable 7×2,5 mm² - Male/Female</td>
<td>1</td>
<td>0,54</td>
</tr>
<tr>
<td>72966</td>
<td>MF-2x7P-2,5-3m</td>
<td>Interconnection cable 7×2,5 mm² - Male/Female</td>
<td>3</td>
<td>1,22</td>
</tr>
</tbody>
</table>

Please state the required specific spacing (e.g. 5,5 m) directly in the type designation of the product as follows: MF-2x7P-1,5-5,5m

Connection 2x7P DALI  FrF-1x7P + MF-2x7P… Line of 3-phase-interconnected digitally dimmable light fittings

<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
<th>Description</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>FrF-1x7P…</td>
<td>INNOVA 2x7P DALI</td>
<td>MF-2x7P…</td>
<td>INNOVA 2x7P DALI</td>
</tr>
</tbody>
</table>

Connection 2x7P DALI NM  FrF-1x7P + MF-2x7P… Line of 3-phase-interconnected digitally dimmable light fittings and emergency light fittings

<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
<th>Description</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>FrF-1x7P…</td>
<td>INNOVA 2x7P DALI</td>
<td>MF-2x7P…</td>
<td>INNOVA 2x7P DALI</td>
</tr>
</tbody>
</table>

OM – protective grid

The metal grid protects the light fitting against mechanical damage and unauthorised handling. It is attached to the surface with the use of screws. The surface is treated with the RAL 9003 powder-coated colour.

<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
<th>Description</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>11942</td>
<td>OM 236</td>
<td>protective grid for types 236, 228/254, x.3ft</td>
<td>1,7</td>
</tr>
<tr>
<td>11943</td>
<td>OM 258</td>
<td>protective grid for types 258, 235/249/280, x.4ft</td>
<td>2,0</td>
</tr>
</tbody>
</table>

BZ – side hanger

It serves to attach the light fitting to the wall with the possibility of its positioning.

<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
<th>Description</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>90002</td>
<td>BZ</td>
<td>side hanger with blocking (set for 1 light fitting)</td>
<td>0,4</td>
</tr>
</tbody>
</table>

Canalis busbar system connector

The connector enables a quick 1 phase or 3 phase interconnection of light fittings without their opening.

<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
<th>Description</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>79001</td>
<td>KBA 40 ZU</td>
<td>light fitting suspension holder - Canalis KBA system</td>
<td>0,1</td>
</tr>
<tr>
<td>72971</td>
<td>KBC 10 CC212</td>
<td>three-pole connector with 1 m cable - Canalis KBA system</td>
<td>0,2</td>
</tr>
<tr>
<td>72972</td>
<td>KBC 10 CC213</td>
<td>five-pole connector with 1 m cable - Canalis KBA system</td>
<td>0,3</td>
</tr>
</tbody>
</table>
### TECHNICAL DESCRIPTION
- **Light fitting protection:** IP66
- **Maximum ambient temperature:** $t_a = 50^\circ C$
- **LED module lifetime:** 50 000 hours / L80B20
- **Luminous flux of the light fitting:** 440 lm
- **Maximum light fitting efficiency:** 133 lm/W
- **CRI > 80:** 6500 K
- **Electric equipment:**
  - EM kit including Ni-Cd battery without autotest, LED module
  - EM kit including LiFePO4 battery with autotest, LED module
- **The above stated values of power consumption and luminous flux are within a tolerance of $\pm 7.5\%$**
- **Light fitting protection:** IP66
- **Maximum ambient temperature:** $t_a = 50^\circ C$
- **LED module lifetime:** 50 000 hours / L80B20
- **Luminous flux of the light fitting:** 440 lm
- **Maximum light fitting efficiency:** 133 lm/W
- **CRI > 80:** 6500 K
- **Electric equipment:**
  - EM kit including Ni-Cd battery without autotest, LED module
  - EM kit including LiFePO4 battery with autotest, LED module
- **The above stated values of power consumption and luminous flux are within a tolerance of $\pm 7.5\%$**

### LEGEND
- **L1 2x5P NM1h** - non-maintained emergency luminaire, 2x5P connectors and 5-wire throughwiring [3F], operation time 1 hour, line connection, power supply from L1
- **L3 2x5P NM1h** - non-maintained emergency luminaire, 2x5P connectors and 5-wire throughwiring [3F], operation time 1 hour, line connection, power supply from L3
- **L1 2x7P NM1h** - non-maintained emergency luminaire, 2x7P connectors and 7-wire throughwiring [DALI 3F], operation time 1 hour, line connection, power supply from L1
- **L1 2x5P NM3h** - non-maintained emergency luminaire, 2x5P connectors and 5-wire throughwiring [3F], operation time 3 hours, line connection, power supply from L1
- **L3 2x5P NM3h** - non-maintained emergency luminaire, 2x5P connectors and 5-wire throughwiring [3F], operation time 3 hours, line connection, power supply from L3
- **L1 2x7P NM3h** - non-maintained emergency luminaire, 2x7P connectors and 7-wire throughwiring [DALI 3F], operation time 3 hours, line connection, power supply from L1
- **...At** - version with battery autotest

### Module signalling without autotest
<table>
<thead>
<tr>
<th>LED colour</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>green</td>
<td>battery charging</td>
</tr>
<tr>
<td>flashing</td>
<td>running test/emergency mode</td>
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### Module signalling with autotest (At)
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