

PRIMA

INDUSTRIAL WATERPROOF,
DUSTPROOF AND IMPACT
RESISTANT

Fluorescent lighting fittings



Use:

Industrial indoor and outdoor areas, sports grounds, workshops, garages, agricultural buildings, warehouses and laboratories without danger of explosion of gas and flammable vapour.

Lighting fittings are resistant to dust, damp and jetting water and in modification with PC diffuser have high impact resistance.

In corrosive environment it is necessary to have respect to possible fumes which reduce the applicability of plastics.

Description, optics:

The **body** is made by injection of impact and heat resistant polycarbonate of grey colour. The body is fitted with flush clips for the fixing of the diffuser. The clips are made of polyamid with fibreglass. Optionally the stainless steel clips are available.

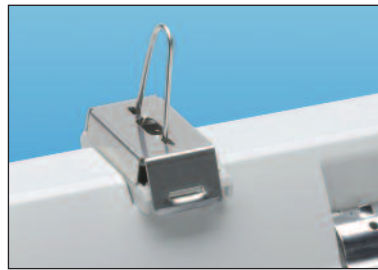
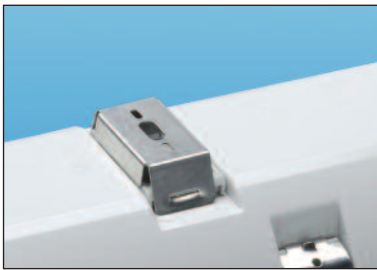
The IP protection is provided with polyurethan sealing injected in the body. The fitting's **reflector** is produced of a steel sheet. It is powder coated with white colour in automatic spraying line. The reflector is clicked into the body through a distance holder made of polyamid.

At the installation higher than 6 m it is recommended to fit the luminaire with an additional parabolic aluminium reflector (PAR) which alter the luminous flux.

The **diffuser** is made by injection of plastics in two options:

- transparent acrylic – marked **AC** – UV stabilized
- transparent polycarbonate – marked **PC** – UV stabilized with a very high impact resistance



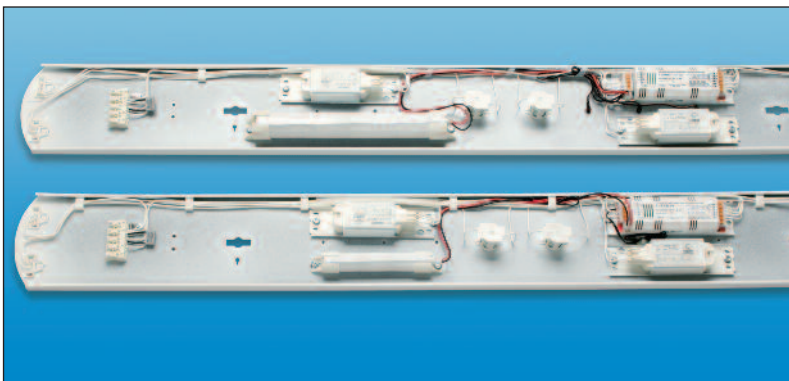


The way of fitting's suspension:

- directly on a surface (also flammable) using stainless steel brackets
- using stainless steel hooks delivered as standard accessories



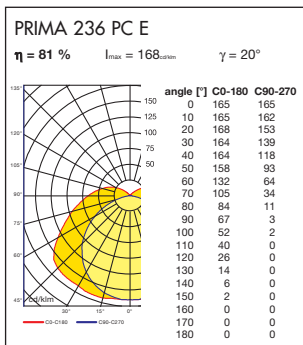
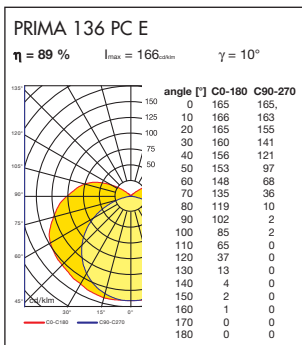
Hanging of the reflector during installation and repair.



Maintained emergency luminaire
- with 3 hrs emergency source
- with 1 hr emergency source

Modifications:

- (code 90xx0) – The **basic type** is LPF wired, equipped with a radio-interference capacitor, starters, a screwless three-pole terminal block, 2 pcs of metal suspension sets and two cable glands
 - (code 90xx1) – **HPF wired** - the lighting fitting can be additionally compensated with parallel compensating capacitor
 - (code 90xx2) – **Through wired** - for the installation of the luminaires into rows. The luminaire is fitted with 1 phase or 3 phase wiring (1.5 mm²) and additional terminal block. (18W lighting fittings are not produced in this modification). 2.5 mm² through wiring available on demand.
 - (code 90xx3) – **Through wired and compensated**
 - (code 90xx5) – **With electronic ballast for T8 lamps** – suitable for the installation where the luminaires are constantly working
 - (code 90xx6) - **With electronic ballast for T8 lamps and through wired**
 - (code 90xx7) – **With dimmable electronic ballast** – the luminaire is equipped and adapted for using of an automatic dimming control. Analogue (DIM) or digital (DALI) dimmable ballasts are available
 - (code 90xx8) – **Maintained emergency lighting fittings** – with an independent emergency source is running under usual conditions as other fittings. After power interruption it starts to run in the emergency mode. Only one tube is working with double-tube fitting then.
 - marked **M1h** – with 1 hr emergency source – battery capacity 1,5 Ah
 - marked **M3h** – with 3 hrs emergency source – battery capacity 4,0 Ah
 - (code 90xx9) – **Non-maintained emergency lighting fitting** – is working only after power interruption
- Delivery of plastic and metal components for customers' own assembly is available.



| Order code | Type | Light sources | Luminous efficiency | Net weight | Dimensions | |
|---|----------------|---------------|---------------------|------------|------------|----------|
| | | W | % | kg | A | D |
| acrylic diffuser (AC) | | | | | | |
| 90110 | PRIMA 118 AC | 1x18 | T8/G13 | 92 | 1,3 | 662 350 |
| 90120 | PRIMA 136 AC | 1x36 | T8/G13 | 92 | 2,2 | 1272 700 |
| 90130 | PRIMA 158 AC | 1x58 | T8/G13 | 90 | 2,9 | 1572 940 |
| 90140 | PRIMA 218 AC | 2x18 | T8/G13 | 85 | 2,0 | 662 350 |
| 90150 | PRIMA 236 AC | 2x36 | T8/G13 | 84 | 3,5 | 1272 700 |
| 90160 | PRIMA 258 AC | 2x58 | T8/G13 | 82 | 4,7 | 1572 940 |
| acrylic diffuser (AC) – with electronic ballast | | | | | | |
| 90115 | PRIMA 118 AC E | 1x18 | T8/G13 | 92 | 1,0 | 662 350 |
| 90125 | PRIMA 136 AC E | 1x36 | T8/G13 | 92 | 1,8 | 1272 700 |
| 90135 | PRIMA 158 AC E | 1x58 | T8/G13 | 90 | 2,3 | 1572 940 |
| 90145 | PRIMA 218 AC E | 2x18 | T8/G13 | 85 | 1,6 | 662 350 |
| 90155 | PRIMA 236 AC E | 2x36 | T8/G13 | 84 | 2,7 | 1272 700 |
| 90165 | PRIMA 258 AC E | 2x58 | T8/G13 | 82 | 3,7 | 1572 940 |
| polycarbonate diffuser (PC) - impact resistant | | | | | | |
| 90310 | PRIMA 118 PC | 1x18 | T8/G13 | 89 | 1,3 | 662 350 |
| 90320 | PRIMA 136 PC | 1x36 | T8/G13 | 89 | 2,2 | 1272 700 |
| 90330 | PRIMA 158 PC | 1x58 | T8/G13 | 87 | 2,9 | 1572 940 |
| 90340 | PRIMA 218 PC | 2x18 | T8/G13 | 82 | 2,0 | 662 350 |
| 90350 | PRIMA 236 PC | 2x36 | T8/G13 | 81 | 3,5 | 1272 700 |
| 90360 | PRIMA 258 PC | 2x58 | T8/G13 | 79 | 4,7 | 1572 940 |
| polycarbonate diffuser (PC) - impact resistant with electronic ballast | | | | | | |
| 90315 | PRIMA 118 PC E | 1x18 | T8/G13 | 89 | 1,0 | 662 350 |
| 90325 | PRIMA 136 PC E | 1x36 | T8/G13 | 89 | 1,8 | 1272 700 |
| 90335 | PRIMA 158 PC E | 1x58 | T8/G13 | 87 | 2,3 | 1572 940 |
| 90345 | PRIMA 218 PC E | 2x18 | T8/G13 | 82 | 1,6 | 662 350 |
| 90355 | PRIMA 236 PC E | 2x36 | T8/G13 | 81 | 2,7 | 1272 700 |
| 90365 | PRIMA 258 PC E | 2x58 | T8/G13 | 79 | 3,7 | 1572 940 |

902xx modification **ACc** – acrylic diffuser – with stainless steel clips
 904xx modification **PCc** – polycarbonate diffuser – with stainless steel clips

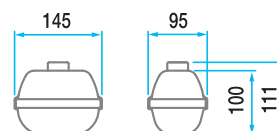
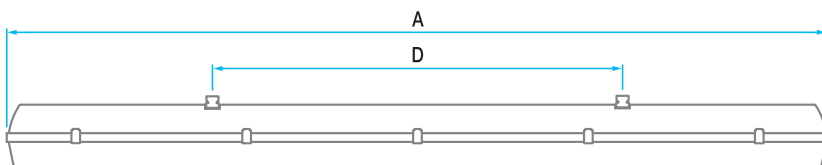


Modification with screw cable glands – Pg 13,5.



Stainless steel clip (c).

Clips made of polyamid filled with fibreglass



TREVOS

- Ø 26
- G 13
- 1-2,5 mm²
- t 105 °C
- t_a 45 °C
- 1F
- 3F
- VVG
- EVG
- EVG DIMM
- EMERGENCY
- 0,3J IK 03 AC
- 5J IK 08 PC
- AC 650 °C
- PC 850 °C

PRIMA II



IP66



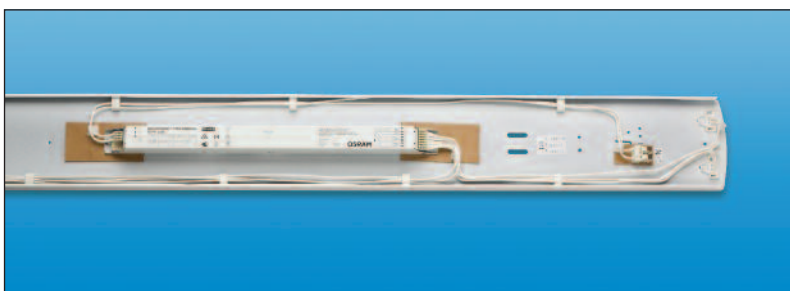
230 V
50 Hz



Clips made of polyamid filled with fibreglass.
It can be blocked with a screw to be able to achieve class II insulation.



Stainless steel clip (c)
It can be blocked with a screw to be able to achieve class II insulation.



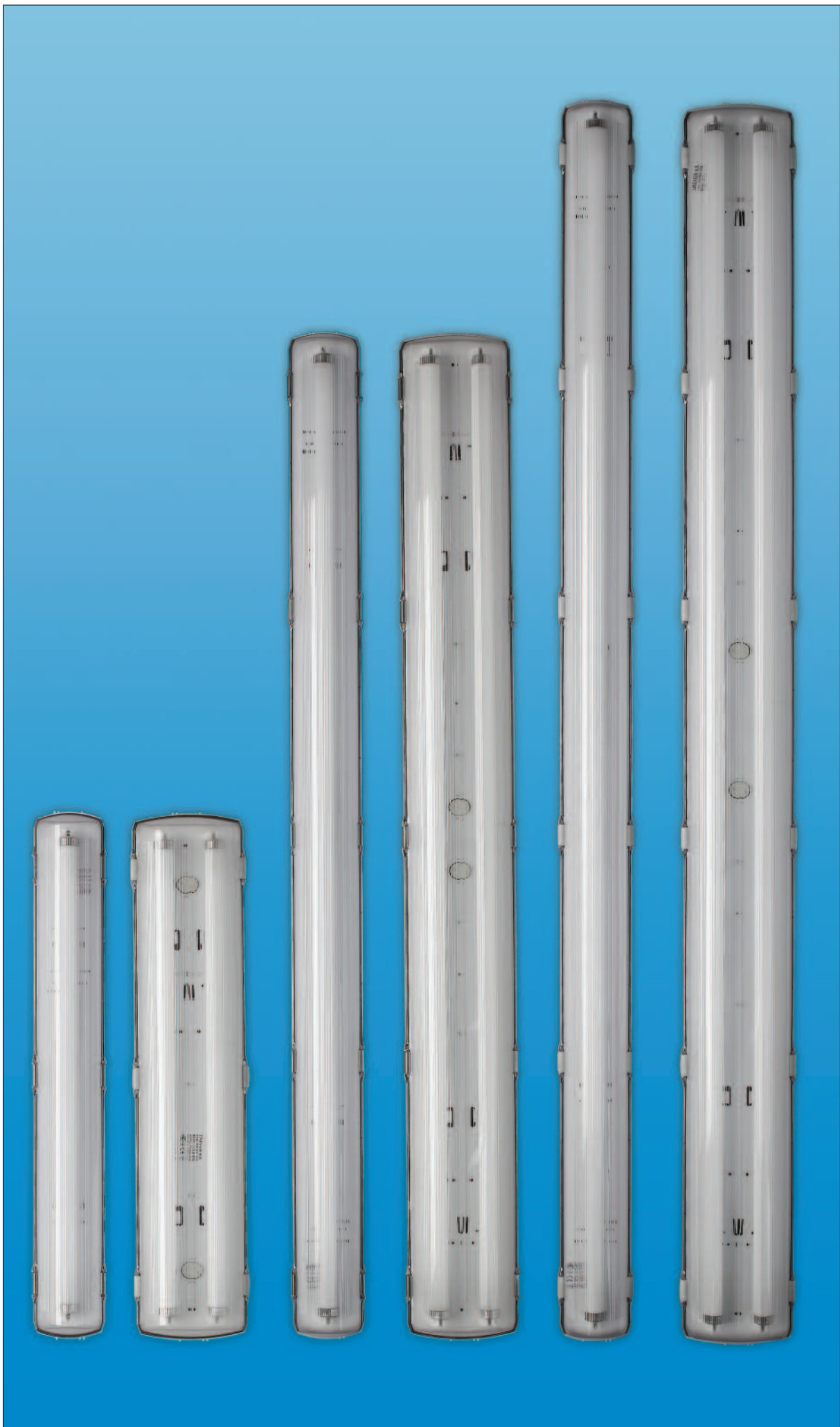
| Order code | Type | Light sources | | Luminous efficiency % | Net weight kg | Dimensions mm | |
|---|-------------------|---------------|--------|-----------------------|---------------|---------------|-----|
| | | W | H | | | A | D |
| acrylic diffuser (AC) – with electronic ballast | | | | | | | |
| 92115 | PRIMA II 118 AC E | 1x18 | T8/G13 | 92 | 1,0 | 662 | 350 |
| 92125 | PRIMA II 136 AC E | 1x36 | T8/G13 | 92 | 1,8 | 1272 | 700 |
| 92135 | PRIMA II 158 AC E | 1x58 | T8/G13 | 90 | 2,3 | 1572 | 940 |
| 92145 | PRIMA II 218 AC E | 2x18 | T8/G13 | 85 | 1,6 | 662 | 350 |
| 92155 | PRIMA II 236 AC E | 2x36 | T8/G13 | 84 | 2,7 | 1272 | 700 |
| 92165 | PRIMA II 258 AC E | 2x58 | T8/G13 | 82 | 3,7 | 1572 | 940 |

922x5 modification ACC – acrylic diffuser – with stainless steel clips and electronic ballast

923x5 modification PC – polycarbonate diffuser – with plastic clips

924x5 modification PCC – polycarbonate diffuser – with stainless steel clips and electronic ballast





PRIMA - T5



IP66



230 V
50 Hz



Modification with electronic ballast T5

- in high efficiency range
- in high output range
- energy efficiency index EEI=A2
- the consumption of electric energy is lower up to 10 % in comparison with T8 electronic ballast and up to 40 % with magnetic ballast
- with smaller fluorescent tubes' diameter (16 mm) and with the change of max. luminous flux temperature from 25 °C to 35 °C it is achieved higher luminous efficiency by 10-14 %

Modification with electronic ballast T5 Intelligent

Intelligent recognition of HE or HO fluorescent tubes enables application of tubes of the same length but different output

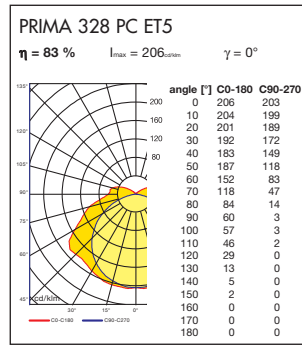
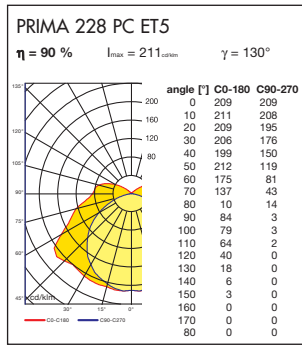
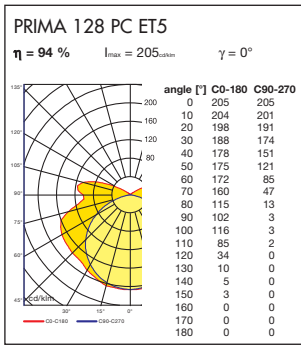
| | |
|---------------------------|---------|
| HE 14W + HO 24W | 549 mm |
| HE 28W + HO 54W | 1149 mm |
| HE 35W + HO 49W + HO 80 W | 1449 mm |

Modification with dimmable electronic ballast T5

- operated with analogue signal - 1-10V
- operated with digital DALI system or with Touch DIM function
- energy efficiency index EEI=A1
- it is possible to spare up to 80 % of the consumption of electric energy by the dimming based on the daylight intensity

Modification with electronic ballast T5 HO – PAR

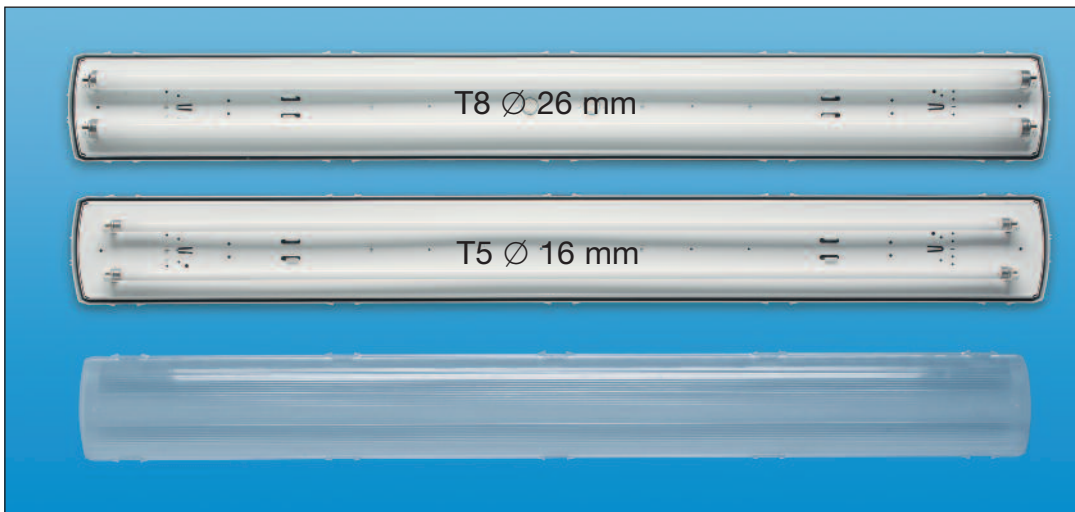
- high output modification with parabolic reflector enables to concentrate the luminous flux into deeper curve. It reaches sufficient illumination in halls with height up to 10 m.



| Order code | Type | Light sources | | Luminous efficiency | Net weight | Dimensions | |
|--|------------------|---------------|-------|---------------------|------------|------------|-----|
| | | W | | % | | A | D |
| acrylic diffuser (AC) – with electronic ballast – high efficiency range | | | | | | | |
| 90510 | PRIMA 114 AC ET5 | 1x14 | T5/G5 | 97 | 1,0 | 662 | 350 |
| 90520 | PRIMA 128 AC ET5 | 1x28 | T5/G5 | 97 | 1,8 | 1272 | 700 |
| 90530 | PRIMA 135 AC ET5 | 1x35 | T5/G5 | 96 | 2,3 | 1572 | 940 |
| 90540 | PRIMA 214 AC ET5 | 2x14 | T5/G5 | 93 | 1,7 | 662 | 350 |
| 90550 | PRIMA 228 AC ET5 | 2x28 | T5/G5 | 93 | 2,7 | 1272 | 700 |
| 90560 | PRIMA 235 AC ET5 | 2x35 | T5/G5 | 92 | 3,7 | 1572 | 940 |
| 90500 | PRIMA 328 AC ET5 | 3x28 | T5/G5 | 85 | 3,9 | 1272 | 700 |
| acrylic diffuser (AC) – with electronic ballast – high output range | | | | | | | |
| 90515 | PRIMA 124 AC ET5 | 1x24 | T5/G5 | 91 | 1,0 | 662 | 350 |
| 90525 | PRIMA 154 AC ET5 | 1x54 | T5/G5 | 90 | 1,8 | 1272 | 700 |
| 90535 | PRIMA 180 AC ET5 | 1x80 | T5/G5 | 88 | 2,3 | 1572 | 940 |
| 90575 | PRIMA 149 AC ET5 | 1x49 | T5/G5 | 91 | 2,3 | 1572 | 940 |
| 90545 | PRIMA 224 AC ET5 | 2x24 | T5/G5 | 87 | 1,7 | 662 | 350 |
| 90555 | PRIMA 254 AC ET5 | 2x54 | T5/G5 | 86 | 2,7 | 1272 | 700 |
| 90565 | PRIMA 280 AC ET5 | 2x80 | T5/G5 | 84 | 3,7 | 1572 | 940 |
| 90585 | PRIMA 249 AC ET5 | 2x49 | T5/G5 | 87 | 3,7 | 1572 | 940 |
| polycarbonate diffuser (PC) - impact resistant with el. ballast – high efficiency range | | | | | | | |
| 90710 | PRIMA 114 PC ET5 | 1x14 | T5/G5 | 94 | 1,0 | 662 | 350 |
| 90720 | PRIMA 128 PC ET5 | 1x28 | T5/G5 | 94 | 1,8 | 1272 | 700 |
| 90730 | PRIMA 135 PC ET5 | 1x35 | T5/G5 | 93 | 2,3 | 1572 | 940 |
| 90740 | PRIMA 214 PC ET5 | 2x14 | T5/G5 | 90 | 1,7 | 662 | 350 |
| 90750 | PRIMA 228 PC ET5 | 2x28 | T5/G5 | 90 | 2,7 | 1272 | 700 |
| 90760 | PRIMA 235 PC ET5 | 2x35 | T5/G5 | 89 | 3,7 | 1572 | 940 |
| 90700 | PRIMA 328 PC ET5 | 3x28 | T5/G5 | 83 | 3,9 | 1272 | 700 |
| polycarbonate diffuser (PC) - impact resistant with el. ballast – high output range | | | | | | | |
| 90715 | PRIMA 124 PC ET5 | 1x24 | T5/G5 | 88 | 1,0 | 662 | 350 |
| 90725 | PRIMA 154 PC ET5 | 1x54 | T5/G5 | 87 | 1,8 | 1272 | 700 |
| 90735 | PRIMA 180 PC ET5 | 1x80 | T5/G5 | 85 | 2,3 | 1572 | 940 |
| 90775 | PRIMA 149 PC ET5 | 1x49 | T5/G5 | 88 | 2,3 | 1572 | 940 |
| 90745 | PRIMA 224 PC ET5 | 2x24 | T5/G5 | 84 | 1,7 | 662 | 350 |
| 90755 | PRIMA 254 PC ET5 | 2x54 | T5/G5 | 83 | 2,7 | 1272 | 700 |
| 90765 | PRIMA 280 PC ET5 | 2x80 | T5/G5 | 81 | 3,7 | 1572 | 940 |
| 90785 | PRIMA 249 PC ET5 | 2x49 | T5/G5 | 84 | 3,7 | 1572 | 940 |

906xx modification T5 ACc – acrylic diffuser – with stainless steel clips and electronic ballast
 908xx modification T5 Pcc – polycarbonate diffuser – with stainless steel clips and electronic ballast

- Maximum ambient temperature with T5 HO range is decreased to 35 °C.



1F
3F

PRIMA-TRS

INDUSTRIAL WATERPROOF, DUSTPROOF
AND IMPACT RESISTANT
fluorescent lighting fittings for direct and indirect illumination DI-IN



Use:

PRIMA TRS range is suitable for direct and indirect illumination in premises with low suspension height.

The body and diffuser are made by injection of transparent polycarbonate. The reflector is made of white powder coated steel sheet and is adapted to indirect illumination.





| Order code | Type | Light sources | | Luminous efficiency % | Net weight kg | Dimensions mm | |
|--------------------------------|--------------------|---------------|--------|-----------------------|---------------|---------------|-----|
| | | W | | | | A | D |
| 35310 | PRIMA 118 TRS PC | 1x18 | T8/G13 | 92 | 1,3 | 662 | 350 |
| 35320 | PRIMA 136 TRS PC | 1x36 | T8/G13 | 92 | 2,2 | 1272 | 700 |
| 35330 | PRIMA 158 TRS PC | 1x58 | T8/G13 | 90 | 2,9 | 1572 | 940 |
| 35340 | PRIMA 218 TRS PC | 2x18 | T8/G13 | 85 | 2,0 | 662 | 350 |
| 35350 | PRIMA 236 TRS PC | 2x36 | T8/G13 | 84 | 3,5 | 1272 | 700 |
| 35360 | PRIMA 258 TRS PC | 2x58 | T8/G13 | 82 | 4,7 | 1572 | 940 |
| with electronic ballast | | | | | | | |
| 35315 | PRIMA 118 TRS PC E | 1x18 | T8/G13 | 92 | 1,0 | 662 | 350 |
| 35325 | PRIMA 136 TRS PC E | 1x36 | T8/G13 | 92 | 1,8 | 1272 | 700 |
| 35335 | PRIMA 158 TRS PC E | 1x58 | T8/G13 | 90 | 2,3 | 1572 | 940 |
| 35345 | PRIMA 218 TRS PC E | 2x18 | T8/G13 | 85 | 1,6 | 662 | 350 |
| 35355 | PRIMA 236 TRS PC E | 2x36 | T8/G13 | 84 | 2,7 | 1272 | 700 |
| 35365 | PRIMA 258 TRS PC E | 2x58 | T8/G13 | 82 | 3,7 | 1572 | 940 |

354xx modification PCc – with stainless steel clips

| Order code | Type | Light sources | | Luminous efficiency % | Net weight kg | Dimensions mm | |
|---|----------------------|---------------|-------|-----------------------|---------------|---------------|-----|
| | | W | | | | A | D |
| with T5 electronic ballast – high efficiency range | | | | | | | |
| 35710 | PRIMA 114 TRS PC ET5 | 1x14 | T5/G5 | 97 | 1,0 | 662 | 350 |
| 35720 | PRIMA 128 TRS PC ET5 | 1x28 | T5/G5 | 97 | 1,8 | 1272 | 700 |
| 35730 | PRIMA 135 TRS PC ET5 | 1x35 | T5/G5 | 96 | 2,3 | 1572 | 940 |
| 35740 | PRIMA 214 TRS PC ET5 | 2x14 | T5/G5 | 93 | 1,7 | 662 | 350 |
| 35750 | PRIMA 228 TRS PC ET5 | 2x28 | T5/G5 | 93 | 2,7 | 1272 | 700 |
| 35760 | PRIMA 235 TRS PC ET5 | 2x35 | T5/G5 | 92 | 3,7 | 1572 | 940 |
| with T5 electronic ballast – high output range | | | | | | | |
| 35715 | PRIMA 124 TRS PC ET5 | 1x24 | T5/G5 | 91 | 1,0 | 662 | 350 |
| 35725 | PRIMA 154 TRS PC ET5 | 1x54 | T5/G5 | 90 | 1,8 | 1272 | 700 |
| 35735 | PRIMA 180 TRS PC ET5 | 1x80 | T5/G5 | 88 | 2,3 | 1572 | 940 |
| 35775 | PRIMA 149 TRS PC ET5 | 1x49 | T5/G5 | 91 | 2,3 | 1572 | 940 |
| 35745 | PRIMA 224 TRS PC ET5 | 2x24 | T5/G5 | 87 | 1,7 | 662 | 350 |
| 35755 | PRIMA 254 TRS PC ET5 | 2x54 | T5/G5 | 86 | 2,7 | 1272 | 700 |
| 35765 | PRIMA 280 TRS PC ET5 | 2x80 | T5/G5 | 84 | 3,7 | 1572 | 940 |
| 35785 | PRIMA 249 TRS PC ET5 | 2x49 | T5/G5 | 87 | 3,7 | 1572 | 940 |

358xx modification T5 PCc – with stainless steel clips



PRIMA ABS

INDUSTRIAL WATERPROOF AND DUSTPROOF

fluorescent lighting fittings
chemically resistant modification

Use:

PRIMA ABS luminaires are evaluated for their resistance to an ambient containing fume of ammonia, lyes, alkalic compounds or hot water. Since such fume reduces the resistance of plastics it is necessary to keep a respect to fume's concentration.

The luminaires are suitable for agricultural buildings, stables, car washes and warehouses without a danger of flammable gas and vapour explosion.

The body is made by injection of ABS.

The diffuser is made by injection of transparent acrylate.



| Order code | Type | Light sources | | Luminous efficiency % | Net weight kg | Dimensions mm | |
|--------------------------------|--------------------|---------------|--------|-----------------------|---------------|---------------|-----|
| | | W | | | | A | D |
| 35110 | PRIMA 118 ABS AC | 1x18 | T8/G13 | 92 | 1,3 | 662 | 350 |
| 35120 | PRIMA 136 ABS AC | 1x36 | T8/G13 | 92 | 2,2 | 1272 | 700 |
| 35130 | PRIMA 158 ABS AC | 1x58 | T8/G13 | 90 | 2,9 | 1572 | 940 |
| 35140 | PRIMA 218 ABS AC | 2x18 | T8/G13 | 85 | 2,0 | 662 | 350 |
| 35150 | PRIMA 236 ABS AC | 2x36 | T8/G13 | 84 | 3,5 | 1272 | 700 |
| 35160 | PRIMA 258 ABS AC | 2x58 | T8/G13 | 82 | 4,7 | 1572 | 940 |
| with electronic ballast | | | | | | | |
| 35115 | PRIMA 118 ABS AC E | 1x18 | T8/G13 | 92 | 1,0 | 662 | 350 |
| 35125 | PRIMA 136 ABS AC E | 1x36 | T8/G13 | 92 | 1,8 | 1272 | 700 |
| 35135 | PRIMA 158 ABS AC E | 1x58 | T8/G13 | 90 | 2,3 | 1572 | 940 |
| 35145 | PRIMA 218 ABS AC E | 2x18 | T8/G13 | 85 | 1,6 | 662 | 350 |
| 35155 | PRIMA 236 ABS AC E | 2x36 | T8/G13 | 84 | 2,7 | 1272 | 700 |
| 35165 | PRIMA 258 ABS AC E | 2x58 | T8/G13 | 82 | 3,7 | 1572 | 940 |

352xx modification **ACc** – with stainless steel clips



| Order code | Type | Light sources | | Luminous efficiency % | Net weight kg | Dimensions mm | |
|---|----------------------|---------------|-------|-----------------------|---------------|---------------|-----|
| | | W | | | | A | D |
| with T5 electronic ballast – high efficiency range | | | | | | | |
| 35510 | PRIMA 114 ABS AC ET5 | 1x14 | T5/G5 | 97 | 1,0 | 662 | 350 |
| 35520 | PRIMA 128 ABS AC ET5 | 1x28 | T5/G5 | 97 | 1,8 | 1272 | 700 |
| 35530 | PRIMA 135 ABS AC ET5 | 1x35 | T5/G5 | 96 | 2,3 | 1572 | 940 |
| 35540 | PRIMA 214 ABS AC ET5 | 2x14 | T5/G5 | 93 | 1,7 | 662 | 350 |
| 35550 | PRIMA 228 ABS AC ET5 | 2x28 | T5/G5 | 93 | 2,7 | 1272 | 700 |
| 35560 | PRIMA 235 ABS AC ET5 | 2x35 | T5/G5 | 92 | 3,7 | 1572 | 940 |
| with T5 electronic ballast – high output range | | | | | | | |
| 35515 | PRIMA 124 ABS AC ET5 | 1x24 | T5/G5 | 91 | 1,0 | 662 | 350 |
| 35525 | PRIMA 154 ABS AC ET5 | 1x54 | T5/G5 | 90 | 1,8 | 1272 | 700 |
| 35535 | PRIMA 180 ABS AC ET5 | 1x80 | T5/G5 | 88 | 2,3 | 1572 | 940 |
| 35575 | PRIMA 149 ABS AC ET5 | 1x49 | T5/G5 | 91 | 2,3 | 1572 | 940 |
| 35545 | PRIMA 224 ABS AC ET5 | 2x24 | T5/G5 | 87 | 1,7 | 662 | 350 |
| 35555 | PRIMA 254 ABS AC ET5 | 2x54 | T5/G5 | 86 | 2,7 | 1272 | 700 |
| 35565 | PRIMA 280 ABS AC ET5 | 2x80 | T5/G5 | 84 | 3,7 | 1572 | 940 |
| 35585 | PRIMA 249 ABS AC ET5 | 2x49 | T5/G5 | 87 | 3,7 | 1572 | 940 |

356xx modification **T5 ACc** – with stainless steel clips

PRIMA ta60

INDUSTRIAL WATERPROOF, DUSTPROOF
AND IMPACT RESISTANT

fluorescent lighting fittings for *higher ambient temperature ta 60 °C*



Use:

PRIMA PC ta60 luminaires are suitable for illumination of indoor industrial areas with a maximum ambient temperature 60 °C.

In corrosive environment it is necessary to have respect to possible fumes which reduce the applicability of plastics.

Description:

The luminaires are wired with halogen free wire with temperature resistance up to +110 °C.

Higher temperature resistant electromagnetic ballast is used.

| Order code | Type | Light sources | | Luminous efficiency % | Net weight kg | Dimensions mm | |
|--|--------------------|---------------|--------|-----------------------|---------------|---------------|-----|
| | | W | T8/G13 | | | A | D |
| clips made of polyamid with fibreglass | | | | | | | |
| 39310 | PRIMA 118 PC ta60 | 1x18 | T8/G13 | 89 | 1,3 | 662 | 350 |
| 39320 | PRIMA 136 PC ta60 | 1x36 | T8/G13 | 89 | 2,2 | 1272 | 700 |
| 39330 | PRIMA 158 PC ta60 | 1x58 | T8/G13 | 87 | 2,9 | 1572 | 940 |
| 39340 | PRIMA 218 PC ta60 | 2x18 | T8/G13 | 82 | 2,0 | 662 | 350 |
| 39350 | PRIMA 236 PC ta60 | 2x36 | T8/G13 | 81 | 3,5 | 1272 | 700 |
| 39360 | PRIMA 258 PC ta60 | 2x58 | T8/G13 | 79 | 4,7 | 1572 | 940 |
| clips made of stainless steel | | | | | | | |
| 39410 | PRIMA 118 PCc ta60 | 1x18 | T8/G13 | 89 | 1,3 | 662 | 350 |
| 39420 | PRIMA 136 PCc ta60 | 1x36 | T8/G13 | 89 | 2,2 | 1272 | 700 |
| 39430 | PRIMA 158 PCc ta60 | 1x58 | T8/G13 | 87 | 2,9 | 1572 | 940 |
| 39440 | PRIMA 218 PCc ta60 | 2x18 | T8/G13 | 82 | 2,0 | 662 | 350 |
| 39450 | PRIMA 236 PCc ta60 | 2x36 | T8/G13 | 81 | 3,5 | 1272 | 700 |
| 39460 | PRIMA 258 PCc ta60 | 2x58 | T8/G13 | 79 | 4,7 | 1572 | 940 |



IP65



230 V
50 Hz



Ø 26
G 13

1-2,5 mm²

t 110 °C

ta
60 °C

PC
850 °C

1F

3F

VVG

PRIMA LED

INDUSTRIAL WATERPROOF, DUSTPROOF
AND IMPACT RESISTANT
fluorescent lighting fittings with LEDs



IP65



230 V
50 Hz



LED

1-2,5 mm²



t 105 °C

t_a
-20 °C

PC
850 °C

Use:

Fluorescent PRIMA LED luminaires are suitable for illumination of areas with low ambient temperature. The lifetime of LEDs is not reduced with often switching.

Description:

The luminaires are equipped with high efficiency LED tubes (Ø 28 mm) with long service life.

The tubes have cooling aluminium profile and opal plastic cover.

Lampholder: GU10.

| Order code | Type | Light sources | Luminous flux | Number of LEDs | Net weight | Dimensions | |
|---------------------------|------------------|---------------|---------------|----------------|------------|------------|-----|
| | | W | lm | | | A | D |
| with LEDs 6000 K daylight | | | | | | | |
| 37313 | PRIMA PC LED 110 | 1x10 | 735 | 128 | 0,7 | 662 | 350 |
| 37323 | PRIMA PC LED 120 | 1x20 | 1534 | 256 | 1,5 | 1272 | 700 |
| 37333 | PRIMA PC LED 125 | 1x25 | 1800 | 320 | 2,0 | 1572 | 940 |
| 37343 | PRIMA PC LED 210 | 2x10 | 1470 | 256 | 1,3 | 662 | 350 |
| 37353 | PRIMA PC LED 220 | 2x20 | 3068 | 512 | 2,4 | 1272 | 700 |
| 37363 | PRIMA PC LED 225 | 2x25 | 3600 | 640 | 3,4 | 1572 | 940 |

373x1 modification LED 3000 K – warm white

373x2 modification LED 4000 K – cool white

374xx modification with stainless steel clips

PRIMA t_a-40

INDUSTRIAL WATERPROOF,
DUSTPROOF AND IMPACT RESISTANT

fluorescent lighting fittings
for *extremely low ambient temperature up to -40 °C*

Polar



Use:

Fluorescent luminaires PRIMA PC ta-40 Polars are suitable for illumination of areas with extremely low ambient temperature up to -40 °C.

Description:

The luminaires are equipped with glow switch starters for igniting fluorescent lamps in arctic conditions.

It is necessary to use special double-tube fluorescent tubes (Philips Master Xtra Polar or Aura Ultimate Thermo) to be able to achieve the requested level of luminous flux. Fluorescent tube diameter is 38 mm or 32 mm.

| Order code | Type | Light sources | | Luminous efficiency % | Net weight kg | Dimensions mm | |
|--|--------------------------|---------------|--------|-----------------------|---------------|---------------|-----|
| | | W | T8/G13 | | | A | D |
| modification for extremely low ambient temperature to -40 °C | | | | | | | |
| 38310 | PRIMA 118 PC Polar ta-40 | 1x18 | T8/G13 | 89 | 1,3 | 662 | 350 |
| 38320 | PRIMA 136 PC Polar ta-40 | 1x36 | T8/G13 | 89 | 2,2 | 1272 | 700 |
| 38330 | PRIMA 158 PC Polar ta-40 | 1x58 | T8/G13 | 87 | 2,9 | 1572 | 940 |
| 38340 | PRIMA 218 PC Polar ta-40 | 2x18 | T8/G13 | 82 | 2,0 | 692 | 350 |
| 38350 | PRIMA 236 PC Polar ta-40 | 2x36 | T8/G13 | 81 | 3,5 | 1272 | 700 |
| 38360 | PRIMA 258 PC Polar ta-40 | 2x58 | T8/G13 | 79 | 4,7 | 1572 | 940 |

384xx modification with stainless steel clips



PRIMA-Ex

INDUSTRIAL WATERPROOF,
DUSTPROOF AND IMPACT RESISTANT

fluorescent lighting fittings suitable for ambient with a danger of explosion



Use:

PRIMA...PCc Ex industrial waterproof and dustproof lighting fittings with higher impact resistance are suitable for illumination of areas with a danger of flammable dust, gas and vapour explosion.

The above mentioned ambient corresponds to the European Union directive No.: 94/9/EC (NV 23/2003 Sb.): Ex II 3GD Ex nA II T4-T5, T_{max} - see table on the next page.

Lighting fittings are designed for ambient temperature from -20 °C to +40 °C

The luminaires are certified by FTZÚ Ostrava – Radvanice.
Certificate No: FTZÚ 08 ATEX 0168X
(Installed luminaire has to be protected from mechanical damage)

Description, optics:

The body is made by injection of impact and heat resistant polycarbonate of grey color.

There are two 20,5 mm holes for Pg 13,5 cable glands in the body. Fixing of the body with diffuser is solved with stainless steel clips. The luminaire is fixed with a foamed Polyurethan sealing injected directly to the body.

The diffuser is made by injection of transparent stabilized polycarbonate (PC) with a high impact resistance.

The reflector is made of the steel sheet, powder coated with white colour. Electric equipment of the lighting fittings is fixed on the reflector. Polished aluminium parabolic reflector (PAR) can be delivered on demand.

The way of fitting's suspension:

- directly on a surface (also flammable) using stainless steel brackets
- using stainless steel hooks delivered as standard accessories



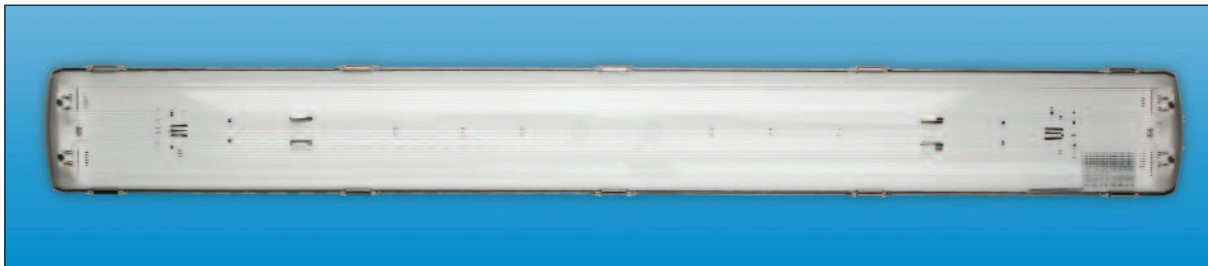
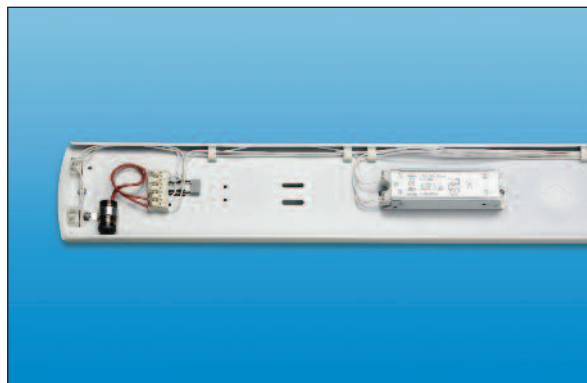
FTZÚ 08
ATEX 0168

IP66



230 V
50 Hz





Electric equipment modifications suitable for the ambient with danger of explosion

- with magnetic ballast

There are mounted B1 class magnetic ballasts on the reflector, 3 pole (resp. 5 pole) terminal block for connecting supply cable with a wire up to 2,5mm² and another 2 pole connecting terminal block.

The reflector is also provided with shake resistant lampholders. By the use of a special metal holder, an electronic starter (Pulsestarter EFS in modification for EEx nA II) is fixed to the reflector.

The lighting fitting can be additionally compensated with DNA capacitor.

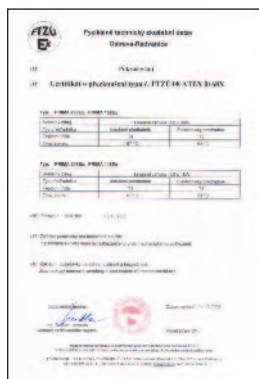
- with electronic ballast type Osram, Helvar, Philips or Vossloh-Schwabe.

The connection of electric parts is accomplished with halogen free wire with temperature resistance from -30 °C to +100 °C.

On demand, the lighting fittings can be 1 phase or 3 phase through wired.



| Order code | Type | Light sources | Temperature class | Max. surface temperature | Luminous efficiency | Net weight | Dimensions | |
|-------------------------|--------------------|---------------|-------------------|--------------------------|---------------------|------------|------------|-----|
| | | W | | | | | °C | % |
| with magnetic ballast | | | | | | | | |
| 39010 | PRIMA 118 PCc Ex | 1x18 | T4 | 67 | 89 | 1,4 | 662 | 350 |
| 39020 | PRIMA 136 PCc Ex | 1x36 | T4 | 67 | 89 | 2,3 | 1272 | 700 |
| 39030 | PRIMA 158 PCc Ex | 1x58 | T4 | 67 | 87 | 3,0 | 1572 | 940 |
| 39040 | PRIMA 218 PCc Ex | 2x18 | T4 | 67 | 82 | 2,1 | 662 | 350 |
| 39050 | PRIMA 236 PCc Ex | 2x36 | T4 | 67 | 81 | 3,6 | 1272 | 700 |
| 39060 | PRIMA 258 PCc Ex | 2x58 | T4 | 67 | 79 | 4,8 | 1572 | 940 |
| with electronic ballast | | | | | | | | |
| 39025 | PRIMA 136 PCc Ex E | 1x36 | T5 | 53 | 89 | 2,0 | 1272 | 700 |
| 39035 | PRIMA 158 PCc Ex E | 1x58 | T5 | 60 | 87 | 2,6 | 1572 | 940 |
| 39055 | PRIMA 236 PCc Ex E | 2x36 | T5 | 53 | 81 | 3,0 | 1272 | 700 |
| 39065 | PRIMA 258 PCc Ex E | 2x58 | T6 | 60 | 79 | 4,0 | 1572 | 940 |

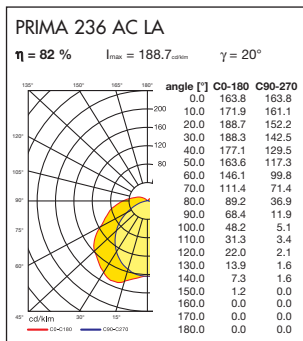
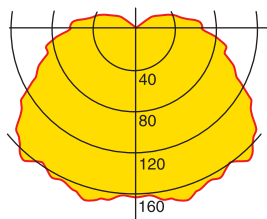


ACCESSORIES FOR PRIMA



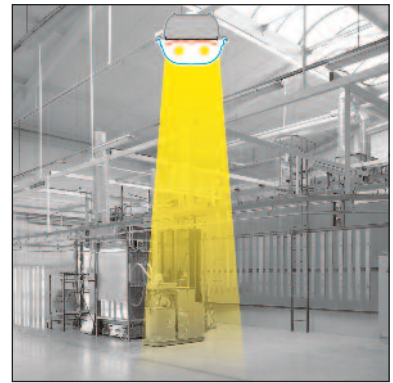
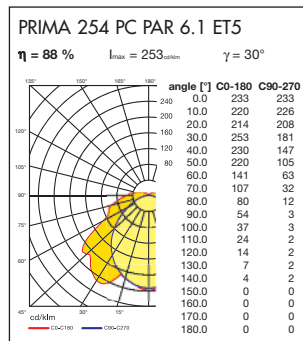
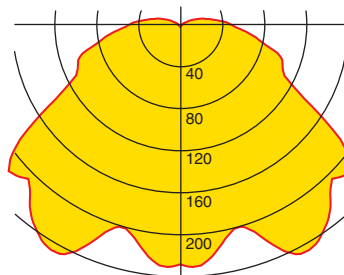
white reflector
for suspension height up to 6 m

polished Al reflector
for suspension height up to 7 m



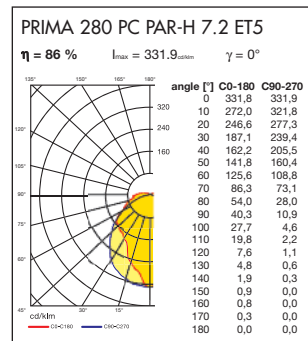
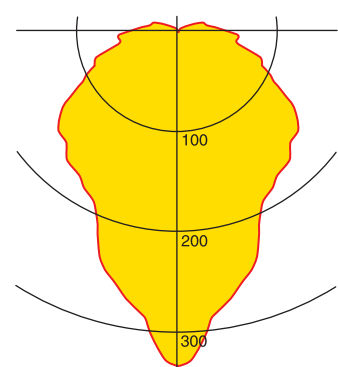
parabolic reflector PAR 5. – T8
parabolic reflector PAR 6. – T5

for suspension height 6 - 9 m



parabolic reflector PAR-H 7. – T5

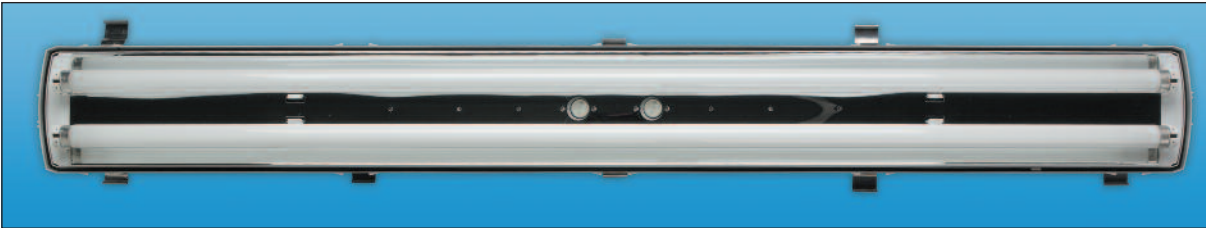
for suspension height 7 – 11 m



Accessories for PRIMA

| Order code | Type | |
|------------|-----------|---|
| 11951 | PAR 5.1 | polished aluminium parabolic reflector for PRIMA 236 |
| 11952 | PAR 5.2 | polished aluminium parabolic reflector for PRIMA 258 |
| 11953 | PAR 5.3 | polished aluminium parabolic reflector for PRIMA 136 |
| 11954 | PAR 5.4 | polished aluminium parabolic reflector for PRIMA 158 |
| 11961 | PAR 6.1 | polished aluminium parabolic reflector for PRIMA T5 228/254 |
| 11962 | PAR 6.2 | polished aluminium parabolic reflector for PRIMA T5 235/249/280 |
| 11963 | PAR 6.3 | polished aluminium parabolic reflector for PRIMA T5 128/154 |
| 11964 | PAR 6.4 | polished aluminium parabolic reflector for PRIMA T5 135/149/180 |
| 11971 | PAR-H 7.1 | polished aluminium parabolic reflector for PRIMA T5 228/254 |
| 11972 | PAR-H 7.2 | polished aluminium parabolic reflector for PRIMA T5 235/249/280 |

PAR 5.1, 5.3 - T8



PAR-H 7.1 - T5



PAR 6.1 - T5



LA - T5
PAR-H 7.1 - T5

