

# 793-MULTIPROOF

Professional dust and waterproof extruded luminaires with LED modules.

**For diverse industrial areas! (farming or food and outdoor)**

## YOUR MAIN BENEFITS:

The luminaires fulfil the requirements of food law (HACCP) - highly resistant against several detergents and chemicals - also withstanding the high-pressure jet water (on request IP69)



## FIELD OF APPLICATION:

Due to the construction principles of the extruded profile and the end caps, our LED fixtures ensure a **high grade of protection (IP66, IP67, IP69)** against dust, contamination and water permeation. In accordance with their IP grade, they can be widely used to illuminate spaces with dusty, humid environment.

Thanks to its enhanced weather and chemical resistance, 793-Multiproof is extremely versatile and suitable for a plenty of applications where errorfree functioning is desired.

The co-extruded PMMA profile allows us **placement in farming industry or in food-processing industry and in outdoor areas.**

## TECHNICAL DESCRIPTION AND BENEFITS:

- **Housing:** Made of **Acrylic (PMMA)** by **co-extrusion**, in white (RAL 9010) colour. The optical diffusing (upper) part is opalised. Thanks to the **strengthened Acrylic** raw material used, the whole fitting shows very high mechanical strength and **high heat and shock resistance** ( $\geq$  IK08). At the same time further main advantages of the PMMA also apply such as **weather, chemical and UV resistance.**
- The **co-extruded opal** diffuser offers you:
  - **high light transmissivity** (up to 89%)
  - **homogenous, well-balanced light dispersing** (no shadows)
  - **elimination of the dazzling effect** (no glare)
  - **unique appearance and clean impression (no clips, no dots of the single LED's)**
- **End caps:** Made of impact resistant polyamide and glued to the body
- **Gear tray** (reflector): White powder coated steel sheet according to **Zhaga** standards or customized.
- **Electrical components:** The adequate power supply is ensured through electronic driver, that is built into the luminaire.

LED

CE

HACCP

793-MULTIPROOF

IP66



Option:

IP67

IP69



1F

3F



## Main technical options

The gear tray is made of white powder coated steel sheet according to **Zhaga** standards.



The diffusing part of the co-extruded PMMA profile is made of UV stabilized, **opalized** material ensuring well-balanced light distribution and the elimination of glare. **The light angle is adjustable** thanks to the freely **rotatable tube** in the clamps (no shadows).

**Ways of installing:** With stainless steel **mounting clamps**. They are easy to install onto the **wall or ceiling**. The clamps can be positioned freely on the fixture thus the tube is freely rotatable.

**Quick installation:** thanks to the application of **rapid connector** (Adels, Stucchi, Wieland), the electrical connection is fast and easy even without disassembling the luminaire. **Your benefits:** significant **cost savings and increased competitiveness** on the market.



**In food industry and outdoor areas:** thanks to the **venting plug** the condensation of the humidity inside the luminaire can be **avoided**.



**In farmer industry:** the luminaire is equipped with special chemically-resistant electronic components (LED modules with protective layer, hermetically sealed driver, tinned cables, Adels rapid connector)

The glued end caps are locked up hermetically ensuring the **high IP protection** (up to IP69).



## Technical data (extract)

| Products with a 5-year warranty | Power (W) | Luminaire total luminous flux - emitted (lm) PMMA | Lum. efficacy (lm/W) PMMA | CRI | Lifetime L70B50 (Ta=35°C) | Lifetime L80B10 (Ta=35°C) | A (mm) | B (mm) | Weight (kg) | EEL |
|---------------------------------|-----------|---|---------------------------|-----|---------------------------|---------------------------|--------|--------|-------------|-----|
|---------------------------------|-----------|---|---------------------------|-----|---------------------------|---------------------------|--------|--------|-------------|-----|

### Lumnium EU (CCT: 4000K, on request other CCTs are available)

|                  |    |      |     |     |           |           |      |     |      |   |
|------------------|----|------|-----|-----|-----------|-----------|------|-----|------|---|
| 793 2ft (600mm)  | 24 | 3200 | 133 | >80 | >72 000 h | >72 000 h | 602  | 400 | 0,91 | D |
| 793 4ft (1200mm) | 24 | 3400 | 144 | >80 | >72 000 h | >72 000 h | 1164 | 775 | 1,49 | D |
| 793 5ft (1500mm) | 30 | 4200 | 140 | >80 | >72 000 h | >72 000 h | 1462 | 975 | 1,79 | D |
| 793 4ft (1200mm) | 37 | 5000 | 133 | >80 | >72 000 h | >72 000 h | 1164 | 775 | 1,49 | D |
| 793 5ft (1500mm) | 51 | 6700 | 134 | >80 | >72 000 h | >72 000 h | 1462 | 975 | 1,79 | D |

### Lumnium EU PRO (CCT: 4000K, on request other CCTs are available)

|                  |    |      |     |     |           |           |      |     |      |   |
|------------------|----|------|-----|-----|-----------|-----------|------|-----|------|---|
| 793 4ft (1200mm) | 22 | 3150 | 143 | >80 | >72 000 h | >72 000 h | 1164 | 775 | 1,49 | C |
| 793 5ft (1500mm) | 27 | 3900 | 146 | >80 | >72 000 h | >72 000 h | 1462 | 975 | 1,79 | C |
| 793 4ft (1200mm) | 32 | 4600 | 149 | >80 | >72 000 h | >72 000 h | 1164 | 775 | 1,49 | C |
| 793 5ft (1500mm) | 41 | 6300 | 154 | >80 | >72 000 h | >72 000 h | 1462 | 975 | 1,79 | C |

793-MULTIPROOF

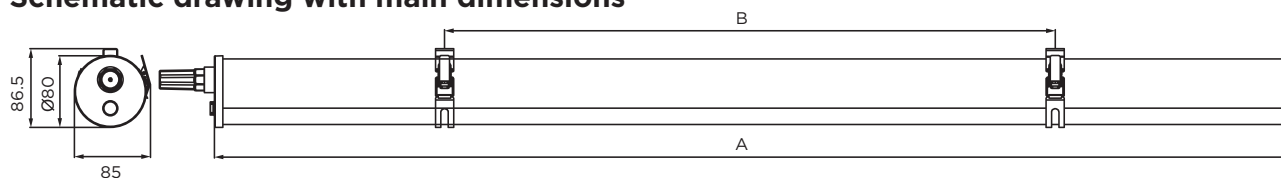
Further options:



On request:

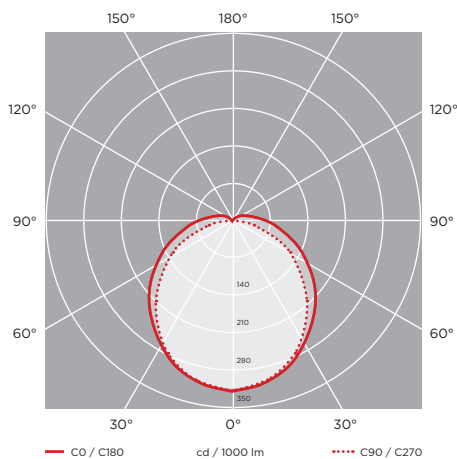


## Schematic drawing with main dimensions

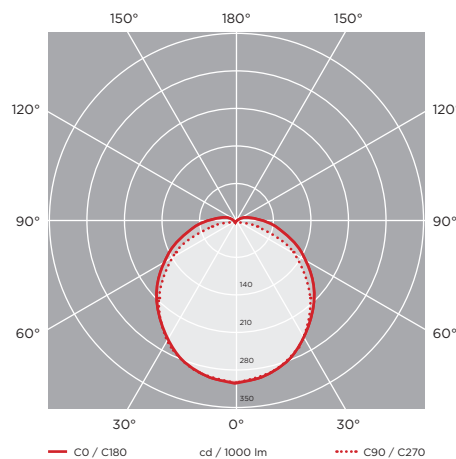


## Photometric curves:

793-Multiproof, 5ft (1500mm), Lumnium EU, 51W, 6700lm



793-Multiproof, 5ft (1500mm), Lumnium EU PRO, 41W, 6300lm



*Luminaire customisation and the options of advanced controls are presented on page 5*