

# 790-XTRUDE

## Industrial dust and waterproof luminaires with LED modules

Unique appearance with easier, quick installation!

Extruded profile with outstanding light transmissivity! Specially developed for LED applications.

### YOUR MAIN BENEFITS:

Quick installation, length perfectly adapted to the size of the LED modules



### FIELD OF APPLICATION:

Thanks to the construction principles of gasket, end caps and the extruded profile our LED fixtures ensure a high grade of protection (IP 65) against dust, contamination and water permeation. In accordance with their IP grade they can be widely used to illuminate spaces with dusty, humid environment.

When using outdoors, the fittings should be protected against direct sunlight and adverse weather conditions.

### TECHNICAL DESCRIPTION AND BENEFITS:

- **Housing:** Made of **Polycarbonate (PC)** by **co-extrusion**. The housing is made in light grey (RAL7035) colour. The diffusing (upper) part is opalised. Thanks to the used raw material the whole fitting shows very high mechanical strength and **high heat and shock resistance (IK08)**.
- The **co-extruded opal** diffuser offers you:
  - **extremely high light transmissivity** (up to 90%) **unique on the market**
  - **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)
  - **keeping the usual, well-known features of the diffuser** such as chemical and heat resistance, mechanical features, **UV stabilization** etc.
- **End caps:** Made of extremely resistant polyamide and glued to the housing.
- **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.



790-XTRUDE

IP65



Option:





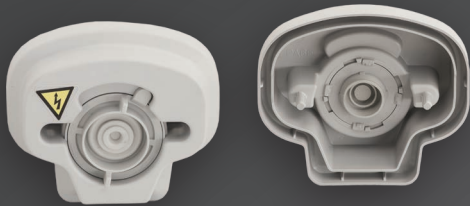
## Main technical options

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



## 790-XTRUDE

The diffusing part of the profile is made of UV stabilized **opalised** material, specially developed for LED applications. This ensures among others a well-balanced light distribution and the **elimination of glare**.

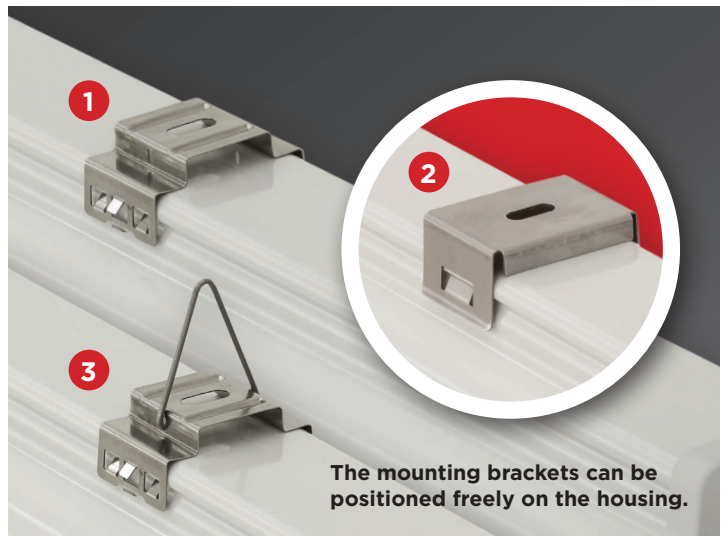


IP 65 protection is ensured by adhesive that is placed into the seal channel and it secures the end caps to the body.



The **pull-out (sliding) tray** accelerates the electrical connection easily **without disassembling** the luminaire.

The glued end caps are locked up hermetically by a bayonet mechanism. After opening it, the connector tray is accessible.



The mounting brackets can be positioned freely on the housing.

In option:

The 790-Xtrude product is available with **transparent housing** and **asymmetric beam optics** as **790-Xtrude AB version**.

### Ways of installing:

1. With stainless steel mounting brackets (easy-to-install) onto the ceiling.
2. With **strengthened** stainless steel mounting brackets. They are easy to install onto the wall or ceiling.
3. **Suspension on chains or rope** with stainless steel suspension brackets mounted with **hooks**.



## Technical data (extract)

\* EPREL data base is available at <https://eprel.ec.europa.eu/screen/product/lightsources/xxxxxxx> (where the xxxxxx have to be substituted by the reference number given in the last coloumn)

Products with 5 years warranty	Power (W)	Lum. total luminous flux emitted (lm)		Lum. efficacy (lm/W)		CCT (Kelvin)	CRI	Lifetime L70B50 (Ta=35°C)	Lifetime L80B10 (Ta=35°C)	A (mm)	B (mm)	Weight (kg)	EEL	Light source* (reference)
		PMMA	PC	PMMA	PC									
<b>Lumnium EU 130 SO with Osram driver</b>														
790 2ft (600mm)	25	n.a.	3400	n.a.	136	4000	>80	>72 000 h	>50 000 h	648	350	0,8	D	1059419
790 4ft (1200mm)	25	n.a.	3400	n.a.	136	4000	>80	>72 000 h	>50 000 h	1208	600	1,2	D	802364
790 5ft (1500mm)	31	n.a.	4200	n.a.	135	4000	>80	>72 000 h	>50 000 h	1488	850	1,3	D	734821
790 4ft (1200mm)	38	n.a.	5100	n.a.	134	4000	>80	>72 000 h	>50 000 h	1208	600	1,6	D	734862
790 5ft (1500mm)	51	n.a.	6800	n.a.	133	4000	>80	>72 000 h	>50 000 h	1488	850	1,7	D	734813
<b>Lumnium EU PRO 160 SO with Osram driver</b>														
790 4ft (1200mm)	22	n.a.	3300	n.a.	150	4000	>80	>72 000 h	>50 000 h	1208	600	1,2	C	803878
790 5ft (1500mm)	27	n.a.	4100	n.a.	151	4000	>80	>72 000 h	>50 000 h	1480	850	1,3	C	734800
790 4ft (1200mm)	31	n.a.	4800	n.a.	154	4000	>80	>72 000 h	>50 000 h	1208	600	1,6	C	803933
790 5ft (1500mm)	41	n.a.	6400	n.a.	156	4000	>80	>72 000 h	>50 000 h	1480	850	1,7	C	734760
<b>Lumnium EU PRO 140 HF with Philips driver</b>														
790 4ft (1200mm)	61	n.a.	8100	n.a.	132	4000	>80	>72.000 h	>50.000 h	1208	600	1,6	D	734708
790 5ft (1500mm)	77	n.a.	10000	n.a.	130	4000	>80	>72.000 h	>50.000 h	1480	850	1,7	D	734742
<b>Osram Basic Linear G3</b>														
790 2ft (600mm)	21	n.a.	2600	n.a.	116	4000	>80	>50 000 h	>41 000 h	648	350	0,9	D	892178
790 4ft (1200mm)	23	n.a.	2900	n.a.	126	4000	>80	>50 000 h	>50 000 h	1208	600	1,45	D	892186
790 5ft (1500mm)	28	n.a.	3800	n.a.	138	4000	>80	>50 000 h	>50 000 h	1488	850	1,72	D	892176 892186
790 4ft (1200mm)	28	n.a.	3600	n.a.	130	4000	>80	>50 000 h	>45 000 h	1208	600	1,45	D	892188
790 5ft (1500mm)	35	n.a.	4900	n.a.	142	4000	>80	>50 000 h	>50 000 h	1488	850	1,72	D	892178 892188
790 4ft (1200mm)	38	n.a.	5000	n.a.	130	4000	>80	>50 000 h	>43 000 h	1208	600	1,45	D	892188
790 5ft (1500mm)	47	n.a.	6600	n.a.	141	4000	>80	>50 000 h	>43 000 h	1488	850	1,72	D	892178 892188
<b>Philips Fortimo LED Strip HV6</b>														
790 4ft (1200mm)	56	n.a.	8200	n.a.	143	4000	>80	>100 000 h	>64 000	1208	600	1,6	C	893529
790 5ft (1500mm)	70	n.a.	10000	n.a.	142	4000	>80	>100 000 h	>64 000	1488	850	1,7	C	893525 893529

790-XTRUDE

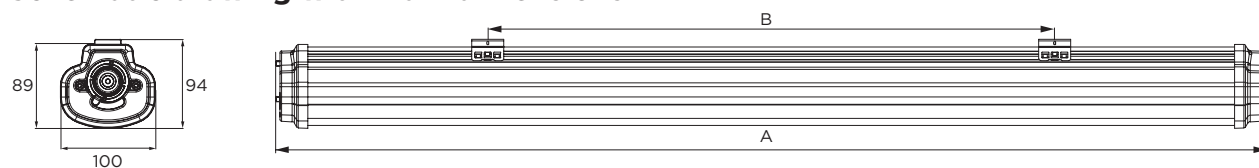
Further options:



On request:



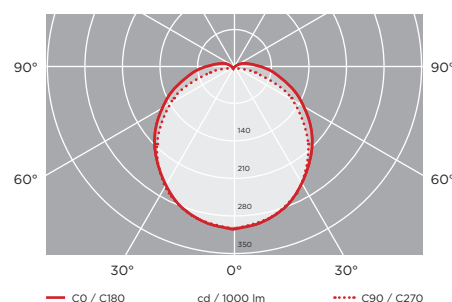
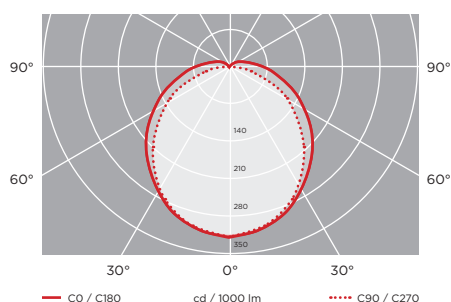
## Schematic drawing with main dimensions



## Photometric curves:

790-Xtrude, 4 ft (1200mm)  
Osram Basic Linear G3, 28W, 3600lm, PC

790-Xtrude, 5 ft (1500mm),  
Lumnium EU 130 SO, 51W, 6800lm, PC



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