

Beta A3F 90 - Beta A3F 91

Construction characteristics

Illuminotechnical characteristics

The luminaires for T5 and T8 lamps are equipped with (49-80-36 and 58W) flow recuperators and polycarbonate or glass diffuser. They supply wide or concentrated distribution.

Mechanical characteristics

Single-piece housing in pressed aluminium, powder-coated in white epoxy-polyester. Oversized flow recuperator in specular aluminium, with superficial titanium-magnesium treatment, non-iridescent. Pre-installed in 49-80-36 and 58W versions. Diffuser in self-extinguishing V2 polycarbonate, UV stabilised, injection moulded, sealing gasket, hinged opening by means of stainless steel clips. Transparent tempered glass, sealing gasket, single-piece perimetrical frame in stainless steel, hinged opening by means of stainless steel clips.

Electrical characteristics

EEL A2 electronic wiring, 230V-50/60 Hz, power factor >0.95, ballast with lamp warm start. 2x80 T5 versions for ambient temperature of about 25°C; for more difficult conditions such as $T_a \geq 35^\circ\text{C}$ request luminaires with suitable ballasts. EEL B1 very low loss starter wiring, 230V-50Hz, power factor correction, fuse. EP maintained emergency wiring on one single lamp, Ni-Cd battery, inverter, 1hr duration with 24hrs recharge, fuse.

On request: inhibition.

In compliance with

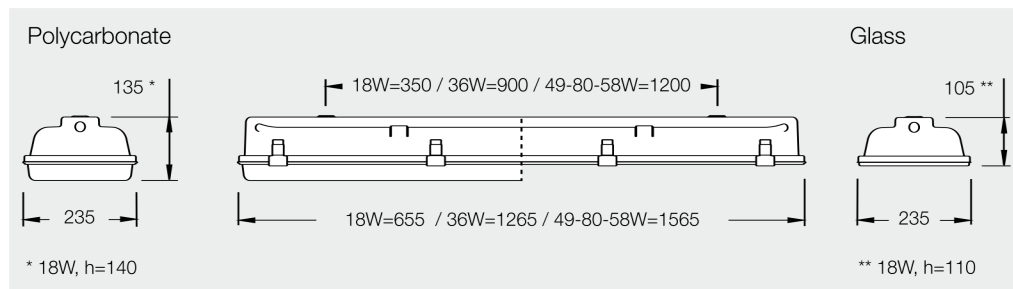
EN 60598-2-22.

Entry for power-supply cable at one end cap.

Supplied

T5 fluorescent lamps, mounted, triphosphorous /840, ecological, with colour rendering $R_a > 80$, colour temperature 4000°K.

In compliance with EN 12464-1. Flow recuperator in 49-80-36 and 58W versions.



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Installations

Directly to the ceiling, suspended, on busbar or wall-mounted. Mounting hooks and brackets see accessories.

Applications

Any environment except the ones where aluminium, polycarbonate and glass are unsuitable; in environments

requiring tamper-proof sealing, such as penitentiaries, thanks to the clips that can be locked by bolts (on request, see on p. 251).



In environments with foodstuffs, meat processing or machines with parts in motion, with considerable temperature sudden changes, and in general in any environments requiring a total protection against falling fragments, use luminaires with laminated glass only (on request). Tempered glass is not exempt from fall of inoffensive fragments, caused by shocks or exceptionally derived from tempering.

On request

Fuse accessory for electronic version see p. 321

Luminaires with:

Electronic wiring, dimmable electronic wiring, twin-circuit, emergency wiring (2x80W excluded).

V0 polycarbonate diffuser.

Different powers T5.

Electronic multiwatt ballasts for T5 lamps.

18W version with flow recuperator. 49-80-36 and 58W versions with no flow recuperators.

Luminaires with asymmetric or super-wide flow recuperators. Laminated glass.

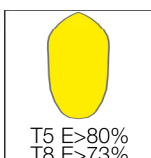
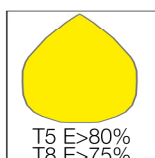


Electronic luminaires, Class II, in compliance with 94/9/CE (ATEX) standard, group II, category 3D, for Zone 22.

Waterproof and corrosion-proof IP65 luminaires

Beta A3F 90

Aluminium - Polycarbonate



850°C

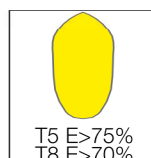
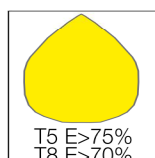
Housing in white aluminium.

Flow **recuperator** in specular aluminium.

Diffuser in polycarbonate with smooth outer surface and differentiated prismatic inner surface.

Beta A3F 91

Aluminium - Glass



960°C

Housing in white aluminium.

Flow **recuperator** in specular aluminium.

Transparent, non-combustible tempered **glass**.

Item	Code
Beta A3F 90 T8 Aluminium - Polycarbonate	
Starter EEI B1 , fuse	
A3F 901x18	5440
A3F 902x18	5441
Version with WIDE flow recuperator	
A3F 901x36 AMPIO	5442
A3F 901x58 AMPIO	5443
A3F 902x36 AMPIO	5444
A3F 902x58 AMPIO	5445
Emergency , fuse	
A3F 902x36 EP AMPIO	5450
A3F 902x58 EP AMPIO	5451
Electronic EEI A2	
A3F 901x36 HF AMPIO	5446
A3F 901x58 HF AMPIO	5447
A3F 902x36 HF AMPIO	5448
A3F 902x58 HF AMPIO	5449
Starter EEI B1 , fuse	
Version with CONCENTRATED flow recuperator	
A3F 901x58 CONC	5454
A3F 902x58 CONC	5455

Beta A3F 90 T5 Aluminium - Polycarbonate

pre-mounted lamps

Electronic EEI A2

Version with WIDE flow recuperator

A3F 901x49 T5 HF AMPIO	5956
A3F 901x80 T5 HF AMPIO	5957
A3F 902x49 T5 HF AMPIO	5959
A3F 902x80 T5 HF AMPIO	5960

Version with CONCENTRATED flow recuperator

A3F 901x80 T5 HF CONC	5968
A3F 902x80 T5 HF CONC	5970

Item	Code
Beta A3F 91 T8 Aluminium - Glass	
Starter EEI B1 , fuse	
A3F 911x18	5460
A3F 912x18	5461
Version with WIDE flow recuperator	
A3F 911x36 AMPIO	5462
A3F 911x58 AMPIO	5463
A3F 912x36 AMPIO	5464
A3F 912x58 AMPIO	5465
Emergency , fuse	
A3F 912x36 EP AMPIO	5470
A3F 912x58 EP AMPIO	5471
Electronic EEI A2	
A3F 911x36 HF AMPIO	5466
A3F 911x58 HF AMPIO	5467
A3F 912x36 HF AMPIO	5468
A3F 912x58 HF AMPIO	5469
Starter EEI B1 , fuse	
Version with CONCENTRATED flow recuperator	
A3F 911x58 CONC	5474
A3F 912x58 CONC	5475

Beta A3F 91 T5 Aluminium - Glass

pre-mounted lamps

Electronic EEI A2

Version with WIDE flow recuperator

A3F 911x49 T5 HF AMPIO	5981
A3F 911x80 T5 HF AMPIO	5982
A3F 912x49 T5 HF AMPIO	5984
A3F 912x80 T5 HF AMPIO	5985

Version with CONCENTRATED flow recuperator

A3F 911x80 T5 HF CONC	5993
A3F 912x80 T5 HF CONC	5995

Specifications on p. 249

Flow recuperators and distributions on p. 250

Accessories on p. 251