



Construction characteristics

Illuminotechnical characteristics

The luminaires for compact lamps are equipped with wide and concentrated flow recuperators. See diagrams on p. 253 describing the increasing trend of the luminous flux in time with respect to store ambient temperature.

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. Gear-tray unit in hot-galvanized steel, painted in white polyester, fixed to the housing by means of galvanized steel rapid "Ribloc" devices, hinged opening. Diffuser in transparent self-extinguishing V2 polycarbonate, UV stabilised, injection moulded with smooth outer surface and differentiated prismatic inner surface, sealing gasket, hinged opening. Diffuser fastening clips in AISI 304 stainless steel.

Electrical characteristics

EEL A2 electronic wiring, 230V-50/60Hz, fuse, lamp warm start. Entry for power-supply cable at end cap through a cable gland of the Skintop PG13.5 type. Safety thermostat protecting the components for 1+1x80 and 2x55 models. When it trips, it cuts luminaire power supply in case of internal overtemperature (for instance when cold store temperature is +25°C during set-up or maintenance). L-N-T line terminal block with ceramic isolator protection powder-filled fuse, of the rapid type, 5x20 mm, of suitable capacity, interrupt rating 1500 A. Rigid single-pole cable wires, H05V2-U type, cross-sect. 0.5 mm².



Appendix

Lighting engineering page	300
Photometrics on web-site/software	
Lamps and lamp caps	307
Electrical engineering	310
Emergency	311
Electronics	312
Mechanics	318
Analytical guide	320

Installation

By means of slotted corner brackets and stainless steel nuts and bolts.

Supplied

Fluorescent **compact lamps**, **mounted**, with colour temperature 4000°K-840, colour rendering Ra >80, 2G11 cap. In compliance with EN 12464-1. Fixing brackets.

Applications

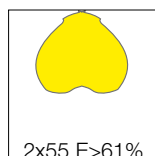
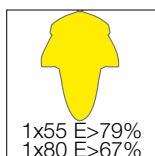
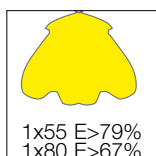
Cold stores with temperature from -10° to -30°C, except the ones where the luminaire materials are unsuitable.

Luminaires operating temperature:	
2x55C	from -10°C to -30°C
1x55C	from +25°C to -25°C
1+1x80C	from -10°C to -30°C
1+1x55C	from +25°C to -20°C

Waterproof and corrosion-proof IP65 luminaires

Beta Ice

Aluminium - Polycarbonate



Housing in aluminium.

Flow **recuperator** in specular aluminium.

Polycarbonate **diffuser**.

Item	Code
Beta Ice Aluminium - Polycarbonate pre-mounted lamps	
EEI A2 electronic wiring , fuse	
WIDE flow recuperator	
A3F Ice 902x55 C LD HF AMPIO	5532
A3F Ice 901+1x80 C LD HF AMPIO	5534
A3F Ice 901x55 C LD HF AMPIO	5536
A3F Ice 901+1x55 C LD HF AMPIO	5538
CONCENTRATED flow recuperator	
A3F Ice 901+1x80 C LD HF CONC	5535
A3F Ice 901+1x55 C LD HF CONC	5539

Diagrams about luminous flux increase in time with respect to store temperature

