FROST PLUS



... for cold stores and freezing facilities with temperatures down to -40 °C

USE

Temperatures of chilled foods range from 0–5 degrees, whilst in freezing facilities can drop up to –40 degrees Celsius. Suitable luminaires for such demanding environments must handle extreme low temperatures, withstand condensation and vapors, have low maintenance and long service life to keep costs low.

Our lighting fixture for freezing storage and chilled storage saroundings is made of ABS material, is weather-proofed and chemically resistant (IP66 and IK 06).

FROST PLUS provide with high quality and good solution enduring a long service life of 50 000 hours.

ADVATAGES

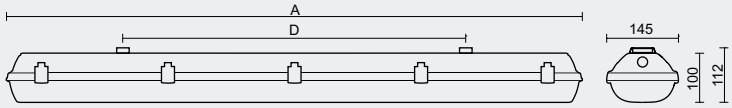
- Light fitting protection IP66
- Minimum ambient temperature down to ta = -40 °C
- Lifetime: 50,000 hours / L90B10
- Lifetime: 100,000 hours / L80B10
- Diffuser: translucent acrylate (AC), UV stable, chemically resistant
- Body: dark grey ABS, UV stable, chemically resistant
- Standard model - CRI > 80: 4000 K
- At request CRI > 80: 3000 K, 5000 K, 6500 K, CRI > 90: 3000 K, 4000 K
- It can be delivered in dimmable version
- Through-wiring of up to 5 wires at body
- Certification: CE

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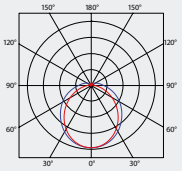


TECHNICAL DESCRIPTION

- Light fitting protection: IP66
- Minimum ambient temperature: t_a = -40 °C
- Maximum ambient temperature: t_a = 25 °C
- Maximum system efficacy: 153 lm/W
- The watt and lumen values can vary by ± 7,5 %
- Standard model - CRI > 80: 4000 K
- MacAdam = 3 SDCM
- Lifetime: 50,000 hours / L90B10
- Lifetime: 100,000 hours / L80B10
- Diffuser: translucent acrylate (AC), UV stable, chemically resistant
- Body: dark grey ABS, UV stable, chemically resistant
- Reflector: steel sheet, white colour (RAL 9003)
- Clips: polyamide + 15% glass fibre
- Sealing: polyurethane (PUR), foamed body groove
- Cable glands: screwed PG 13.5
- Distance part: polyamide + 10% glass fibre
- Terminal block: screwless, three-pole (basic version)
- Installation: package contains stainless hooks and stainless brackets
- Electric equipment: LED modules, current driver



2.4ft ABS



Type	Min. ambient temperature [°C]	Luminous flux of LED modules [lm]	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]	Net weight [kg]	A [mm]	D [mm]
For ambient temperature down to t_a = 25 °C - body: dark grey - diffuser: translucent acrylate								
FROST PLUS 2.4ft 6400/840	-40	6520	5740	38,4	149	2,25	1172	700
FROST PLUS 2.4ft 8800/840	-40	8980	7900	52,8	150	2,25	1172	700
FROST PLUS 2.5ft 8000/840	-40	8330	7330	48,3	152	2,75	1452	940
FROST PLUS 2.5ft 11000/840	-40	11260	9910	64,7	153	2,75	1452	940

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Non-dimmable driver - plastic clips

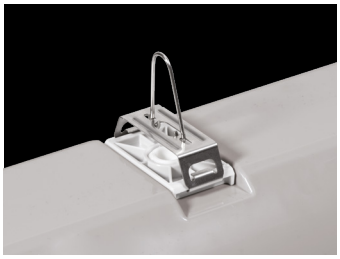
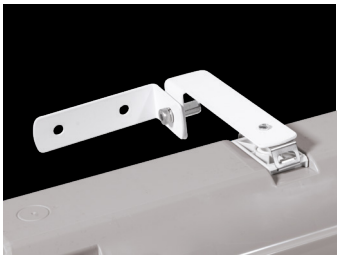
Code	Type	3F
103123	FROST PLUS 2.4ft 6400/840	103129
103124	FROST PLUS 2.4ft 8800/840	103130
103126	FROST PLUS 2.5ft 8000/840	103132
103127	FROST PLUS 2.5ft 11000/840	103133

LEGEND

3F - 3-phase 5 core through-wiring in the luminaire

LIGHT FITTING ATTACHMENT

a) Directly to a ceiling or a wall with the use of screws and stainless brackets
b) Suspension with the use of stainless hooks
c) Attachment with the use of side hangers to the wall - is not included in accessories

LIGHT FITTING DETAILED VIEW

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