



## Subject: RFM - IP 66 Fluorescent

**RFM FLUORESCENT MOISTURE PROOF**

1 x 18 W ■ 2 x 18 W ■ 1 x 36 W ■ 2 x 36 W ■ 1 x 58 W ■ 2 x 58 W

**APPLICATIONS**  
 CORRIDORS & PASSAGEWAYS  
 MOISTURE/CORROSIVE ENVIRONMENT  
 DUSTY ENVIRONMENT  
 CANOPY  
 COLD ROOMS  
**MOUNTING HEIGHT: 2 - 4 m**

- GRP base ■ acrylic diffuser ■ robust polyamide or stainless steel clips ■ roto lock lampholders
- removable powder coated gear plate ■ electromagnetic or electronic control gear ■ IP66 ■ T8 or T5 lamps

**ORDERING DATA**

CODE	CORRECTED LINE CURRENT		WEIGHT
	STARTING	RUNNING	
RFM <b>118</b> (1 X 18 W)	0.17 A	0.13 A	1.50 KG
RFM <b>218</b> (2 X 18 W)	0.29 A	0.22 A	2.00 KG
RFM <b>136</b> (1 X 36 W)	0.29 A	0.22 A	3.00 KG
RFM <b>236</b> (2 X 36 W)	0.58 A	0.44 A	4.00 KG
RFM <b>158</b> (1 X 58 W)	0.42 A	0.32 A	3.50 KG
RFM <b>258</b> (2 X 58 W)	0.84 A	0.64 A	5.00 KG

## Luminaire Housing

The Reeflite fibreglass weatherproof fluorescent consists of the following:

### GRP Base

The base of the fluorescent fitting is manufactured from robust, impact resistant glass reinforced compressed polyester, using a poured polyurethane gasket to secure the IP 66 rating. The gland is recessed in the base to prevent accidental damage.

### Gear Compartment

The control gear compartment is within the GRP base.

### Control Gear

#### *Conventional Gear*

The ELT/TRIDONIC ballast complies with SABS 1266 and SABS 1267. The capacitors bears the IEC 61048 and SABS mark. All control gear components including the terminal block are mounted on a removable powder coated mild steel gear tray that clips onto the base and is suspended from the body via two integrated gear tray holders during maintenance. Conventional control gear operational voltage is 230V +5% -5% 50Hz single phase, power factor corrected 0.90

## Electronic Gear

The TRIDONIC/OSRAM/PHILLIPS ballast operational voltage is 198V – 254V, 50Hz single phase, power factor corrected 0.98 (A2) or 0.95 (A3)

All interior wiring is 0.5mm PVC insulated wire and able to withstand temperatures of up to 80°C. The following colors are used, Live – red/brown, Neutral – blue/black, and Earth – Yellow and Green/green.

## Diffuser

The high impact resistant acrylic diffuser is secured to the base by polyamide clips. Acrylic does not yellow significantly after prolonged exposure to sunlight or to various electric light sources including fluorescent lamps. Stainless steel clips are available on request.

## Mounting

Mounting is done via two removable stainless steel clips that connects directly onto the luminaire. This means no mounting holes through the luminaire, thus securing the ingress protection rating. Two stainless steel triangular hangers comes standard that connects onto the removable stainless steel clips for hanging. Suitable for indoor and under canopy use.

## SABS marks

The luminaire is approved by the SABS and compiles with the SABS IEC 60598 safety specification.

## Ingress Protection

IP 66 protection for lamp compartment  
IP 66 protection for control gear compartment

## Guarantee

The Reeflite RFM Moisture proof fluorescent luminaire range is guaranteed for 1 (one) year in normal atmospheric conditions. The control gear is of high quality and is guaranteed for one year providing that damaged is not due to incorrect installation.

## Photometric Data

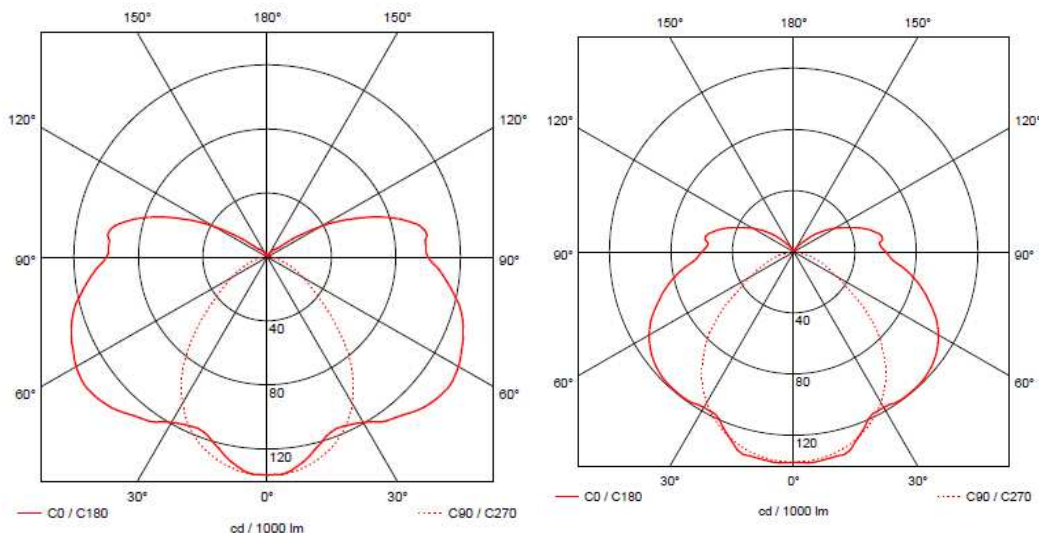


Fig 1: RFM 158 EL

Fig 2: RFM 258 EL

## Chemical Resistance

Chemical Agents	Polyester	Acrylic	Chemical Agents	Polyester	Acrylic
Diesel-naphtha oil	R	R	Calcium chloride	R	R
Mineral oil	R	R	Iron chloride	R	R
Food oil & fat	R	R	Ethanol chloride	NR	NR
Acetone	RR	NR	Sodium chloride	R	R
Acetic acid 10%	RR	R	Sulphuric chloride	R	R
Arsenic acid 20%	RR	R	Ethyl ether	R	R
Carbonic acid	RR	NR	Phenol	RR	NR
Citric acid 20%	RR	R	Petrol	R	R
Chlorhydric acid 1-5%	RR	R	Glycerin	R	R
Chromic acid	NR	RR	Hexane	RR	R
Formic acid 30%	NR	RR	Carbohydrates	RR	RR
Nitric acid 20%	NR	RR	Sodium hydroxide 5%	RR	R
Perchloric acid 10%	NR	R	Soda bleach	R	R
Sulphuric acid 30%	NR	R	Mercury	R	R
Silicon oil	R	RR	Methanol	R	NR
Bencylic alcohol	R	NR	Calcium nitrate	R	R
Ethyl alcohol	R	NR	Potassium nitrate	R	R
Isopropylic alcohol	R	RR	Oxygen	R	R
Ammonia 5%	RR	R	Ozone	R	R
Aniline	RR	NR	Potassium permanganate	R	R
Sugar	RR	RR	Oil	R	RR
Sulphar	R	R	Aluminium sulphate	R	R
Alcoholic beverages	R	R	Zink sulphate	R	R
Bencine	NR	NR	Copper sulphate	R	R
Benzyl	NR	NR	Magnesium sulphate	R	R
Bromo	NR	NR	Sodium sulphate	R	R
Potassium bromide	R	R	Carbon tetrachloride	NR	NR
Caustic potash	NR	R	Toluene	NR	NR
Cement	R	R	Trichloroethylene	NR	NR
Sea climate	R	R	Iodine	R	R
Chlorine liquid (vapour)	NR	NR	Chloroform	NR	NR