Filigare

Range of single luminaires or modular systems, fitted with high-efficiency parabolic louvres.



Filigare 180

3DEC Decorative
Steel painted white

3AO Decorative
Silver matt aluminium



Filigare 220

COM Commercial
Specular aluminium,
high efficiency,
white blades

2US Low luminance
Semi-glossy aluminium

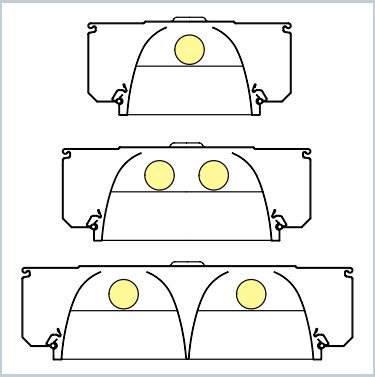
2S Low luminance
Semi-specular aluminium



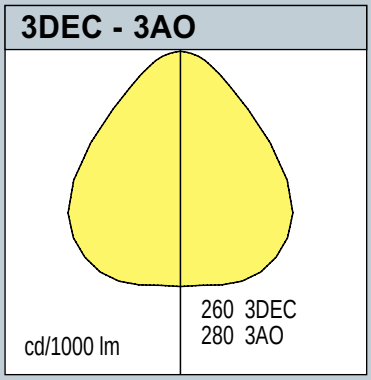
Filigare 294

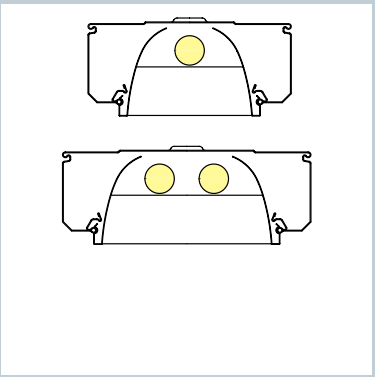
2M Low luminance
Specular aluminium

2MG Low luminance
Specular aluminium
high efficiency

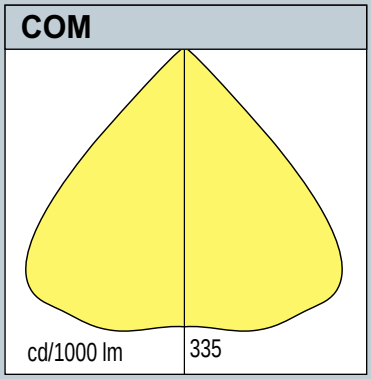


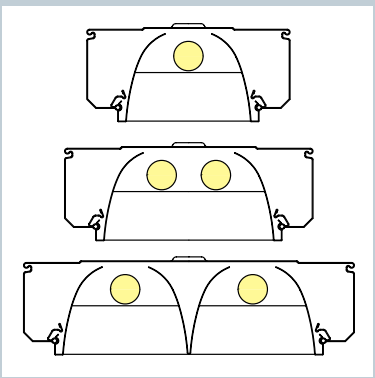
3DEC - 3AO Decorative louvres
Applications in commercial activities, architectural environments, transit areas, lobbies and waiting rooms.
Versions from page 10.7.



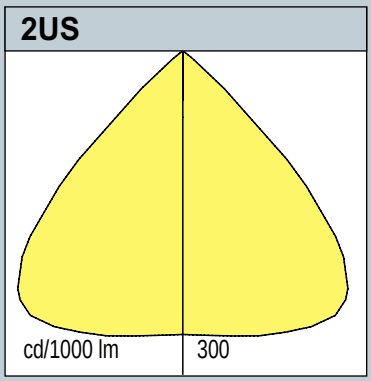


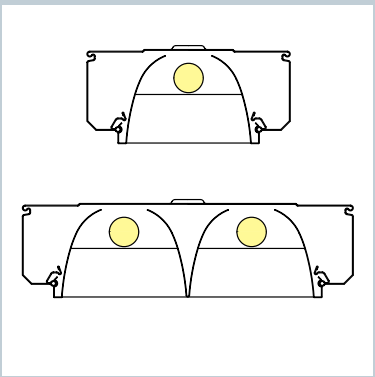
COM Commercial louvre
Applications in commercial activities and exhibition areas.
Versions from page 10.8.



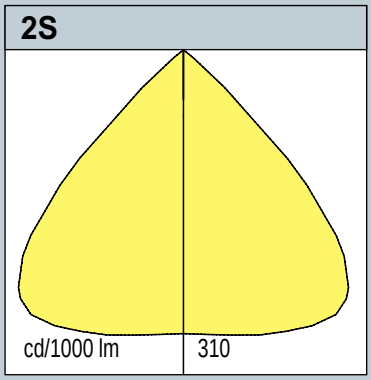


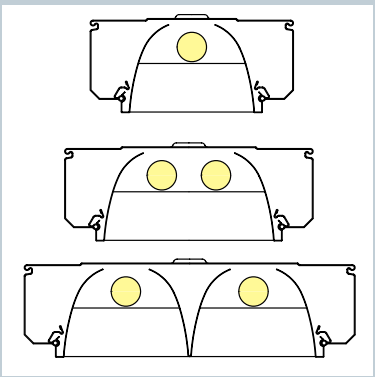
2US louvre low luminance
<200 cd/m²
Filigare 180 and 294: L<200 cd/m² for transverse and longitudinal angles >60° and radial angles >65°, CAT 2 CIBSE LG3;
Filigare 220: L<200 cd/m² for longitudinal angles >60° and L<1000 cd/m² for radial angles >65°, CAT 2 - 1000 cd/m² CIBSE LG3.
Applications in environments with VDU's, public offices and schools.
Versions from page 10.8.



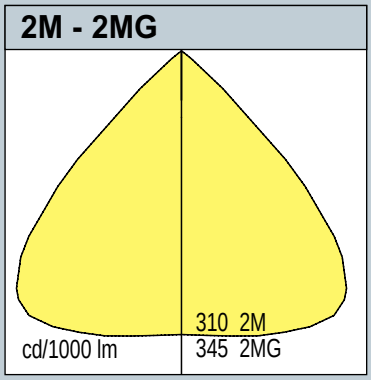


2S louvre low luminance
<200 cd/m²
Filigare 180 and 294: L<200 cd/m² for transverse and longitudinal angles >60° and radial angles >65°, CAT 2 CIBSE LG3.
Applications in environments with VDU's or with exacting visual tasks.
Filigare 180 version also available with direct/indirect distribution.
Versions from page 10.9.





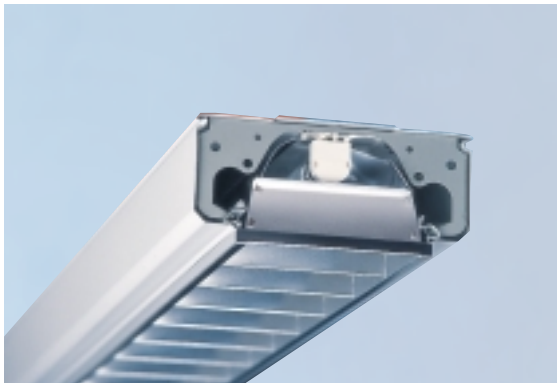
2M - 2MG louvres low luminance
<200 cd/m²
Filigare 180 and 294: L<200 cd/m² for transverse and longitudinal angles >60° and radial angles >65°, CAT 2 CIBSE LG3;
Filigare 220 2M: L<200 cd/m² for longitudinal angles >60° and L<1000 cd/m² for radial angles >65°, CAT 2 - 1000 cd/m² CIBSE LG3.
Applications in environments with VDU's or with exacting visual tasks.
Versions 2M from page 10.9.
Applications in environments with VDU's, shop, managerial offices, halls, reception rooms, lobbies.
Versions 2MG from page 10.10.



Housing
In **hot galvanised** steel painted with white polyester base, obtained by rolling process. Resistant to salt atmosphere up to 300h and to humidity up to 700h.



Lateral compartments
Continuous and physically separate from luminous systems (louvres and flow recuperators) for the passage of power supply lines in one compartment and the wiring in the other.



End caps
In white bayblend, removable to form luminous channels or compositions.



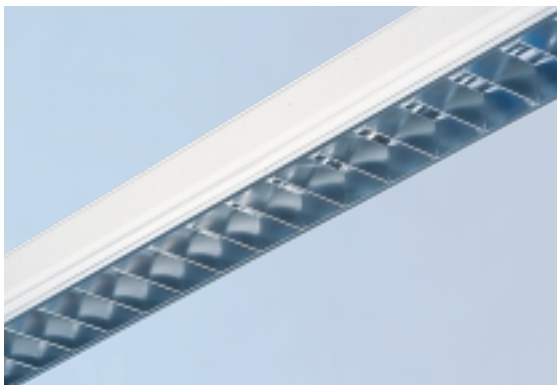
Continuous channel kit
It permits perfect joining of the luminaires by simply using nuts and screws.



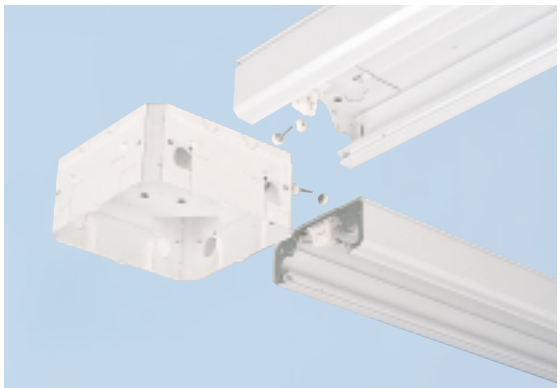
Wiring
On a removable unit with starter, electronic, very low losses and emergency unit.

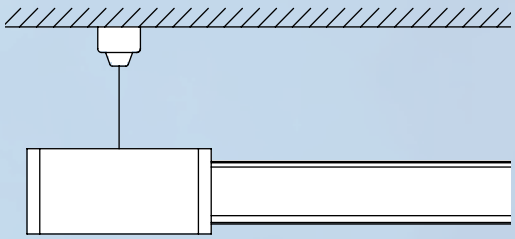


Luminous systems
Available with louvres and flow recuperators. Snap locking along entire length of housing at special points. Perfect connection for a continuous luminous row.

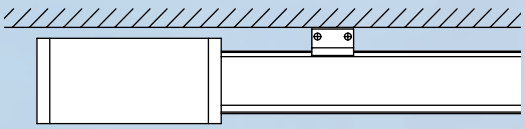


Box for branch joints that permits L, T, and cross-shaped compositions, fitted with no. 2 steel side covers for closing to be used on the free sides.





Suspension mounting directly on box.



Fixing to the ceiling using the sliding mounting bracket in the higher position (21 mm) and placed in proximity to the box.

Sliding mounting bracket.
For ceiling or suspension fixing.
Possibility of adjustment for two heights.
Allows mounting also on normally inflammable surfaces Ⓕ.





Bracket in lower position (16 mm).



Bracket in higher position (21 mm). Always to be used with the box for branch joints or when passing cables above the luminaire.

Example of a T-shaped composition.



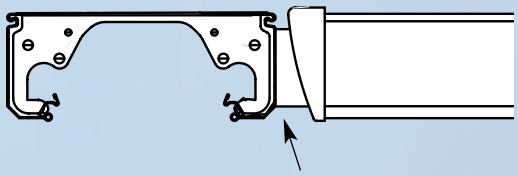
Box for branch joints that permits the laying of cables, without having to thread them through, by simply opening the appropriate membrane.
It can also house a junction box.



Filigare 180 possibility of **head to side** branch joint connection so that light fitting can be joined at any point on the side of a luminaire by means of a hole (to be drilled by client).



The head to side branch joint connection is recommended only for occasional connections.



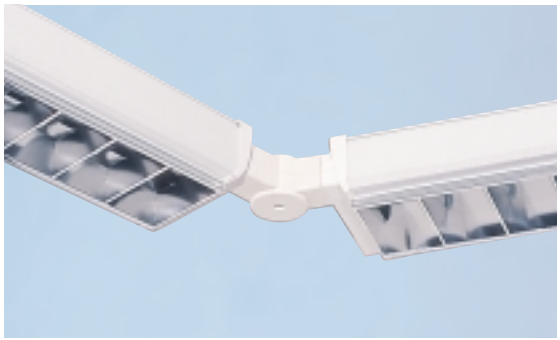
Filigare 180 joining element for variable distances between luminaires or between the luminaire and the wall.



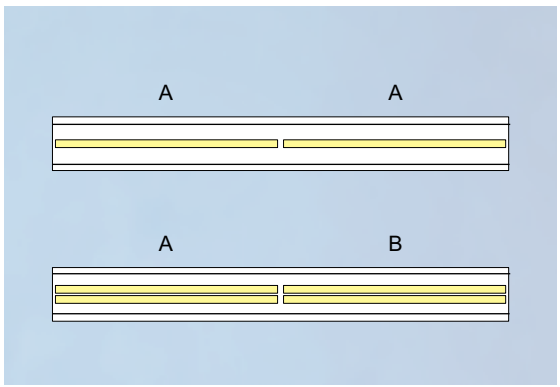
The through wiring can be housed in the continuous lateral compartment and separate from the wiring compartment.



Filigare 180 articulated joint element for compositions with irregular angles.



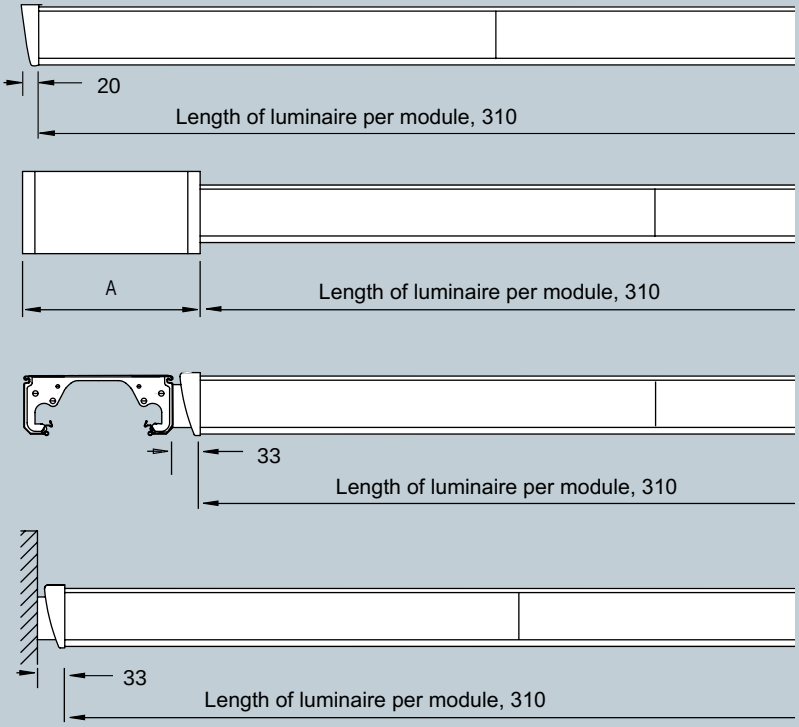
Switch-ons
Filigare 1+1 = single switch-on (A)
Filigare 2+2 = double switch-on (A/B)



Snap-lock cable clip to be fixed in the through wiring compartment approximately every metre.



Formation of channels, branch joints and fixing to walls



Versions	Length of luminaire in mm
1-2x18	620
1-2x36	1240
1-2x58	1550
1+1x36; 2+2x36	2480
1+1x58; 2+2x58	3100

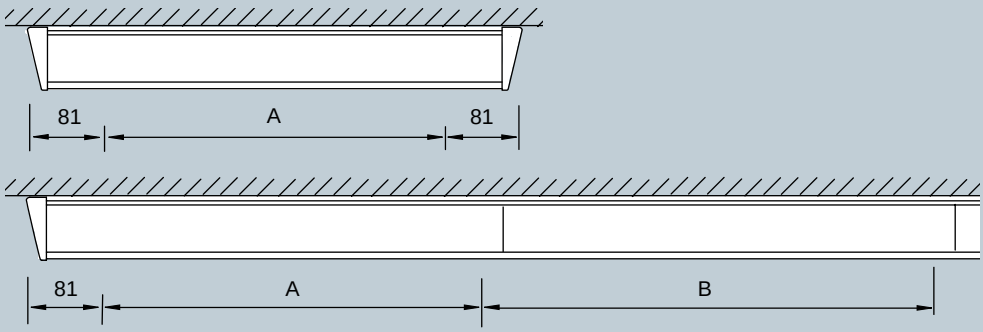
For Filigare 180 A=221 mm
Filigare 220 A=261 mm

The branch joint connection is recommended only for occasional connections.

Fixing single luminaires or formation of channels

The most economical installation is by means of a 3100 mm luminaire: single fixing every 3100 mm in the case of channels, or from the branch joint boxes for compositions, every 3321 mm for Filigare 180 and every 3361 mm for Filigare 220.

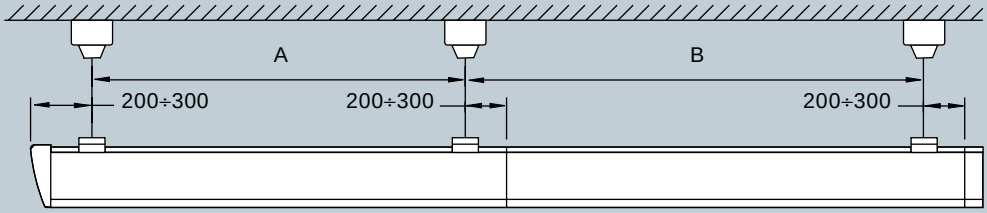
Fixing directly to ceiling



Versions	A	B
1-2x18	498	620
1-2x36	1118	1240
1-2x58	1428	1550
1+1x36; 2+2x36	2358	2480
1+1x58; 2+2x58	2978	3100

Fixing with sliding mounting brackets and suspension for single luminaires and channels

Use sliding mounting brackets on point M and suspensions on point N for channel formations and on point O for single luminaires, see from page 10.22.



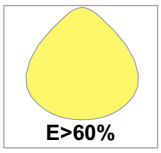
Versions	A	B
1+1x36	1880-2080	2480
1+1x58	2500-2700	3100
2+2x36	1880-2080	2480
2+2x58	2500-2700	3100

Item	Code

Filigare 180 3DEC Decorative

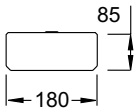
Direct distribution

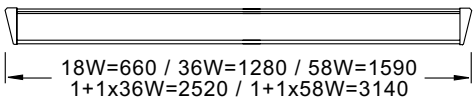




Class I IP20

Starter wiring	
FIL 180 1x18 3DEC	1100
FIL 180 1x36 3DEC	1101
FIL 180 1x58 3DEC	1102
FIL 180 1+1x36 3DEC	1103
FIL 180 1+1x58 3DEC	1104

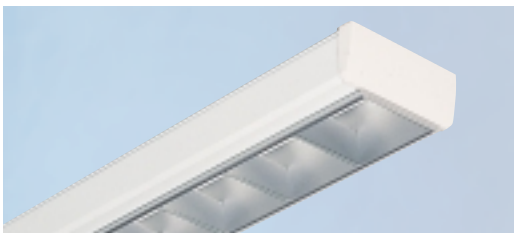


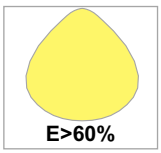


Application in commercial activities, architectural environments, waiting rooms and transit areas.
Efficiency E>60%.
Housing in hot galvanised steel, painted in white polyester.
End cap in white bayblend, removable to form channels.
Parabolic louvre 3DEC with square cell section, in hot galvanised steel, painted in white polyester, with transverse parabolic blades closed in the upper part and longitudinal parabolic elements.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Accessories on page 10.21.
Available on request: twin-lamp luminaires; luminaires with emergency unit, electronic wiring on page F.1.

Filigare 180 3AO Decorative

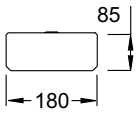
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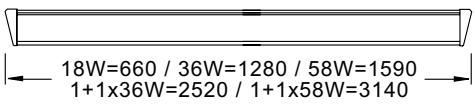




Class I IP20

Starter wiring	
FIL 180 1x18 3AO	1105
FIL 180 1x36 3AO	1106
FIL 180 1x58 3AO	1107
FIL 180 1+1x36 3AO	1108
FIL 180 1+1x58 3AO	1109





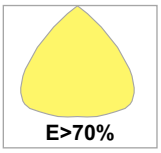
Application in commercial activities, transit areas, schools, lobbies and waiting rooms.
Efficiency E>60%.
Housing in hot galvanised steel, painted in white polyester.
End caps in white bayblend, removable to form channels.
Parabolic louvre 3AO with square cell section, in silver matt aluminium, anti-glare lamp, with transverse parabolic blades closed in the upper part and longitudinal parabolic elements.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Accessories on page 10.21.
Available on request: twin-lamp luminaires; luminaires with emergency unit, electronic wiring on page F.1.

Item	Code

Filigare 180 COM Commercial

Direct distribution

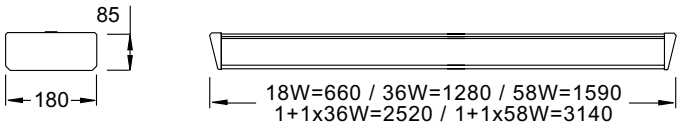




Class I IP20

Starter wiring

FIL 180 1x18 COM	1110
FIL 180 1x36 COM	1111
FIL 180 1x58 COM	1112
FIL 180 1+1x36 COM	1113
FIL 180 1+1x58 COM	1114

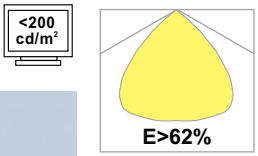


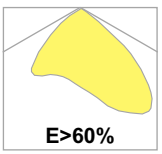
Application in commercial activities and exhibition areas.
Efficiency E>70%.
Housing in hot galvanised steel, painted in white polyester.
End caps in white bayblend, removable to form channels.
Parabolic louvre COM with square cell section, in specular aluminium with superficial titanium-magnesium treatment, non-iridescent, with transverse parabolic blades painted white closed in the upper part and longitudinal parabolic elements.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Accessories on page 10.21.
Available on request: twin-lamp luminaires; luminaires with emergency unit, electronic wiring on page F.1.

Filigare 180 2US

Direct distribution







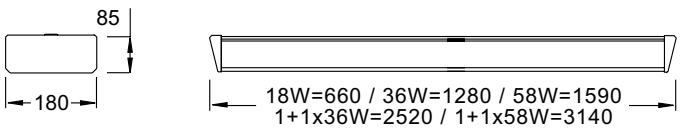
Class I IP20

Starter wiring

FIL 180 1x18 2US	1120
FIL 180 1x36 2US	1121
FIL 180 1x58 2US	1122
FIL 180 1+1x36 2US	1123
FIL 180 1+1x58 2US	1124

Asymmetrical distribution

FIL 180 1x36 2US AS	1125
FIL 180 1x58 2US AS	1126



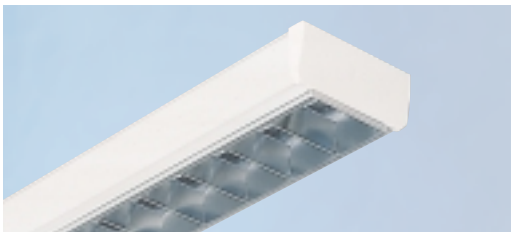
Application in environments with VDU's, public offices and schools.
Efficiency E>62%.
Symmetrical and asymmetrical distribution.
Luminance <200 cd/m² for transverse and longitudinal angles >60° and for radial angles >65°, CAT 2 CIBSE LG3.
Housing in hot galvanised steel, painted in white polyester.
End caps in white bayblend, removable to form channels.
Parabolic louvre 2US in semi-glossy aluminium, anti-glare lamp, with transverse parabolic blades closed in the upper part and longitudinal parabolic elements.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Accessories on page 10.21.
Available on request: twin-lamp luminaires; luminaires with emergency unit, electronic wiring on page F.1.

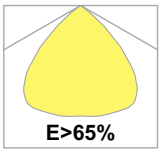
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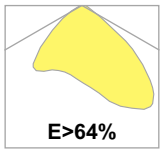
Filigare 180 2S

Direct distribution

<200 cd/m²



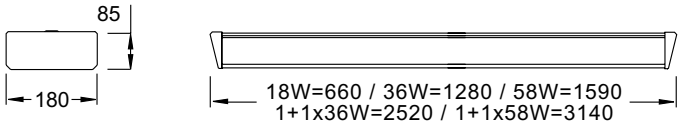




Class I IP20

Application in environments with VDU's or with exacting visual tasks.
Efficiency E>62%.
Symmetrical and asymmetrical distribution.
Luminance <200 cd/m² for transverse and longitudinal angles >60° and for radial angles >65°, CAT 2 CIBSE LG3.
Housing in hot galvanised steel, painted in white polyester.
End caps in white bayblend, removable to form channels.
Parabolic louvre 2S in non-reflecting semi-specular aluminium, with transverse parabolic blades closed in the upper part and longitudinal parabolic elements.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Electronic wiring 230V-50/60Hz, power factor >0.95, fuse, lamp warm start.
In compliance with IEC 60598-1 and EN 60598-1.
Accessories on page 10.21.
Available on request: twin-lamp luminaires; luminaires with emergency unit on page F.1.

Starter wiring	
FIL 180 1x18 2S	1130
FIL 180 1x36 2S	1131
FIL 180 1x58 2S	1132
FIL 180 1+1x36 2S	1133
FIL 180 1+1x58 2S	1134
Asymmetrical distribution	
FIL 180 1x36 2S AS	1139
FIL 180 1x58 2S AS	1140
Electronic	
FIL 180 1x36 HF 2S	1135
FIL 180 1x58 HF 2S	1136
FIL 180 1+1x36 HF 2S	1137
FIL 180 1+1x58 HF 2S	1138

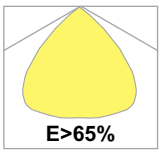


Filigare 180 2M

Direct distribution

<200 cd/m²

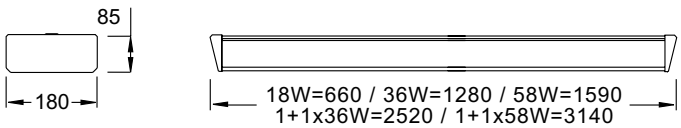




Class I IP20

Application in environments with VDU's or with exacting visual tasks.
Efficiency E>65%.
Symmetrical distribution.
Luminance <200 cd/m² for transverse and longitudinal angles >60° and for radial angles >65°, CAT 2 CIBSE LG3.
Housing in hot galvanised steel, painted in white polyester.
End caps in white bayblend, removable to form channels.
Parabolic louvre 2M in specular aluminium, with transverse parabolic blades that are closed in the upper part and longitudinal parabolic elements.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Accessories on page 10.21.
Available on request: twin-lamp luminaires; luminaires with emergency unit, electronic wiring on page F.1.

Starter wiring	
FIL 180 1x18 2M	1145
FIL 180 1x36 2M	1146
FIL 180 1x58 2M	1147
FIL 180 1+1x36 2M	1148
FIL 180 1+1x58 2M	1149



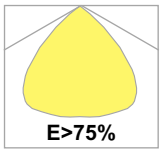
Item	Code

Filigare 180 2MG

Direct distribution

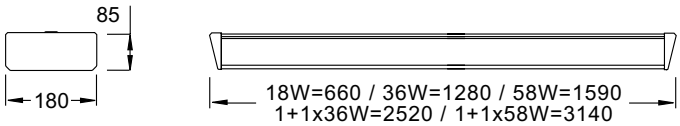
<200 cd/m²





Class I IP20

Starter wiring	
FIL 180 1x18 2MG	1150
FIL 180 1x36 2MG	1151
FIL 180 1x58 2MG	1152
FIL 180 1+1x36 2MG	1153
FIL 180 1+1x58 2MG	1154
Electronic	
FIL 180 1x36 HF 2MG	1155
FIL 180 1x58 HF 2MG	1156
FIL 180 1+1x36 HF 2MG	1157
FIL 180 1+1x58 HF 2MG	1158

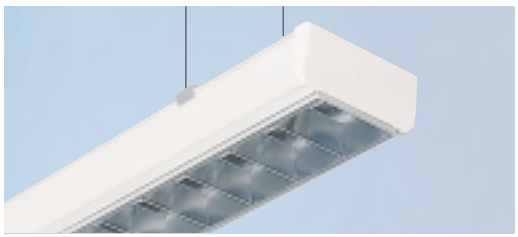


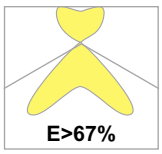
Application in environments with VDU's, managerial offices, halls, reception rooms, lobbies and shops.
Efficiency E>75%.
Symmetrical distribution.
Luminance <200 cd/m² for transverse and longitudinal angles >60° and for radial angles >65°, CAT 2 CIBSE LG3.
Housing in hot galvanised steel, painted in white polyester.
End caps in white bayblend, removable to form channels.
Parabolic louvre 2MG in specular aluminium with superficial titanium-magnesium treatment, non-iridescent, with transverse parabolic blades closed in the upper part and longitudinal parabolic elements.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Electronic wiring 230V-50/60Hz, power factor >0.95, fuse, lamp warm start.
In compliance with IEC 60598-1 and EN 60598-1.
Accessories on page 10.21.
Available on request: twin-lamp luminaires; luminaires with emergency unit on page F.1.

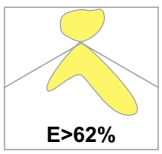
Filigare DI 180 2S

Direct/indirect distribution

<200 cd/m²



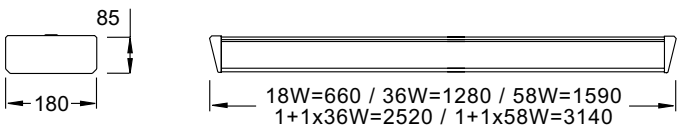




Class I IP20

F

Starter wiring	
FIL DI 180 1x36 2S	1161
FIL DI 180 1x58 2S	1162
FIL DI 180 1+1x36 2S	1163
FIL DI 180 1+1x58 2S	1164
Asymmetrical distribution	
FIL DI 180 1x36 2S AS	1167
FIL DI 180 1x58 2S AS	1168
Electronic	
FIL DI 180 1x58 HF 2S	1165
FIL DI 180 1+1x58 HF 2S	1166

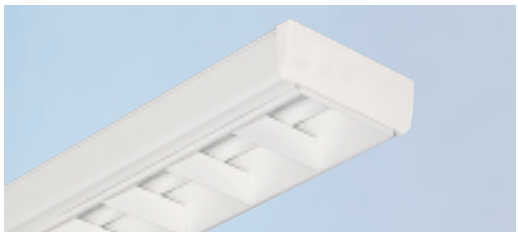


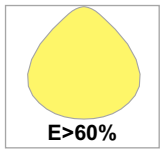
Application in environments with VDU's or with exacting visual tasks.
Efficiency E>67%.
Symmetrical and asymmetrical distribution.
Luminance <200 cd/m² for transverse and longitudinal angles >60° and for radial angles >65°, CAT 2 CIBSE LG3.
Housing in hot galvanised steel, painted in white polyester.
End caps in white bayblend, removable to form channels.
Parabolic louvre 2S in non-reflecting semi-specular aluminium, with transverse parabolic blades closed in the upper part and longitudinal parabolic elements.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Electronic wiring 230V-50/60Hz, power factor >0.95, fuse, lamp warm start.
In compliance with IEC 60598-1 and EN 60598-1.
Suspension and sliding bracket excluded.
Accessories on page 10.21.
Available on request: twin-lamp luminaires; luminaires with emergency unit on page F.1.

Item	Code

Filigare 220 3DEC Decorative

Direct Distribution

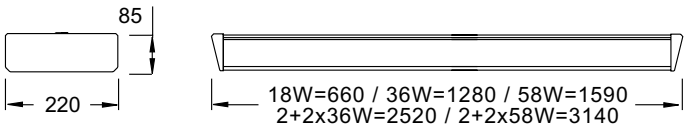




Class I IP20

Starter wiring

FIL 220 2x18 3DEC	1180
FIL 220 2x36 3DEC	1181
FIL 220 2x58 3DEC	1182
FIL 220 2+2x36 3DEC	1183
FIL 220 2+2x58 3DEC	1184



Application in commercial activities, architectural environments, waiting rooms and transit areas.
Efficiency E>60%.
Housing in hot galvanised steel, painted in white polyester.
End caps in white bayblend, removable to form channels.
Parabolic louvre 3DEC with square cell section, in hot galvanised steel, painted in white polyester, with transverse parabolic blades closed in the upper part and longitudinal parabolic elements.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Accessories on page 10.21.
Available on request: luminaires with emergency unit, electronic wiring on page F.1.

Filigare 220 3AO Decorative

Direct Distribution

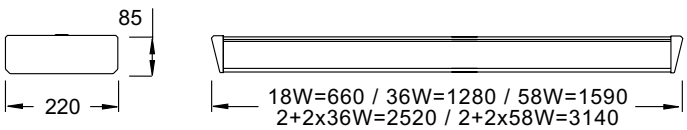




Class I IP20

Starter wiring

FIL 220 2x18 3AO	1185
FIL 220 2x36 3AO	1186
FIL 220 2x58 3AO	1187
FIL 220 2+2x36 3AO	1188
FIL 220 2+2x58 3AO	1189



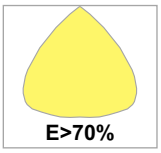
Application in commercial activities, transit areas, schools, lobbies and waiting rooms.
Efficiency E>60%.
Housing in hot galvanised steel, painted in white polyester.
End caps in white bayblend, removable to form channels.
Parabolic louvre 3AO with square cell section, in silver matt aluminium, anti-glare lamp, with transverse parabolic blades closed in the upper part and longitudinal parabolic elements.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Accessories on page 10.21.
Available on request: luminaires with emergency unit, electronic wiring on page F.1.

Item	Code

Filigare 220 COM Commercial

Direct Distribution

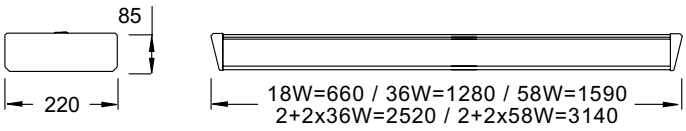




Class I IP20

Starter wiring

FIL 220 2x18 COM	1190
FIL 220 2x36 COM	1191
FIL 220 2x58 COM	1192
FIL 220 2+2x36 COM	1193
FIL 220 2+2x58 COM	1194

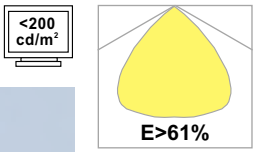


Application in commercial activities and exhibition areas.
Efficiency E>70%.
Housing in hot galvanised steel, painted in white polyester.
End caps in white bayblend, removable to form channels.
Parabolic louvre COM with square cell section, in specular aluminium with superficial titanium-magnesium treatment, non-iridescent, with transverse parabolic blades painted white closed in the upper part and longitudinal parabolic elements.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Accessories on page 10.21.
Available on request: luminaires with emergency unit, electronic wiring on page F.1.

Filigare 220 2US

Direct distribution

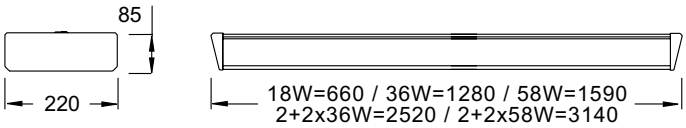




Class I IP20

Starter wiring

FIL 220 2x18 2US	1200
FIL 220 2x36 2US	1201
FIL 220 2x58 2US	1202
FIL 220 2+2x36 2US	1203
FIL 220 2+2x58 2US	1204



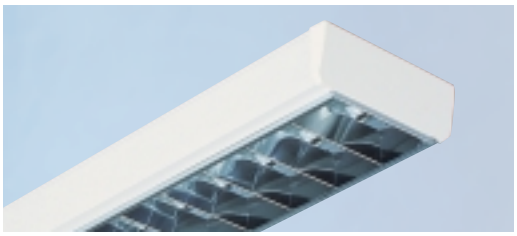
Application in environments with VDU's, public offices, schools.
Efficiency E>61%.
Symmetrical distribution.
Luminance <200 cd/m² for longitudinal angles >60°, <1000 cd/m² for radial angles >65°, CAT 2 - 1000 cd/m² CIBSE LG3.
Housing in hot galvanised steel, painted in white polyester.
End caps in white bayblend, removable to form channels.
Parabolic louvre 2US in semi-glossy aluminium, anti-glare lamp, with transverse parabolic blades closed in the upper part and longitudinal parabolic elements.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Accessories on page 10.21.
Available on request: luminaires with emergency unit, electronic wiring on page F.1.

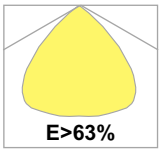
Item	Code

Filigare 220 2M

Direct distribution

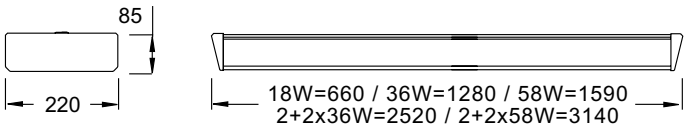
<200 cd/m²





Class I IP20

Starter wiring	
FIL 220 2x18 2M	1205
FIL 220 2x36 2M	1206
FIL 220 2x58 2M	1207
FIL 220 2+2x36 2M	1208
FIL 220 2+2x58 2M	1209

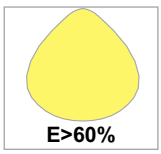


Application in environments with VDU's or with exacting visual tasks.
Efficiency E>63%.
Symmetrical distribution.
Luminance <200 cd/m² for longitudinal angles >60°, <1000 cd/m² for radial angles >65°, CAT 2 - 1000 cd/m² CIBSE LG3.
Housing in hot galvanised steel, painted in white polyester.
End caps in white bayblend, removable to form channels.
Parabolic louvre 2M in specular aluminium, with transverse parabolic blades closed in the upper part and longitudinal parabolic elements.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Accessories on page 10.21.
Available on request: luminaires with emergency unit, electronic wiring on page F.1.

Filigare 294 3DEC Decorative

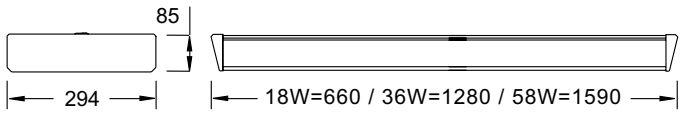
Direct distribution





Class I IP20

Starter wiring	
FIL 294 2x18 3DEC	1225
FIL 294 2x36 3DEC	1226
FIL 294 2x58 3DEC	1227

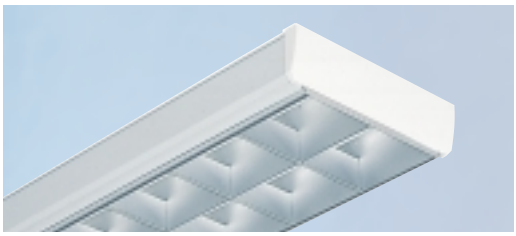


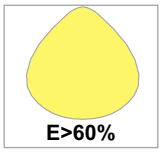
Application in commercial activities, architectural environments, waiting rooms and transit areas.
Efficiency E>60%.
Housing in hot galvanised steel, painted in white polyester.
End caps in white bayblend, removable to form channels.
Parabolic louvre 3DEC with square cell section, in hot galvanised steel, painted in white polyester, with transverse parabolic blades closed in the upper part and longitudinal parabolic elements.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Accessories on page 10.21.
Available on request: luminaires with emergency unit, electronic wiring on page F.1.

Item	Code

Filigare 294 3AO Decorative

Direct distribution

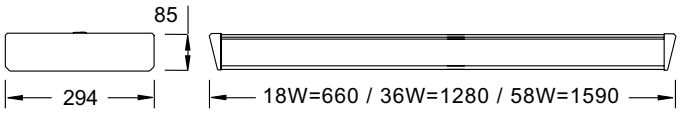




Class I IP20

Starter wiring

FIL 294 2x18 3AO	1228
FIL 294 2x36 3AO	1229
FIL 294 2x58 3AO	1230



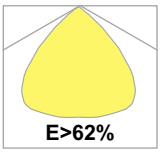
Application in commercial activities, transit areas, lobbies and waiting rooms.
Efficiency E>60%.
Housing in hot galvanised steel, painted in white polyester.
End caps in white bayblend, removable to form channels.
Parabolic louvre 3AO with square cell section, in silver matt aluminium, anti-glare lamp, with transverse parabolic blades closed in the upper part and longitudinal parabolic elements.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Accessories on page 10.21.
Available on request: luminaires with emergency unit, electronic wiring on page F.1.

Filigare 294 2US

Direct distribution



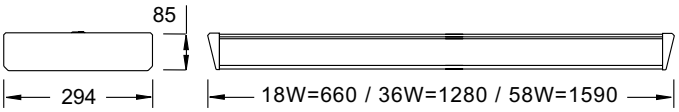




Class I IP20

Starter wiring

FIL 294 2x18 2US	1240
FIL 294 2x36 2US	1241
FIL 294 2x58 2US	1242



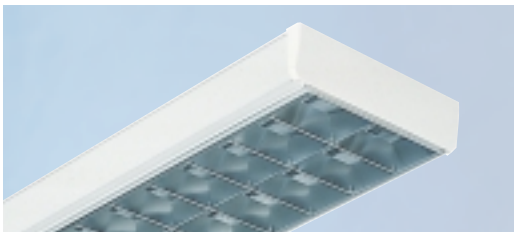
Application in environments with VDU's, public offices, schools.
Efficiency E>62%.
Symmetrical distribution.
Luminance <200 cd/m² for transverse and longitudinal angles >60° and for radial angles >65°, CAT 2 CIBSE LG3.
Housing in hot galvanised steel, painted in white polyester.
End caps in white bayblend, removable to form channels.
Parabolic louvre 2US in semi-glossy aluminium, anti-glare lamp, with transverse parabolic blades closed in the upper part and longitudinal parabolic elements.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Accessories on page 10.21.
Available on request: luminaires with emergency unit on page F.1.

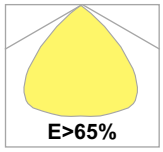
Item	Code

Filigare 294 2S

Direct distribution

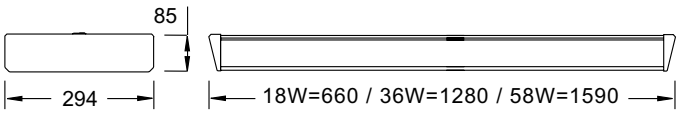
<200 cd/m²





Class I IP20

Starter wiring	
FIL 294 2x18 2S	1250
FIL 294 2x36 2S	1251
FIL 294 2x58 2S	1252
Electronic	
FIL 294 2x36 HF 2S	1253
FIL 294 2x58 HF 2S	1254

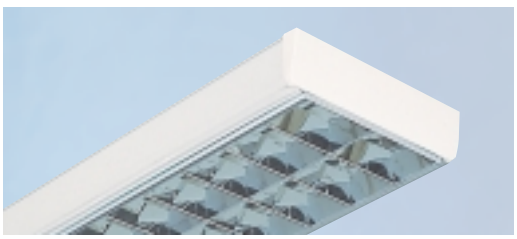


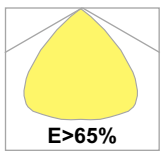
Application in environments with VDU's or with exacting visual tasks.
Efficiency E>65%.
Symmetrical distribution.
Luminance <200 cd/m² for transverse and longitudinal angles >60° and for radial angles >65°, CAT 2 CIBSE LG3.
Housing in hot galvanised steel, painted in white polyester.
End caps in white bayblend, removable to form channels.
Parabolic louvre 2S in non-reflecting semi-specular aluminium, with transverse parabolic blades closed in the upper part and longitudinal parabolic elements.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Electronic wiring 230V-50/60Hz, power factor >0.95, fuse, ballast with lamp warm start.
In compliance with IEC 60598-1 and EN 60598-1.
Accessories on page 10.21.
Available on request: luminaires with emergency unit on page F.1.

Filigare 294 2M

Direct distribution

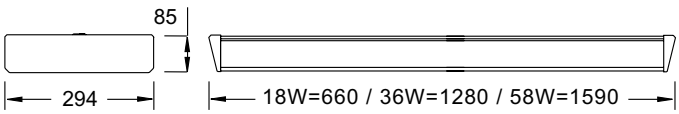
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Class I IP20

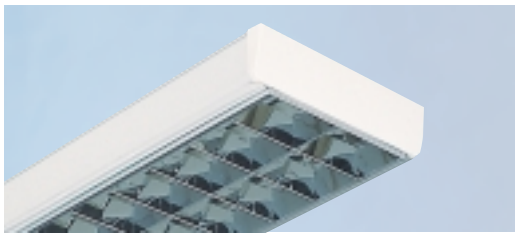
Starter wiring	
FIL 294 2x18 2M	1255
FIL 294 2x36 2M	1256
FIL 294 2x58 2M	1257

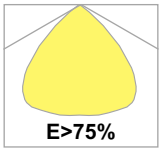


Application in environments with VDU's or with exacting visual tasks.
Efficiency E>65%.
Symmetrical distribution.
Luminance <200 cd/m² for transverse and longitudinal angles >60° and for radial angles >65°, CAT 2 CIBSE LG3.
Housing in hot galvanised steel, painted in white polyester.
End caps in white bayblend, removable to form channels.
Parabolic louvre 2M in specular aluminium, with transverse parabolic blades closed in the upper part and longitudinal parabolic elements.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Accessories on page 10.21.
Available on request: luminaires with emergency unit, electronic wiring on page F.1.

Filigare 294 2MG

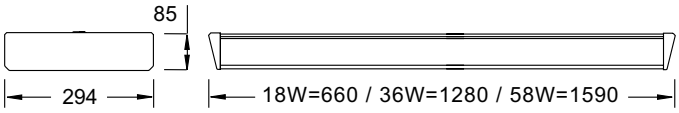
Direct distribution





Class I IP20

Item	Code
Starter wiring	
FIL 294 2x18 2MG	1260
FIL 294 2x36 2MG	1261
FIL 294 2x58 2MG	1262
Electronic	
FIL 294 2x36 HF 2MG	1263
FIL 294 2x58 HF 2MG	1264



Application in environments with VDU's, managerial offices, halls, reception rooms, lobbies and shops.
Efficiency E>75%.
Symmetrical distribution.
Luminance <200 cd/m² for transverse and longitudinal angles >60° and for radial angles >65°, CAT 2 CIBSE LG3.
Housing in hot galvanised steel, painted in white polyester.
End caps in white bayblend, removable to form channels.
Parabolic louvre 2MG in specular aluminium with superficial titanium-magnesium treatment, non-iridescent, with transverse parabolic blades that are closed in the upper part and longitudinal parabolic elements.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Electronic wiring 230V-50/60Hz, power factor >0.95, fuse, lamp warm start.
In compliance with IEC 60598-1 and EN 60598-1.
Accessories on page 10.21.
Available on request: luminaires with emergency unit on page F.1.

Filigare is equipped with louvres or high efficiency parabolic flow recuperator.



3DEC - 3AO - COM

Decorative/commercial parabolic louvres.

See on page 10.7.



RFB

White flow recuperator.



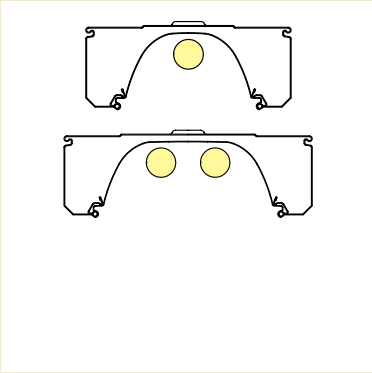
RFMG

Flow recuperator in specular aluminium, high efficiency. Version Filigare 180 only.

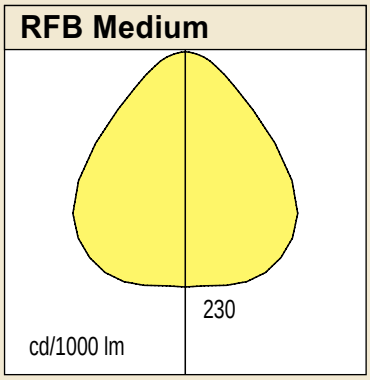


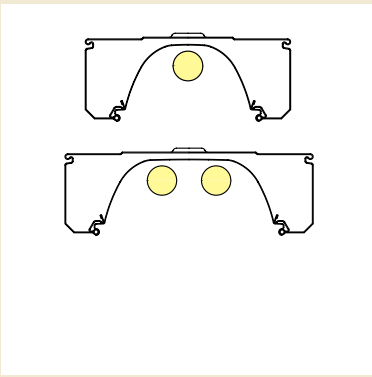
RFM

Flow recuperator in semi-glossy Aluminium.

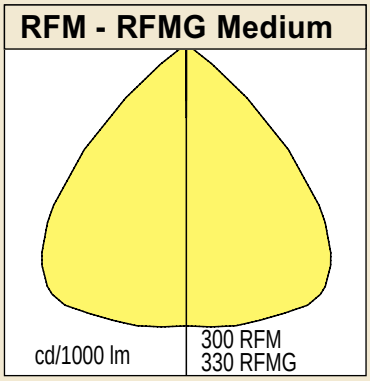


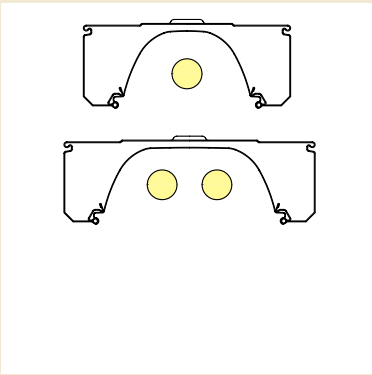
Recuperator RFB
Medium distribution.
Applications in commercial activities, exhibition and transit areas.
In the Filigare 180 single lamp version, focusing can be adjusted from medium to wide or asymmetric with the use of the adjusting lever supplied.
Versions from page 10.19.



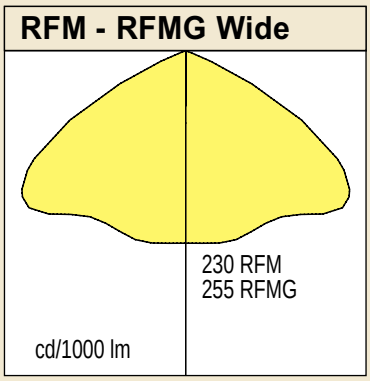


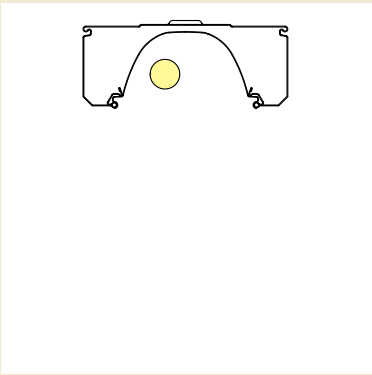
Recuperator RFM - RFMG
Medium distribution.
RFMG only in Filigare 180 version.
Applications in 3 to 8 metres high environments.
Versions from page 10.19.



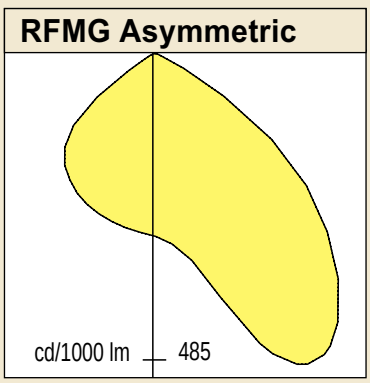


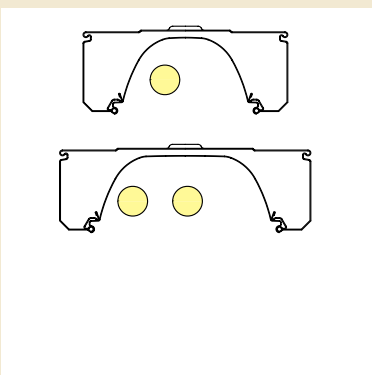
Recuperator RFM - RFMG
Wide distribution.
RFMG only in Filigare 180 version.
Applications in 3 to 5 metres high environments.
Can be obtained in the Filigare 180 single lamp version by modifying focusing with use of the device supplied.
Can be obtained in the Filigare 220 version using the 34 MF accessory illustrated on page. 10.23.
Versions from page 10.19.



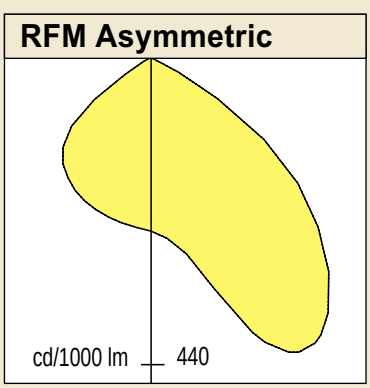


Recuperator RFMG
Asymmetric distribution.
RFMG only in Filigare 180 version.
Localized applications over exacting visual tasks.
Can be obtained in the Filigare 180 single lamp version by modifying focusing with use of the device supplied.
Versions on page 10.19.





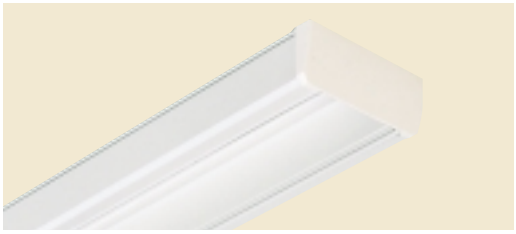
Recuperator RFM
Asymmetric distribution.
Localized applications over exacting visual tasks.
Can be obtained in the Filigare 180 single lamp version by modifying focusing with use of the device supplied.
Can be obtained in the Filigare 220 version using the 34 MF accessory illustrated on page. 10.23.
Versions from page 10.19.



Item	Code

Filigare 180 RFB

Direct distribution

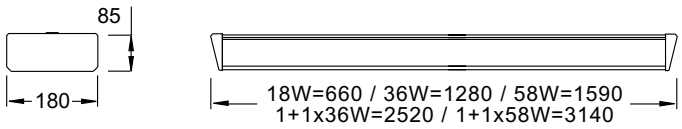




Class I IP20

Starter wiring

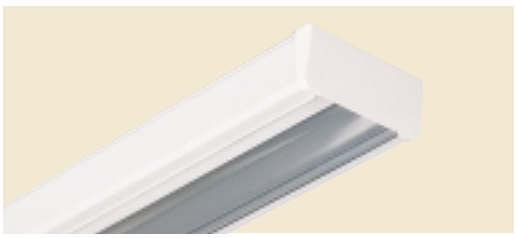
FIL 180 1x18 RFB	4100
FIL 180 1x36 RFB	4101
FIL 180 1x58 RFB	4102
FIL 180 1+1x36 RFB	4103
FIL 180 1+1x58 RFB	4104

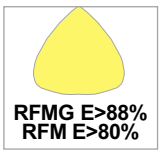


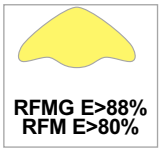
Application in commercial activities, exhibition areas and shops.
Efficiency E>70%.
Variable focusing for medium, wide or asymmetric distribution by using the adjusting lever supplied as standard.
Housing in hot galvanised steel, painted in white polyester.
End caps in white bayblend, removable to form channels.
Cathode covering in polycarbonate to prevent lamp from falling and to allow IP40 protection degree.
Parabolic **flow recuperator** in hot galvanised steel and painted in white polyester.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Accessories on page 10.21.
Available on request: twin-lamp luminaires; luminaires with emergency unit, electronic wiring on page F.1.

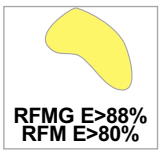
Filigare 180 RFM - RFMG

Direct distribution









Class I IP20

Version with recuperator in semi-glossy aluminium

Starter wiring

FIL 180 1x18 RFM	4110
FIL 180 1x36 RFM	4111
FIL 180 1x58 RFM	4112
FIL 180 1+1x36 RFM	4113
FIL 180 1+1x58 RFM	4114

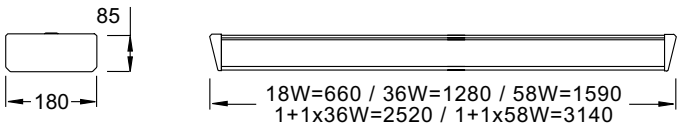
Electronic

FIL 180 1+1x36 HF RFM	4120
FIL 180 1+1x58 HF RFM	4121

Version with recuperator in specular aluminium

Starter wiring

FIL 180 1x18 RFMG	4122
FIL 180 1x36 RFMG	4123
FIL 180 1x58 RFMG	4124
FIL 180 1+1x36 RFMG	4125
FIL 180 1+1x58 RFMG	4126



Application in commercial activities, exhibition areas and shops.
Efficiency: E>80% with RFM, **E>88%** with RFMG.
Variable focusing for medium, wide or asymmetric distribution by using the adjusting lever supplied as standard.
Housing in hot galvanised steel, painted in white polyester. End caps in white bayblend, removable to form channels.
Parabolic **flow recuperator** in semi-glossy aluminium RFM, or RFMG specular with high efficiency with superficial titanium-magnesium treatment.
Cathode covering in polycarbonate to prevent lamp from falling and to allow IP40 protection degree.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Electronic wiring 230V-50/60Hz, power factor >0.95, fuse, lamp warm start.
In compliance with IEC 60598-1 and EN 60598-1.
Accessories on page 10.21.
Available on request: twin-lamp luminaires; luminaires with emergency unit, electronic wiring on page F.1.

Item	Code

Filigare 220 RFB

Direct distribution

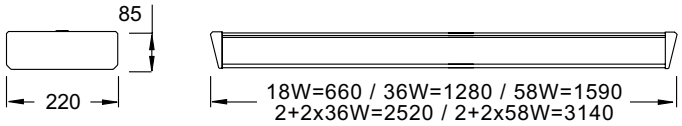




Class I IP20

Starter wiring

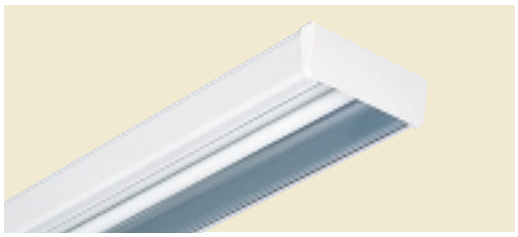
FIL 220 2x18 RFB	4140
FIL 220 2x36 RFB	4141
FIL 220 2x58 RFB	4142
FIL 220 2+2x36 RFB	4143
FIL 220 2+2x58 RFB	4144

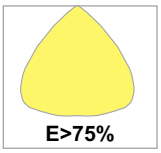


Application in commercial activities, exhibition areas.
Efficiency E>67%.
Housing in hot galvanised steel, painted in white polyester.
End caps in white bayblend, removable to form channels.
Parabolic **flow recuperator** in hot galvanised steel and painted in white polyester.
Cathode covering in polycarbonate to prevent lamp from falling and to allow IP40 protection degree.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Accessories on page 10.21.
Variable focusing by means of 34 MF accessory on page 10.23.
Available on request: luminaires with emergency unit, electronic wiring on page F.1.

Filigare 220 RFM

Direct distribution





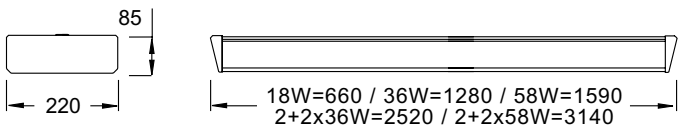
Class I IP20

Starter wiring

FIL 220 2x18 RFM	4150
FIL 220 2x36 RFM	4151
FIL 220 2x58 RFM	4152
FIL 220 2+2x36 RFM	4153
FIL 220 2+2x58 RFM	4154

Electronic

FIL 220 2x36 HF RFM	4155
FIL 220 2x58 HF RFM	4156
FIL 220 2+2x36 HF RFM	4157
FIL 220 2+2x58 HF RFM	4158



Application in commercial activities, exhibition areas.
Efficiency E>75%.
Housing in hot galvanised steel, painted in white polyester.
End caps in white bayblend, removable to form channels.
Parabolic **flow recuperator** in semi-glossy aluminium.
Cathode covering in polycarbonate to prevent lamp from falling and to allow IP40 protection degree.
Wiring on removable unit, **with starter** 230V-50Hz, power factor correction, with fuse.
Electronic wiring 230V-50/60Hz, power factor >0.95, fuse, lamp warm start.
In compliance with IEC 60598-1 and EN 60598-1.
Accessories on page 10.21.
Variable focusing by means of 34 MF accessory on page 10.23.
Available on request: single-lamp luminaires with concentrated distribution Filigare 220 RFC; luminaires with emergency unit on page F.1.

Filigare accessories

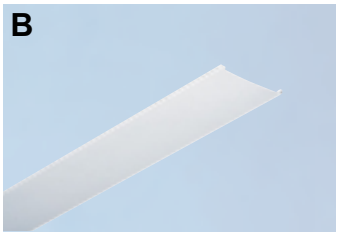
A



Structure, Filigare 180-220 in hot galvanised steel, painted in white polyester.

Width	Length	Height	Item	Code
180	310	78	**FIL 180 CP310**	0005
180	620	78	**FIL 180 CP620**	0006
180	930	78	**FIL 180 CP930**	0007
180	1240	78	**FIL 180 CP1240**	0008
180	1550	78	**FIL 180 CP1550**	0009
220	310	78	**FIL 220 CP310**	0010
220	620	78	**FIL 220 CP620**	0011
220	930	78	**FIL 220 CP930**	0012
220	1240	78	**FIL 220 CP1240**	0013
220	1550	78	**FIL 220 CP1550**	0014

B



Closing strip in PVC in white colour, to be attached by fitting into position in the Filigare 180 structure.

125	310	2	**32 NI**	0015
125	620	2	**32 IF**	0016
125	930	2	**32 GB**	0017
125	1240	2	**32 MH**	0018
125	1550	2	**32 HA**	0019

C



Steel closing strips in white colour, to be attached by fitting into position in the Filigare 180-220 structure; on request in RAL colour. It is interchangeable with louvres in the Filigare Direct/Indirect versions in which only direct lighting is eliminated in cases of high levels with activities using VDU's.

125	310	10	**FIL 180 AB310**	0020
125	620	10	**FIL 180 AB620**	0021
125	930	10	**FIL 180 AB930**	0022
125	1240	10	**FIL 180 AB1240**	0023
125	1550	10	**FIL 180 AB1550**	0024
165	310	10	**FIL 220 AB310**	0025
165	620	10	**FIL 220 AB620**	0026
165	930	10	**FIL 220 AB930**	0027
165	1240	10	**FIL 220 AB1240**	0028
165	1550	10	**FIL 220 AB1550**	0029

D



Kit for continuous channels composed of blend stop and two screws with nuts, installation on page 10.3. Pack of 10 kits.

for Filigare 180	**FIL 180 CC**	0030
for Filigare 220	**FIL 220 CC**	0031
for Filigare 294	**FIL 294 CC**	0032

E



Bracket to strengthen structures connection, in steel painted white for continuous channels of considerable length, one bracket every two connections is suggested.

for Filigare 180	**FIL 180 SI**	0066
for Filigare 220	**FIL 220 SI**	0067

Filigare accessories

Width	Length	Height	Item	Code

F



Branch joint end cap and wall fixing, Filigare 180 in white polycarbonate, interchangeable with the standard end caps. Installation on page 10.5 and 10.6.

	FIL 180 DT	0033

G



Joining element for variable distances between the luminaires Filigare 180 or between luminaire and wall, consisting of a pair of adapter cylinders and an aluminium tube 1.5 m long, Ø35 mm, adaptable to length desired. The branch joint end cap (point F) is always necessary. Installation on page 10.5.

Pair of white cylinders	**11 CA1**	0034
Tube, colour white	**11 ZL3**	0035

H



Branch joint box in steel, painted white, for L, T and cross branch joint. Suspension possible at the centre of the box, see the suspension of point N. A hermetic shunt box can be housed internally. Installation on page 10.4 and 10.6.

221	221	105	**FIL 180 BL**	0036
261	261	105	**FIL 220 BL**	0037

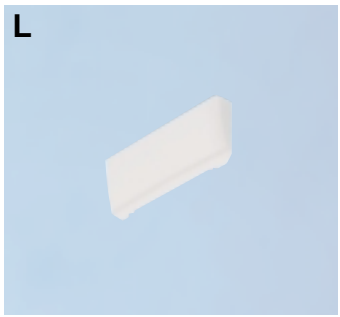
I



Articulated joining element in white polycarbonate, it is not a mechanical support; it permits the passage of the power feed line. It must always be coupled with 2 branch joint end cap of point F. Installation on page 10.5.

colour white	**11 ES6**	0038

L



Pair of white end caps in white bayblend, complete with fixing elements.

for Filigare 180	**FIL 180 TA**	0039
for Filigare 220	**FIL 220 TA**	0040
for Filigare 294	**FIL 294 TA**	0041

M



Concealed sliding mounting bracket for free positioning in galvanised steel for fixing to or suspension from ceiling. Can be adjusted at two heights to position structure at distances of 16 or 21 mm from the ceiling. Installation on page 10.4 and 10.6.
It allows mounting also on normally inflammable surfaces (F).

for Filigare 180	**FIL 180 SS**	0042
for Filigare 220	**FIL 220 SS**	0043
for Filigare 294	**FIL 294 SS**	0044

N



Adjustable suspension for continuous channels and boxes; it consists of casing in white polycarbonate, internal bracket in galvanised steel, steel cables with Ø2 mm, rapid adjusters, maximum load 50 kg.
For continuous channels the sliding mounting bracket of point M is always necessary; the box is fitted directly. Installation on page 10.4 and 10.6. On request steel cable, spool of 100 m or 500 m.

length 1 m	**13 GB8**	0045
length 1,5 m	**13 ZT4**	0046
length 2 m	**13 FM3**	0047

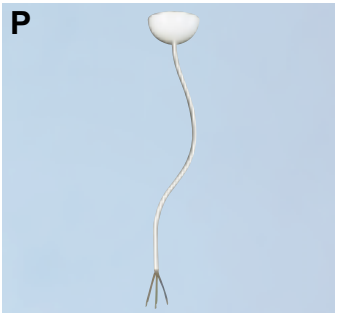
O



Adjustable suspension for single luminaires or for single structures; it consists of casing in white polycarbonate, internal bracket in galvanised steel, steel cables with Ø 1.5 mm, rapid adjusters.
The sliding mounting bracket in point M is always necessary. Installation on page 10.6. Wired version with terminal block and white cable, type H05VVF 3x1.5 mm^2.

wired	**13 CS7**	0048
unwired	**13 SA8**	0049

P



Boss with Rose 86 for mains connection, in white polycarbonate, linear white feed cable 2 m long, type H05VVF 4x1.5 mm^2.

		0130

Q



Bracket for fixing to wall Filigare 180, in steel painted white, suitable for fixing on sliding mounting bracket of point M, (always necessary).

	FIL 15 FP	0052

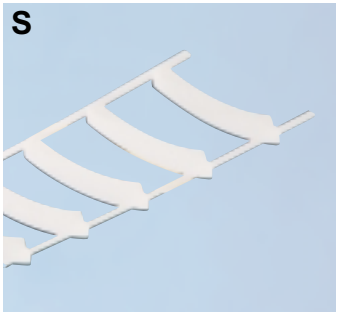
R



Cable clip in polycarbonate, snap-lock fastening in the lateral compartment, recommended for use every metre. Installation on page 10.5. Pack of 20 pieces.

	FIL 19 BF	0053

S



Slatted modular **grid** by 310 mm in self-extinguishing white V2 polycarbonate to be used only on Filigare 180. Pack of 50 pieces; no. 2 pcs. are necessary for 18W, no. 4 pcs. for 36W, no. 5 pcs. for 58W.

	21 GPB	0200

T



Lampholder for variable focusing for Filigare 220 in white polycarbonate for wide or asymmetrical distribution.

for 2 lamps	**34 MF**	0051	1,10

U



Diffuser SP for **Filigare 180** single luminaires or on channel, in transparent polycarbonate UV stabilised, injection moulded with smooth outer surface and differentiated prismatic inner surface. Shock resistance 6.5J, glow-wire resistance 850°C, protection degree for lamp compartment IP44.
On request: closing transparent flat diffuser, self-extinguishing V2, for Filigare 220.
Pack of 20 pieces.

Self-extinguishing V2		
for 58W	**21 V2**	0060
for 36W	**21 V2C**	0062
Self-extinguishing V0		
for 58W	**21 V0**	0061
for 36W	**21 V0C**	0063