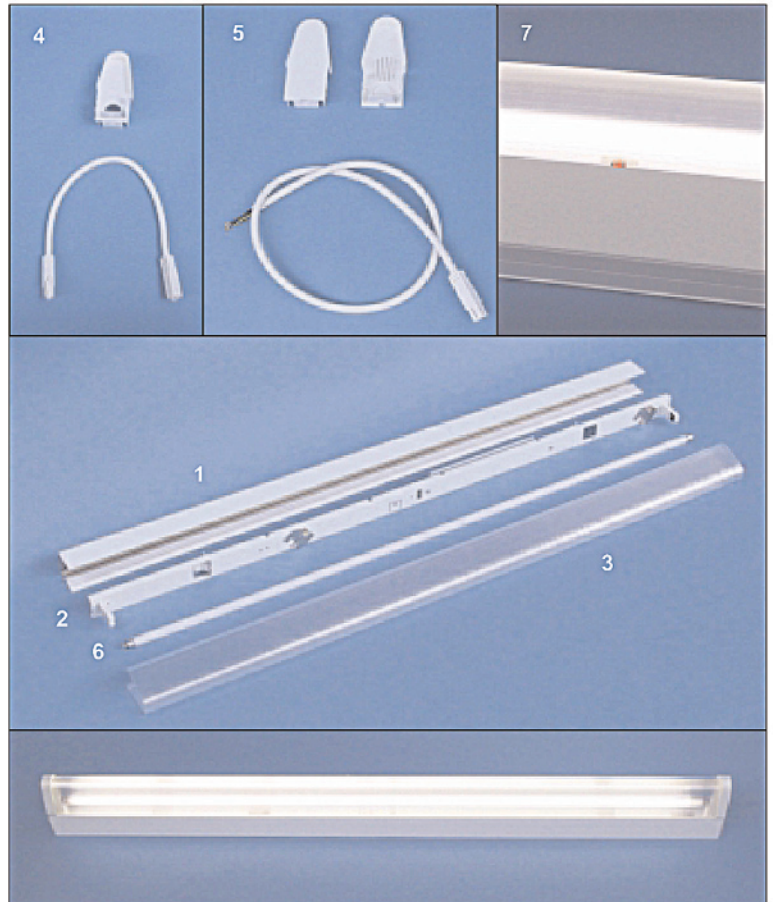


# Cleanroom Light Fixture® T5

*For Laminar Flow Cleanrooms*

- *Energy saving with T5 tubes*
- *Increased light output*
- *Greater visual comfort*
- *For laminar airflow systems*
- *Minimizes turbulence in the cleanroom*
- *High frequency ballast as standard*
- *Meets the highest standards in cleanroom technology*



## **Cleanroom Light Fixture**

This light fixture has been specially designed for use in Cleanrooms. The small width (50 mm) of the light fixture and the special shape of the diffuser minimize turbulence and ensure that the laminar airflow in a Cleanroom is not disturbed.

The light fixture is 1200 mm (28W) in length between the centerlines of the coupling pieces. Alternative lengths are 600 mm (14W) and 1550 mm (35W).

The light fixtures can be used as single units

with end caps or in continuous rows. For continuous row mounting, the end caps are replaced with a special double end cap.

The modular construction of the light fixtures enable easy installation. Once the base profile has been installed, the reflector plate with electrical components are simply locked into the base profile and the cable connected to a power supply. Up to 30 light fixtures can be supplied on one feed.

## **Legend Photograph**

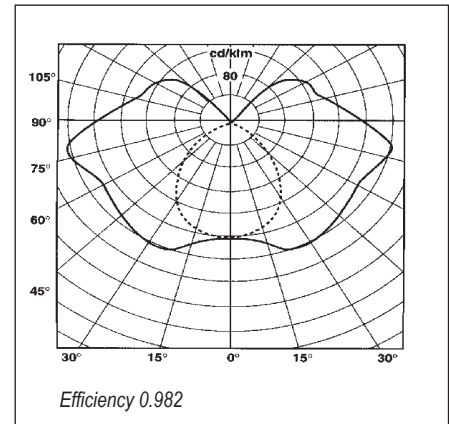
1. Base profile.
2. Reflector plate with electrical components.
3. Diffuser.
4. Coupling set, consisting of a special double end cap and connecting cable.
5. End cap with supply cable.
6. Fluorescent lamp (not supplied).
7. Emergency version (back-up battery) available.

# Cleanroom Light Fixture® T5

Table for calculation of illumination level

Ceiling	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0
Wall	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
Floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
<b>k-factor</b>	<b>Room index in %</b>									
0.75	45	37	32	41	34	29	37	31	27	23
1.00	52	44	38	47	41	35	42	37	32	27
1.25	59	51	45	53	46	41	47	42	38	31
1.50	64	56	50	57	51	46	51	46	42	34
2.00	70	63	58	63	57	52	56	51	48	39
2.50	75	69	63	67	62	57	60	55	52	43
3.00	79	73	67	70	65	61	62	58	55	46
4.00	83	78	74	74	70	67	66	63	60	49
5.00	87	82	78	77	74	70	68	66	63	52

Light distribution diagram

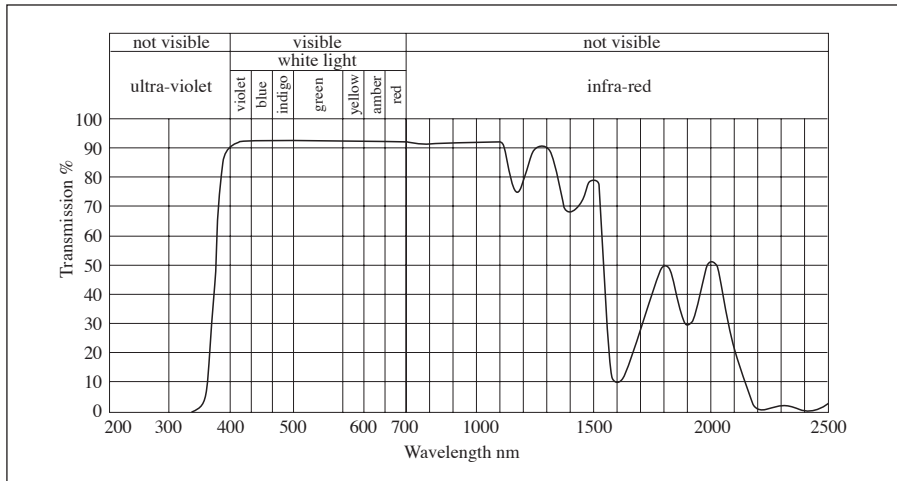


## Technical data

Size (LxWxH) (mm)	1200 x 50 x 115 (L = 1202 incl. end caps)
Base profile	Aluminium extrusion with white epoxy polyester paint finish
End caps and coupling piece	White ABS
Diffuser	UV absorbent clear acrylic
Ballast	High frequency
Power supply	230 V, 1 phase, 50 Hz
Lamp	28 W, T5 mm (not supplied).

Degrees	Candela Longitudinal axis (A)	Candela cross axis (B)
0	178.5	178.5
5	172.5	176.5
10	167.5	175.5
15	157.4	177.5
20	146.4	177.5
25	132.4	176.5
30	115.3	173.5
35	96.3	170.5
40	94.3	164.5
45	63.1	157.6
50	51.1	155.6
55	39.1	148.6
60	29.1	145.6
65	20.1	154.6
70	13.0	147.6
75	9.0	156.6
80	5.0	157.6
85	2.0	141.6
90	1.0	126.7

## UV transmission diffuser



BS4533  
IEC 598  
IP20

Compliance

AAF-International B.V.  
P.O. Box 7928  
1008 AC Amsterdam  
The Netherlands  
Tel.: + 31 20 549 44 11  
Fax: + 31 20 644 43 98  
www.aafeurope.com

International AAF Offices:  
Amsterdam (NL), Athens (GR), Brussels (B),  
Cramlington (GB), Dortmund (D), Dubai  
(UAE), Helsinki (Fin), Istanbul (TR), Lisbon  
(P), Louisville, Ky (USA), Madrid (E), Mexico  
(Mex), Mozzate-Co (I), Paris (F), Bangalore  
(IND), Riyadh (KSA), Shah Alam (Mal),

Suzhou, Shenzhen (PRC), Singapore,  
Taiwan, Vienna (A)

AAF Agents:  
Johannesburg (RSA)



AAF has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

CR-3-1163-IN-0307

© 2007 AAF International