





LF4 are structurally strong ,corrosion resistant fittings for T5 (FQ-FH) and T8 linear fluorescent lamps, made from extruded aluminium with a specially designed increased high performance reflector. They are suitable for indoor and outdoor installations or in areas where severe conditions prevail. The modern and essential design make LF4 fittings suitable for technical-architectural applications.

On demand they can be produced in the version for series connection with polycarbonate diffuser instead of toughened glass with dimmable ballasts and for special voltages.

LF 4 son luminarias estrechas de aluminio extruido, resistente a la corrosión, para lámparas T5 (FQ-FH) y T8, con un reflector de alto rendimiento. Se pueden instalar interior y exterior, en ambientes severas condiciones ambientales.

El moderno y exclusivo diseño permite la instalación en aplicaciones arquitectónicas e industriales.

Bajo demanda puede fabricar para conexión serie, con difusor de policarbonato en lugar de vidrio, con balastos electrónicos regulables o en tensiones especiales.

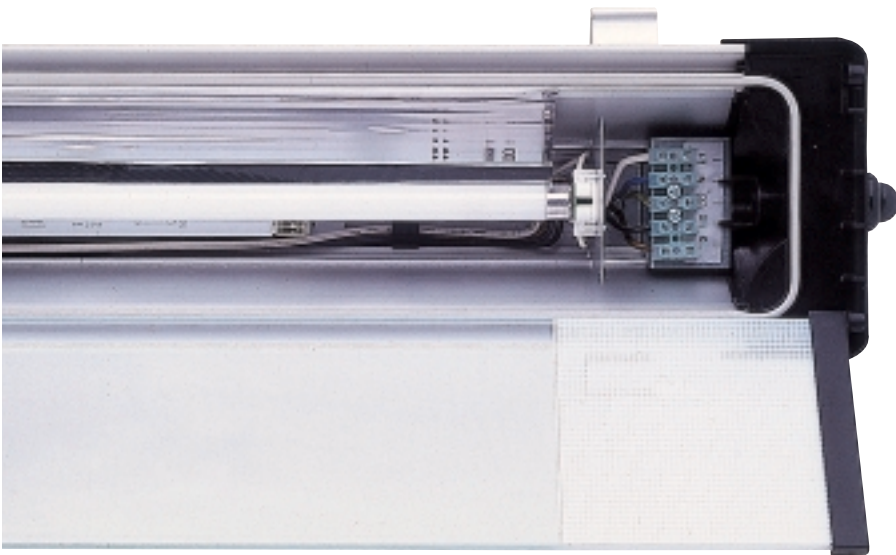
LF4



SBP

design Arch. Silvia Paola Pennacchio







STRUCTURAL CARATTERISTICS

QUICK INSTALLATION:

the fittings are supplied complete with 2 strong AISI 316 stainless steel springs for ceiling safe quick fixing. For installations in severe conditions or in the presence of vibrations, as in tunnels, the A0076 or A0077 (adjustable) accessories are to be used.

CONSTANT QUALITY AND LONG LIFE:

the toughened glass lens ensures constant transparency and easy maintenance over time with the guarantee of constant photometric performance.

HIGH AND LOW TEMPERATURES:

LF4 fittings can be installed from -20°C to +50°C according to the models.

NON COMBUSTIBILITY:

the fittings are made of 96% non combustible materials to V0-UL94. The remaining 4% is self-extinguishable VO-UL94 and glow wire resistant to 850°C.

VERSIONS ON DEMAND:

to satisfy any installation needs, following versions can be produced:

- for connection in series (for T5 lamps only)
- with polycarbonate diffuser (food industries)
- with dimmable electronic ballasts and/or for special voltages.

CONSTRUCTION

- Anodised extruded aluminium body with V0 UL94 (850°C) tecnopolymer head parts
- Anodised polished very pure aluminium reflectors
- Toughened safety glass hinged to the body
- Silicone gaskets
- A2 stainless steel external screws.

CARACTERISTICAS DE FABRICACION

INSTALACION RAPIDA:

Las luminarias se suministran con dos clips de acero inoxidable para instalación en techo. Para instalaciones en condiciones severas o en presencia de vibraciones, como en los túneles, se debe usar los accesorios A0076 o A0077 (ajustable).

CALIDAD CONSTANTE Y LARGA VIDA:

El vidrio templado asegura mayor tiempo su transparencia y facilita su mantenimiento, con garantía de rendimiento fotométrico.

ALTA Y BAJA TEMPERATURAS:

LF4 luminaria se puede instalar desde -20° hasta +50°C según los modelos.

NO COMBUSTIBLE:

La luminaria se fabrica con 96% de materiales no combustibles según Norma V0-UL94. El resto 4% es autoextinguible VO-UL94, a la llama 850°C.

VERSIONES SEGUN DEMANDA:

Para satisfacer algunos requerimientos se suministran en versiones:

- para conexión en serie (solo para T5),
- con difusor de policarbonato (Industria alimentaria),
- con balasto electrónico regulable, en tensiones estandares o especiales.

CONSTRUCCION

- Cuerpo de aluminio extruido con tapas de tecnopolimero VO-UL94 (850°C)
- Reflector anodizado y pulido, de aluminio puro.
- Vidrio templado y securizado, colgante del cuerpo.
- Junta de silicona.
- Tornillos exteriores de acero inoxidable.

SBP

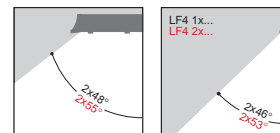
TECHNICAL AND UTILIZATION DATA DATOS TECNICOS Y DE MONTAJE

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CLASS I		11	IP 66							



11		LF4 T8 - CR			L mm
05673025	118	CR		G13 1x18W LUMILUX/TL-D	785
05674025	136	CR		G13 1x36W LUMILUX/TL-D	1395
05675025	158	CR		G13 1x58W LUMILUX/TL-D	1695
05677025	218	CR		G13 2x18W LUMILUX/TL-D	785
05761025	236	CR		G13 2x36W LUMILUX/TL-D	1395
05762025	258	CR		G13 2x58W LUMILUX/TL-D	1695

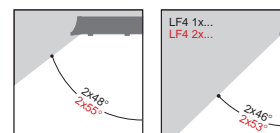
Temperature class (CEI-EN 50014:5.1.2).
Clase de temperatura (CEI-EN 50014:5.1.2).



11		LF4 T8 - ETRC			L mm
05769025	118	ETRC		G13 1x18W LUMILUX/TL-D	785
05770025	136	ETRC		G13 1x36W LUMILUX/TL-D	1395
05771025	158	ETRC		G13 1x58W LUMILUX/TL-D	1695
05772025	218	ETRC		G13 2x18W LUMILUX/TL-D	785
05773025	236	ETRC		G13 2x36W LUMILUX/TL-D	1395
05774025	258	ETRC		G13 2x58W LUMILUX/TL-D	1695

Special versions with dimmable ballasts or for temperatures down to -40° can be supplied on request.

Versiones especiales con balasto regulable o temperaturas inferiores -40° bajo demanda.

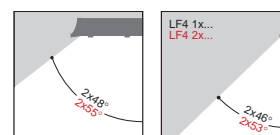


11		LF4 T8 - EM			L mm
03000911	EM 136	CRF		G13 1x36W LUMILUX/TL-D	1395
03001011	EM 158	CRF		G13 1x58W LUMILUX/TL-D	1695
03001111	EM 236	CRF		G13 2x36W LUMILUX/TL-D	1395
03001211	EM 258	CRF		G13 2x58W LUMILUX/TL-D	1695

With emergency device. Nickel/cadmium battery x one lamp-one hour; permanent circuit. Other versions available on demand.

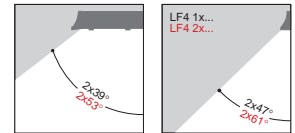
Con equipo de emergencia. Acumulador de Niquel Cadmio para una lámpara una hora, en circuito permanente.

Otras versiones disponibles bajo demanda.

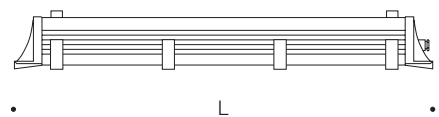
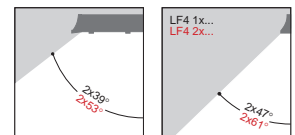




11	LF4 T5- ETRC	FH / HE	Ø16 mm T5	L mm
05129911	114	ETRC		G5 1x14W LUMILUX FH-MASTER TL5 HE 785
05130011	128	ETRC		G5 1x28W LUMILUX FH-MASTER TL5 HE 1395
05130111	135	ETRC		G5 1x35W LUMILUX FH-MASTER TL5 HE 1695
05130611	214	ETRC		G5 2x14W LUMILUX FH-MASTER TL5 HE 785
05130711	228	ETRC		G5 2x28W LUMILUX FH-MASTER TL5 HE 1395
05130811	235	ETRC		G5 2x35W LUMILUX FH-MASTER TL5 HE 1695



11	LF4 T5- ETRC	FQ / HO	Ø16 mm T5	L mm
05130211	124	ETRC		G5 1x24W LUMILUX FQ/MASTER TL5 HO 785
05130311	149	ETRC		G5 1x49W LUMILUX FQ/MASTER TL5 HO 1695
05130411	154	ETRC		G5 1x54W LUMILUX FQ/MASTER TL5 HO 1395
05130511	180	ETRC		G5 1x80W LUMILUX FQ/MASTER TL5 HO 1695
05130911	224	ETRC		G5 2x24W LUMILUX FQ/MASTER TL5 HO 785
05131011	249	ETRC		G5 2x49W LUMILUX FQ/MASTER TL5 HO 1695
05131111	254	ETRC		G5 2x54W LUMILUX FQ/MASTER TL5 HO 1395
05131211	280	ETRC		G5 2x80W LUMILUX FQ/MASTER TL5 HO 1695



All LF4 T5 ETRC FH/HE e FQ/HO versions are complete with non dimmable electronic ballast. The special versions with dimmable ballasts or for temperatures down to -25°C, with through wiring or for series connection shown on the following page can be produced on demand.

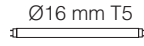
Todas luminarias LF4 T5 ETRC FH/HE y FQ/HO son suministradas con balasto electrónico no regulable. Versiones especiales con balasto regulable, o para temperaturas -25°C, con cableado pasante para instalaciones serie bajo demanda, ver páginas siguientes.



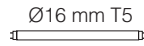
LF4/C are suitable versions for T5 Ø16 mm lamps complete with 5x1,5mm² through wiring for series connection.

LF4 luminaria para versión T5 16mm d. completa con cable pasante de 5x1,5mm², para instalaciones serie.

11	LF4/C T5- ETRC	FH / HE	L mm
05131311	/C 114 ETRC	G5 1x14W LUMILUX FH/MASTER TL5 HE	735
05131411	/C 128 ETRC	G5 1x28W LUMILUX FH/MASTER TL5 HE	1395
05131511	/C 135 ETRC	G5 1x35W LUMILUX FH/MASTER TL5 HE	1695
05132011	/C 214 ETRC	G5 2x14W LUMILUX FH/MASTER TL5 HE	735
05132111	/C 228 ETRC	G5 2x28W LUMILUX FH/MASTER TL5 HE	1395
05132211	/C 235 ETRC	G5 2x35W LUMILUX FH/MASTER TL5 HE	1695



11	LF4/C T5- ETRC	FQ/HO	L mm
05131611	/C 124 ETRC	G5 1x24W LUMILUX FQ/MASTER TL5 HO	735
05131711	/C 149 ETRC	G5 1x49W LUMILUX FQ/MASTER TL5 HO	1695
05131811	/C 154 ETRC	G5 1x54W LUMILUX FQ/MASTER TL5 HO	1395
05131911	/C 180 ETRC	G5 1x80W LUMILUX FQ/MASTER TL5 HO	1695
05132311	/C 224 ETRC	G5 2x24W LUMILUX FQ/MASTER TL5 HO	735
05132411	/C 249 ETRC	G5 2x49W LUMILUX FQ/MASTER TL5 HO	1695
05132511	/C 254 ETRC	G5 2x54W LUMILUX FQ/MASTER TL5 HO	1395
05132611	/C 280 ETRC	G5 2x80W LUMILUX FQ/MASTER TL5 HO	1695



Special versions with dimmable ballasts or for temperatures down to -25° can be supplied on request.

Versiones especiales con balasto regulable o temperaturas inferiores -25° bajo demanda.



LF4/PC (Polycarbonate)

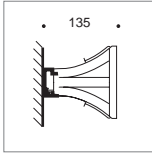
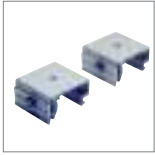
All LF4 models can be produced with U.V. stabilised transparent polycarbonate IP 65 diffuser instead of standard toughened glass on demand. The polycarbonate version is specially suitable for food industries or in places where any possible glass breaking can happen. To have the LF4 with polycarbonate diffuser: order the following accessory with the fitting: **A0289- PC** diffuser, instead of glass as noted below.



LF4/PC (Policarbonato)

*Todas las luminarias LF4 pueden suministrarse con difusor de policarbonato estabilizado a U.V. transparente. En lugar del estándar con vidrio templado. La versión de policarbonato es usada en la industria de la alimentación, donde se puede romper el vidrio y afectar a la producción. Al encargar la luminaria de policarbonato debe solicitarse a la vez el accesorio **A0289 PC** difusor, en lugar del vidrio, según lista seguida.*

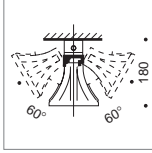
14044320 - A0289/18	05673025 LF4 T8 118 CR 05769025 LF4 T8 118 ETRC	05677025 LF4 T8 218 05772025 LF4 T8 218 ETRC
14044420 - A0289/36	05674025 LF4 T8 136 CR 05770025 LF4 T8 136 ETRC 03000911 LF4 T8 EM 136 CRF	05761025 LF4 T8 236 CR 05773025 LF4 T8 236 ETRC 03001111 LF4 T8 EM 236 CRF
14044520 - A0289/58	05675025 LF4 T8 158 CR 05771025 LF4 T8 158 ETRC 03001011 LF4 T8 EM 158 CRF	05762025 LF4 T8 258 CR 05774025 LF4 T8 258 ETRC 03001211 LF4 T8 EM 258 CRF
14046420 - A0289/14-24	05129911 LF4 T5 114 ETRC 05130211 LF4 T5 124 ETRC	05130611 LF4 T5 214 ETRC 05130911 LF4 T5 224 ETRC
14046520 - A0289/28-54	05130011 LF4 T5 128 ETRC 05130411 LF4 T5 154 ETRC	05130711 LF4 T5 228 ETRC 05131111 LF4 T5 254 ETRC
14046620 - A0289/35-49-80	05130111 LF4 T5 135 ETRC 05130311 LF4 T5 149 ETRC 05130511 LF4 T5 180 ETRC	05130811 LF4 T5 235 ETRC 05131011 LF4 T5 249 ETRC 05131211 LF4 T5 280 ETRC



14296005 - A0076

Pair of adjustable supports for wall or ceiling fixing installation. To use in replacement of stainless steel spring in heavy installations (ex. tunnels).

Dos soportes para instalación en pared o techo. Como sustitución de los soportes de inox, para instalaciones pesadas (Túneles).



14297005 - A0077

Pair of adjustable supports to orientate the fitting, suitable for wall or ceiling mounting.

Dos soportes orientables para montaje en pared o techo.



14007620 - A0194/4Ah-3,6V
14295005 - A0074/4Ah-6V

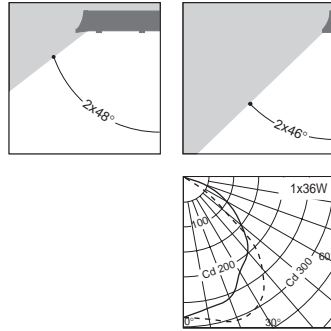
In addition to the emergency models shown on page 246, all other LF4 models too (except for the T8/118-218 and the T5/114-214-124-224 models), are available complete with emergency device to be ordered along with the fitting it has to be mounted on.

Como complemento de los modelos emergencia, véase página 246, todos los modelos LF4, pueden suministrarse con equipo de emergencia, excepto T8/118-218 y T5/114-214-124-224. Deben solicitarse junto con las luminarias para ser montados en origen.

1 hour maintained/1 lamp nickel-cadmium battery, 1 hour/1 lamp; permanent circuit, always switched on. Other versions are possible to produce on demand.

1 hora mantenida/ 1 lámpara con acumulador de Níquel Cadmio, 1 hora/1 lámpara, en circuito permanente, siempre conectada. Se puede suministrar otras versiones bajo demanda.

LF4 T8 136
1x3350 Lumen



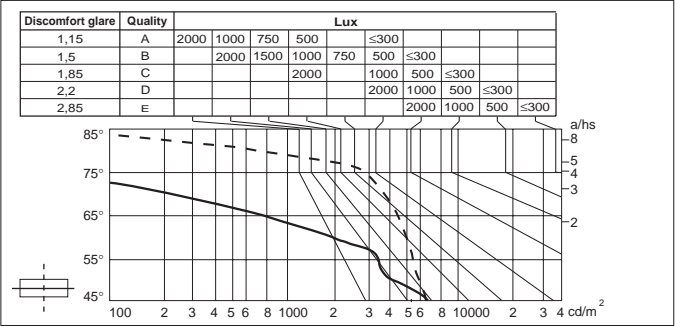
A	80	70	70	70	70	50	50	50	30	30	30	0	
B	70	70	50	30	10	50	30	10	50	30	10	0	
C	10	10	10	10	10	10	10	10	10	10	10	0	
K	0.60	0.47	0.46	0.38	0.34	0.30	0.38	0.33	0.30	0.36	0.33	0.30	0.28
	0.80	0.53	0.52	0.45	0.40	0.37	0.44	0.40	0.37	0.43	0.40	0.37	0.35
	1.00	0.58	0.57	0.51	0.46	0.43	0.50	0.46	0.43	0.49	0.45	0.42	0.41
	1.25	0.62	0.61	0.55	0.51	0.48	0.54	0.51	0.48	0.53	0.50	0.48	0.46
	1.50	0.65	0.64	0.59	0.55	0.52	0.58	0.55	0.52	0.57	0.54	0.51	0.50
	2.00	0.69	0.68	0.64	0.61	0.58	0.63	0.60	0.58	0.61	0.59	0.57	0.56
	2.50	0.71	0.70	0.67	0.64	0.62	0.66	0.63	0.61	0.64	0.62	0.61	0.59
3.00	0.72	0.71	0.69	0.67	0.65	0.68	0.66	0.64	0.66	0.65	0.63	0.62	
4.00	0.74	0.73	0.71	0.69	0.68	0.70	0.68	0.67	0.68	0.67	0.66	0.64	
5.00	0.75	0.74	0.72	0.71	0.70	0.71	0.70	0.69	0.70	0.68	0.67	0.66	

A: Ceiling
Plafón techo

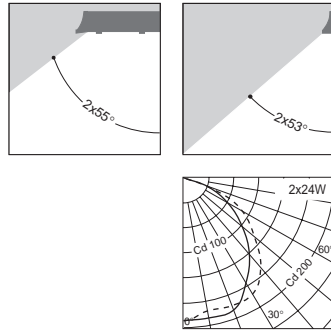
B: Wall
Pared

C: Floor
Suelo

K: Room index
Indice del local



LF4 T8 236
2x3350 Lumen



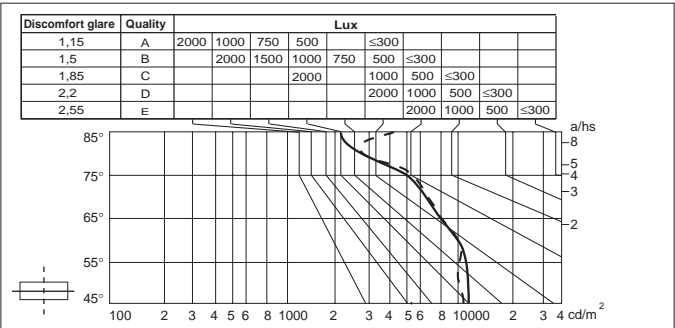
A	80	70	70	70	70	50	50	50	30	30	30	0	
B	70	70	50	30	10	50	30	10	50	30	10	0	
C	10	10	10	10	10	10	10	10	10	10	10	0	
K	0.60	0.39	0.38	0.31	0.26	0.22	0.30	0.26	0.22	0.30	0.25	0.22	0.21
	0.80	0.46	0.45	0.38	0.33	0.29	0.37	0.32	0.29	0.36	0.32	0.29	0.27
	1.00	0.51	0.50	0.43	0.38	0.35	0.42	0.38	0.34	0.41	0.37	0.34	0.33
	1.25	0.55	0.54	0.48	0.43	0.40	0.47	0.43	0.40	0.46	0.42	0.39	0.38
	1.50	0.58	0.57	0.52	0.47	0.44	0.50	0.47	0.44	0.49	0.46	0.43	0.42
	2.00	0.62	0.61	0.57	0.53	0.50	0.55	0.52	0.50	0.54	0.52	0.49	0.48
	2.50	0.64	0.63	0.60	0.57	0.54	0.59	0.56	0.54	0.57	0.55	0.53	0.51
3.00	0.66	0.65	0.62	0.60	0.57	0.61	0.58	0.57	0.59	0.57	0.56	0.54	
4.00	0.68	0.67	0.65	0.63	0.61	0.63	0.61	0.60	0.62	0.60	0.59	0.57	
5.00	0.69	0.68	0.66	0.64	0.63	0.65	0.63	0.62	0.63	0.62	0.61	0.59	

A: Soffitto
Ceiling

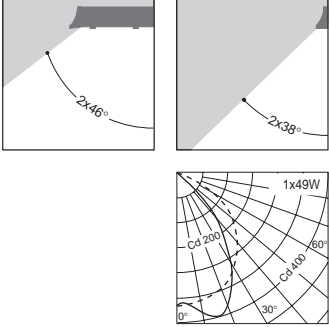
B: Wall
Pared

C: Floor
Suelo

K: Room index
Indice del local

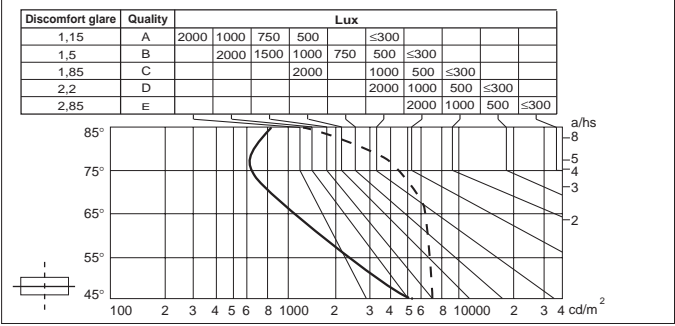


LF4 T5 149
1x4900 Lumen

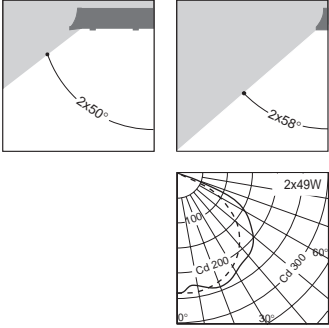


A	80	70	70	70	70	50	50	50	30	30	30	0	
B	70	70	50	30	10	50	30	10	50	30	10	0	
C	10	10	10	10	10	10	10	10	10	10	10	0	
K	0.60	0.50	0.49	0.41	0.37	0.34	0.41	0.36	0.33	0.40	0.36	0.33	0.32
	0.80	0.56	0.55	0.48	0.44	0.40	0.48	0.43	0.40	0.47	0.43	0.40	0.39
	1.00	0.61	0.60	0.54	0.50	0.46	0.53	0.49	0.46	0.52	0.49	0.46	0.44
	1.25	0.65	0.64	0.59	0.55	0.52	0.58	0.54	0.51	0.57	0.53	0.51	0.50
	1.50	0.68	0.67	0.62	0.59	0.56	0.61	0.58	0.55	0.60	0.57	0.55	0.53
	2.00	0.72	0.71	0.67	0.64	0.62	0.66	0.63	0.61	0.64	0.62	0.60	0.59
	2.50	0.74	0.73	0.70	0.67	0.65	0.69	0.66	0.65	0.67	0.65	0.64	0.62
3.00	0.75	0.74	0.72	0.70	0.68	0.70	0.69	0.67	0.69	0.68	0.66	0.65	
4.00	0.77	0.76	0.74	0.72	0.71	0.73	0.71	0.70	0.71	0.70	0.69	0.67	
5.00	0.78	0.77	0.75	0.74	0.73	0.74	0.73	0.71	0.72	0.71	0.70	0.68	

A: Soffitto Ceiling
B: Wall Pared
C: Floor Suelo
K: Room index Indice del local



LF4 T5 249
2x4900Lumen



A	80	70	70	70	70	50	50	50	30	30	30	0	
B	70	70	50	30	10	50	30	10	50	30	10	0	
C	10	10	10	10	10	10	10	10	10	10	10	0	
K	0.60	0.40	0.39	0.31	0.26	0.22	0.30	0.26	0.22	0.30	0.25	0.22	0.21
	0.80	0.46	0.45	0.38	0.33	0.29	0.37	0.32	0.29	0.36	0.32	0.29	0.27
	1.00	0.51	0.50	0.43	0.38	0.35	0.42	0.38	0.34	0.41	0.37	0.34	0.33
	1.25	0.56	0.55	0.48	0.44	0.40	0.47	0.43	0.40	0.46	0.42	0.39	0.38
	1.50	0.59	0.58	0.52	0.48	0.44	0.51	0.47	0.44	0.50	0.46	0.44	0.42
	2.00	0.63	0.62	0.57	0.54	0.51	0.56	0.53	0.50	0.55	0.52	0.50	0.48
	2.50	0.66	0.64	0.61	0.58	0.55	0.59	0.57	0.54	0.58	0.56	0.54	0.52
3.00	0.67	0.66	0.63	0.60	0.58	0.62	0.59	0.57	0.60	0.58	0.57	0.55	
4.00	0.69	0.68	0.66	0.64	0.62	0.64	0.63	0.61	0.63	0.61	0.60	0.58	
5.00	0.70	0.69	0.68	0.66	0.64	0.66	0.65	0.63	0.65	0.63	0.62	0.60	

A: Soffitto Ceiling
B: Wall Pared
C: Floor Suelo
K: Room index Indice del local

