

ACF Duralite

MOTIVATION

For areas where arduous operating conditions are a real problem ACF Duralite provides a solution with design characteristics that make it tough, strong and resilient. High impact resistance is required if diffusers are not to shatter when hit. A simple construction allows cost effective installation and re-lamping.

APPLICATION

- Food factories
- Dairies
- Plant rooms
- Car parks
- Loading bays
- Stations
- Garages
- Canopies

SPECIFICATION

- Body – light grey GRP
 - Diffusers:
 - acrylic or high impact polycarbonate
 - 70W polycarbonate diffuser: External prism finish
 - Injection moulded with linear prisms
 - 70W diffuser: Vacuum formed stipple finish
 - IP65 Protection
 - Tough and corrosion resistant
 - Suitable for exterior or high humidity areas (avoid use in direct sunlight)
 - Surface mounted with cable or conduit entry
 - Switch start or high frequency gear options
 - Fully integral emergency versions
- Fast plastic toggle clip lock mechanism
 - Supplied complete with lamps – 3500K standard white tubes

Options

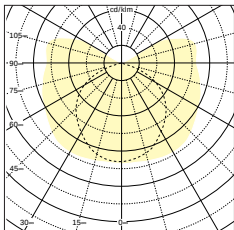
- Lockable stainless steel tamper resistant clips for organic environments i.e. paraffins, chlorinated solvents, food preparation areas etc.
- Conduit mounting kit
- Spare plastic clips



ACF Duralite
1 x 70W T8 Lamp



- SHR MAX = 1.88
- DLOR = 0.67
- ULOR = 0.21



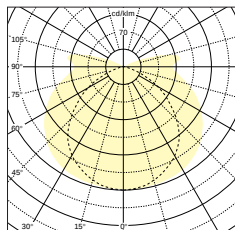
UTILISATION FACTORS UF(F) SHR NOM=1.75

Room Reflectance			Room Index									
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	-	0.48	0.55	0.59	0.65	0.70	0.73	0.77	0.80	
0.50	0.30	0.20	-	0.39	0.44	0.48	0.54	0.58	0.62	0.66	0.69	
0.00	0.00	0.00	-	0.27	0.32	0.35	0.39	0.43	0.45	0.49	0.52	

ACF Duralite
2 x 70W T8 Lamps

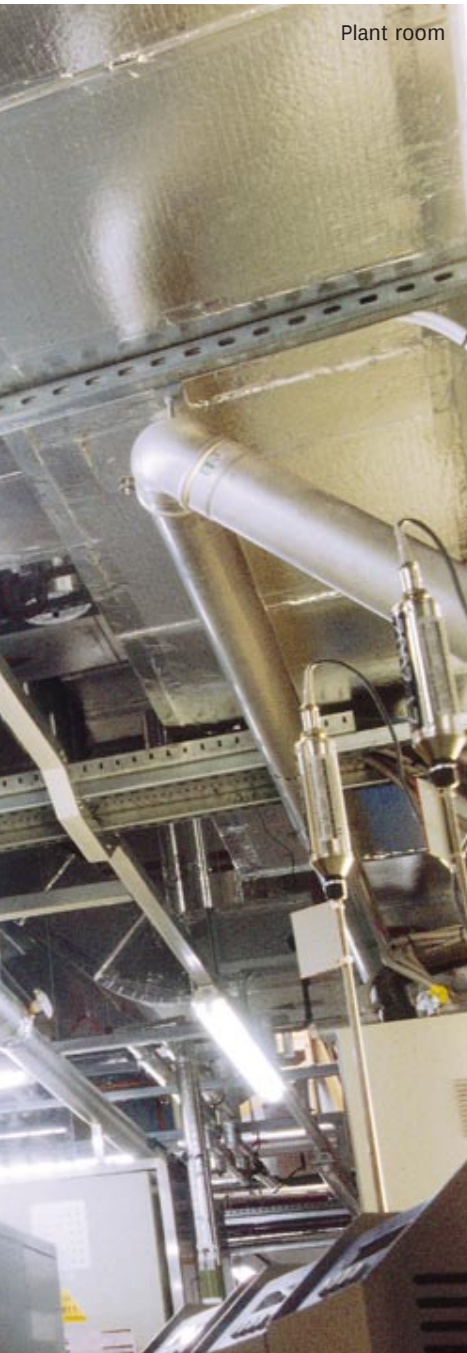


- SHR MAX = 1.79
- DLOR = 0.65
- ULOR = 0.14



UTILISATION FACTORS UF(F) SHR NOM=1.75

Room Reflectance			Room Index									
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	-	0.47	0.53	0.57	0.62	0.66	0.68	0.72	0.74	
0.50	0.30	0.20	-	0.39	0.44	0.48	0.53	0.57	0.60	0.63	0.66	
0.00	0.00	0.00	-	0.30	0.34	0.37	0.42	0.47	0.47	0.51	0.53	



DIMENSIONS AND WEIGHT

LAMP WAYS	LENGTH	LONGITUDINAL DIMENSIONS		FIXING CENTRE		WEIGHT KG	
		A	B	HIGH FREQUENCY	SWITCH START		
1 x 18W	2ft	666	230	2.0	2.0		
1 x 36W	4ft	1276	836	2.5	3.0		
1 x 58W	5ft	1576	1136	3.5	4.0		
1 x 70W	6ft	1865	1102*	4.5	5.0		
2 x 18W	2ft	666	230	3.5	4.0		
2 x 36W	4ft	1276	836	5.0	6.0		
2 x 58W	5ft	1576	1136	7.0	8.0		
2 x 70W	6ft	1865	1102*	9.0	10.0		

* 1390 for Polycarbonate diffuser models

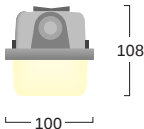
Ambient temperature:-
15°C to +25°C (high-frequency); 0° to 25°C (switchstart).
(Emergency versions not less than 0°C).

Cold store version: (2 x 58W only) to -30°C available.

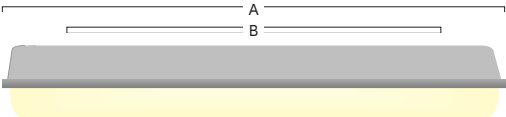
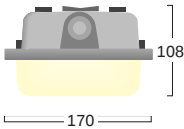
High temperature versions: (1 x 58W and 2 x 58W) available to +45°C (low loss gear) or +35°C (high frequency gear). Three-way terminal block takes up to 6mm² cable.

Zone 2 versions: available in 2 x 18W, 1 x 36W, 2 x 36W, 1 x 58W and 2 x 58W in standard and emergency configurations. See ACFDN page 184
For further details call the technical helpline.

Single lamp



Twin lamp



ACF Duralite

ORDER CODES

IP65 ANTI-CORROSIVE LUMINAIRE FOR TOUGH ENVIRONMENTS

	SWITCH START	ELECTRONIC START	HIGH FREQUENCY	LENGTH	LAMP SUPPLIED	SWITCH START	ELECTRONIC START	HIGH FREQUENCY	
ACRYLIC	ACFD12S*	ACFD12ES*	ACFD12HF*	2ft	1 x 18W	ACFD12SP*	ACFD12ESP*	ACFD12HFP*	POLYCARBONATE
	ACFD14S	ACFD14ES	ACFD14HF	4ft	1 x 36W	ACFD14SP	ACFD14ESP	ACFD14HFP	
	ACFD15S	ACFD15ES	ACFD15HF	5ft	1 x 58W	ACFD15SP	ACFD15ESP	ACFD15HFP	
	ACFD16S	ACFD16ES	ACFD16HF	6ft	1 x 70W	ACFD16SP	ACFD16ESP	ACFD16HFP	
	ACFD22S*	ACFD22ES*	ACFD22HF*	2ft	2 x 18W	ACFD22SP*	ACFD22ESP*	ACFD22HFP*	
	ACFD24S	ACFD24ES	ACFD24HF	4ft	2 x 36W	ACFD24SP	ACFD24ESP	ACFD24HFP	
	ACFD25S	ACFD25ES	ACFD25HF	5ft	2 x 58W	ACFD25SP	ACFD25ESP	ACFD25HFP	
	ACFD26S	ACFD26ES	ACFD26HF	6ft	2 x 70W	ACFD26SP	ACFD26ESP	ACFD26HFP	

COLD STORE VERSION	LENGTH	LAMP SUPPLIED	GEAR	Ta°C
ACFDES25CS30	5ft	2 x 58W	Electronic Start	Min -30°C

HIGH TEMPERATURE VERSIONS					
POLYCARBONATE	ACFD15HFGHT35	5ft	1 x 58W	High Frequency	Max +35°C
	ACFD15LLSHT45	5ft	1 x 58W	Low Loss	Max +45°C
	ACFD25HFGHT35	5ft	2 x 58W	High Frequency	Max +35°C
	ACFD25LLSHT45	5ft	2 x 58W	Low Loss	Max +45°C

ACCESSORIES Please order separately

ACFDTOG†	Standard plastic securing clip for 2, 4 and 5ft models (<i>quantity of 1</i>)
ACFDTOG6†	Standard plastic securing clip for 6ft models (<i>quantity of 1</i>)
ACFDCLIP†	Lockable stainless steel securing clip for 2, 4 and 5ft models (<i>quantity of 1</i>)
ACFDCLIP6†	Lockable stainless steel securing clip for 6ft models (<i>quantity of 1</i>)
ACFKIT	Conduit mounting kit

†18W requires 6 clips/36W requires 8 clips/58W requires 10 clips/ 70W requires 12 clips (acrylic) or 8 clips (polycarbonate)

EMERGENCY Add suffix to order codes above

/EMIN**	3 hour maintained fully integral emergency for all luminaires
---------	---

* Products with 18W lamps are not available in emergency versions **Emergency not available for cold store or high temperature versions

To specify state:

Fluorescent anti-corrosive IP65 luminaire with GRP body, acrylic/polycarbonate diffuser. Fully integral emergency option. Removable gear tray on safety straps and one piece seamless gasket for increased life and protection – as Whitcroft Lighting ACF DURALITE.