

ACFDN

MOTIVATION

To meet the need for a flexible range of fluorescent lighting in harsh industrial environments with Zone 2 area classifications.

APPLICATION

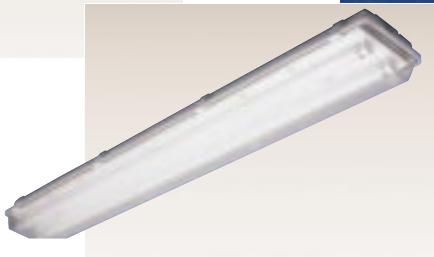
- Chemical stores
- Tank farms
- Distilleries
- Paint and solvent manufacture
- Steelworks

SPECIFICATION

- Type of protection: Ex N non-sparking
- Area classification: Zone 2 areas to EN 60079-14
- Apparatus standard: BS 4533 Part 102.51
- Certificate:
 - BASEEFA Ex 95Y4016
- Coding: Ex N II (refer to table for T class)
- Enclosure: GRP with polycarbonate diffuser and stainless steel retaining clips
- Entry: 2 x 21mm diameter holes for cable entries, 1 at each end
- Installation: Two M8 clearance holes located on rear of body, sealing washers provided for sealing to IP54 minimum
- Control gear: Integral copper/iron choke with electronic start and power factor capacitors
- Power factor correction: Incorporated to 0.80 min.
- Relamping: Access via front diffuser secured by clips
- Burning position: Universal
- Ingress protection: IP65 to BS EN 60598/IEC529
- Electrical Supply: 230V - 240V 50Hz
- Supplied with lamps



ACFDN24EP



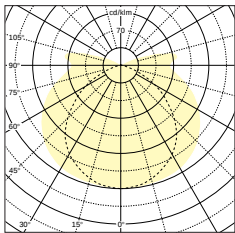
ACFDN25EP/EMIN

ACFDN

2 x 70W T8 Lamps



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

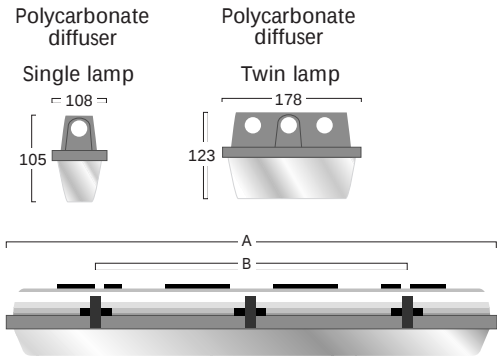


UTILISATION FACTORS UF(F) SHR NOM=1.75

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		
LAMP WAYS	A	B
2 x 18W	683	450
1 x 36W	1271	800
2 x 36W	1293	800
1 x 58W	1571	1100
2 x 58W	1593	1100



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ORDER CODES

HAZARDOUS ZONE 2 FLUORESCENT LUMINAIRES

STANDARD VERSION	LAMPS SUPPLIED	T CLASS	Ta °C	WEIGHT KG	BODY SECTION
ACFDN12ESP	1 X 18W	T4	45	3.2	Single
ACFDN22ESP	2 X 18W	T4	50	3.6	Twin
ACFDN14ESP	1 X 36W	T4	40	3.3	Single
ACFDN24ESP	2 X 36W	T4	45	4.8	Twin
ACFDN15ESP	1 X 58W	T4	30	4.3	Single
ACFDN25ESP	2 X 18W	T4	35	6.5	Twin

EMERGENCY VERSION	LAMPS SUPPLIED	T CLASS	Ta °C	WEIGHT KG	BODY SECTION
ACFDN14SEP/EMIN	1 X 36W	T4	35	4.9	Twin
ACFDN24SEP/EMIN	2 X 36W	T4	35	6.4	
ACFDN15SEP/EMIN	1 X 58W	T4	35	5.9	
ACFDN25SEP/EMIN	2 X 58W	150°C (T3)	30	7.5	

ACCESSORIES *Please order separately*

ACF3CS	Conduit entry seal (2 per pack)
ACF3CG	20mm cable gland (1 per pack)
ACF3HS	Stainless steel hook suspension set
ACFT3ET	Earth tag wire for 20mm cable entry (1 per pack)
A70.981.907	Stainless steel diffuser clips and screw set