

ACFDN

Industrial: Hazardous zone 2 fluorescent luminaire

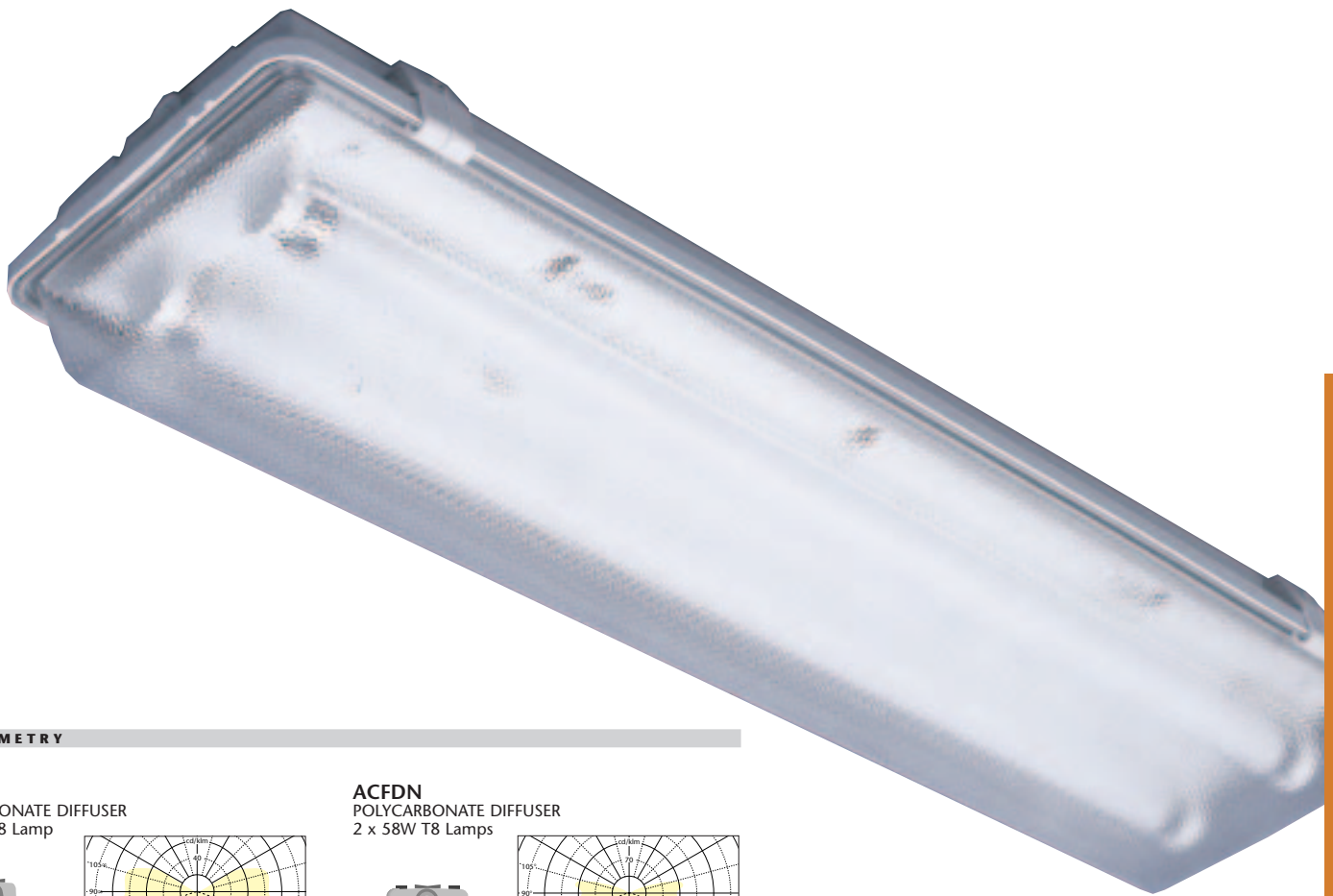
APPLICATION

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

SPECIFICATION

- Lamp options:
 - 1/2 x 36W T8
 - 1/2 x 58W T8
- 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, one at each end
- Installation: Two M8 clearance holes located on rear of body, sealing washers provided for sealing to IP54 minimum
- High frequency control gear
- Re-lamping: Access via front diffuser secured by clips
- Ingress protection: IP65 to BS EN 60598/IEC529
- Electrical Supply:
230V – 240V 50Hz
- Supplied with lamps



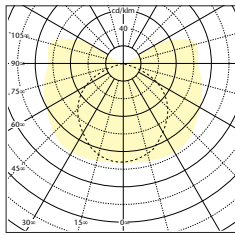


PHOTOMETRY

ACFDN POLYCARBONATE DIFFUSER 1 x 58W T8 Lamp



- SHR MAX = 1.88
- DLOR = 67%
- ULOR = 21%

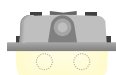


UTILISATION FACTORS UF(F)		SHR NOM=1.75									
Room Reflectance		Room Index									
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	-	0.48	0.55	0.59	0.65	0.70	0.73	0.77	0.80
0.50	0.30	0.20	-	0.39	0.44	0.48	0.54	0.58	0.62	0.66	0.69
0.00	0.00	0.00	-	0.27	0.32	0.35	0.39	0.43	0.45	0.49	0.52

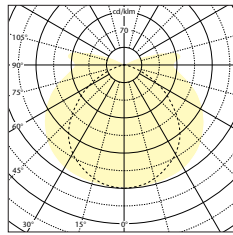
CONVERSION TERMS

Lamp wattage	58W	36W
UF and PC	1.00	1.02

ACFDN POLYCARBONATE DIFFUSER 2 x 58W T8 Lamps



- SHR MAX = 1.79
- DLOR = 65%
- ULOR = 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

CONVERSION TERMS

Lamp wattage	58W	36W
UF and PC	1.00	1.02

LAMP PERFORMANCE MATRIX

WATTAGE	IL@25°C	LAMP LIFE
1 x 36W T8	3350	15,000
1 x 58W T8	5200	15,000

ORDER CODES - ACFDN

HAZARDOUS ZONE 2 FLUORESCENT LUMINAIRES

LAMPS SUPPLIED	T CLASS	Ta °C	WEIGHT KG	BODY SECTION	STANDARD VERSION
1 x 36W	T4	40	3.3	Single	ACFDN14HP
2 x 36W	T4	45	4.8	Twin	ACFDN24HP
1 x 58W	T4	30	4.3	Single	ACFDN15HP
2 x 58W	T4	35	6.5	Twin	ACFDN25HP

LAMPS SUPPLIED	T CLASS	Ta °C	WEIGHT KG	BODY SECTION	EMERGENCY VERSION
1 x 36W	T4	35	4.9	Twin	ACFDN14HP/EMIN
2 x 36W	T4	35	6.4		ACFDN24HP/EMIN
1 x 58W	T4	35	5.9		ACFDN15HP/EMIN
2 x 58W	150°C (T3)	30	7.5		ACFDN25HP/EMIN

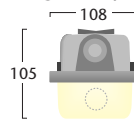
ACCESSORIES Please order separately

ACF3CS	Conduit entry seal (2 per pack)
ACF3HS	Stainless steel hook suspension set
A70.981.907	Stainless steel diffuser clips and screw set

DIMENSIONS

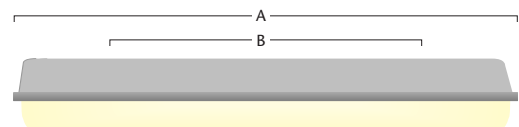
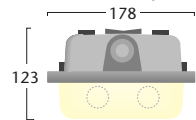
Polycarbonate diffuser

Single lamp



Polycarbonate diffuser

Twin lamp



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