

Industrial fluorescent: T5, IP65 anti-corrosive luminaire for tough environments

Whitecroft  
lighting

# ACF Duralite – T5

## MOTIVATION

ACF Duralite is tough, strong and durable with high impact resistant bodies and diffusers to cope with arduous operating environments. The seamless gasket is moulded into and fills the entire cavity in the body to ensure IP65 is achieved even if the diffuser is fitted a fraction off centre. The improved efficiency of the T5 lamp is now offered on this popular and reliable luminaire.

## APPLICATION

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

## SPECIFICATION

- Body – light grey GRP
- Diffusers:
  - acrylic or high impact polycarbonate
  - injection moulded with linear prisms
- 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
- High frequency gear
- 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



## PROJECT LIGHTING SOLUTIONS

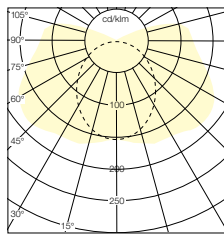
*In addition to our standard product offer, we are able to supply a range of additional options to satisfy needs on major project applications. This luminaire is only available for large projects, please contact our sales office for details.*

## ACF Duralite

1 X 35W Acrylic



- SHR MAX = 2.030
- DLOR = 0.74
- ULOR = 0.16



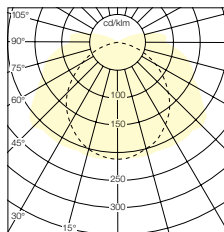
| UTILISATION FACTORS UF(F)        |      |      | SHR NOM = 2.00 |      |      |      |      |      |      |      |      |  |  |
|----------------------------------|------|------|----------------|------|------|------|------|------|------|------|------|--|--|
| Room Reflectance Room Index..... |      |      |                |      |      |      |      |      |      |      |      |  |  |
| C                                | W    | F    | 0.75           | 1.0  | 1.25 | 1.5  | 2.0  | 2.5  | 3.0  | 4.0  | 5.0  |  |  |
| 0.70                             | 0.50 | 0.20 | N/A            | 0.52 | 0.57 | 0.61 | 0.68 | 0.73 | 0.76 | 0.80 | 0.83 |  |  |
| 0.50                             | 0.30 | 0.20 | N/A            | 0.42 | 0.46 | 0.51 | 0.57 | 0.62 | 0.65 | 0.70 | 0.73 |  |  |
| 0.00                             | 0.00 | 0.00 | N/A            | 0.31 | 0.35 | 0.38 | 0.44 | 0.47 | 0.50 | 0.54 | 0.57 |  |  |

## ACF Duralite

2 X 35W Acrylic



- SHR MAX = 1.887
- DLOR = 0.83
- ULOR = 0.12



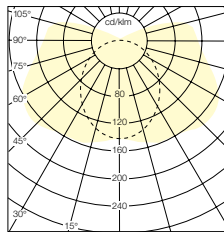
| UTILISATION FACTORS UF(F)        |      |      | SHR NOM = 1.75 |      |      |      |      |      |      |      |      |  |  |
|----------------------------------|------|------|----------------|------|------|------|------|------|------|------|------|--|--|
| Room Reflectance Room Index..... |      |      |                |      |      |      |      |      |      |      |      |  |  |
| C                                | W    | F    | 0.75           | 1.0  | 1.25 | 1.5  | 2.0  | 2.5  | 3.0  | 4.0  | 5.0  |  |  |
| 0.70                             | 0.50 | 0.20 | N/A            | 0.57 | 0.63 | 0.68 | 0.75 | 0.79 | 0.83 | 0.87 | 0.90 |  |  |
| 0.50                             | 0.30 | 0.20 | N/A            | 0.47 | 0.53 | 0.58 | 0.64 | 0.69 | 0.73 | 0.77 | 0.81 |  |  |
| 0.00                             | 0.00 | 0.00 | N/A            | 0.37 | 0.42 | 0.46 | 0.52 | 0.56 | 0.59 | 0.63 | 0.66 |  |  |

## ACF Duralite

1 X 35W Polycarbonate



- SHR MAX = 2.017
- DLOR = 0.70
- ULOR = 0.15



| UTILISATION FACTORS UF(F)        |      |      | SHR NOM = 2.00 |      |      |      |      |      |      |      |      |  |  |
|----------------------------------|------|------|----------------|------|------|------|------|------|------|------|------|--|--|
| Room Reflectance Room Index..... |      |      |                |      |      |      |      |      |      |      |      |  |  |
| C                                | W    | F    | 0.75           | 1.0  | 1.25 | 1.5  | 2.0  | 2.5  | 3.0  | 4.0  | 5.0  |  |  |
| 0.70                             | 0.50 | 0.20 | N/A            | 0.49 | 0.53 | 0.58 | 0.64 | 0.68 | 0.71 | 0.75 | 0.78 |  |  |
| 0.50                             | 0.30 | 0.20 | N/A            | 0.39 | 0.44 | 0.48 | 0.54 | 0.58 | 0.61 | 0.65 | 0.68 |  |  |
| 0.00                             | 0.00 | 0.00 | N/A            | 0.29 | 0.32 | 0.36 | 0.41 | 0.45 | 0.47 | 0.51 | 0.54 |  |  |

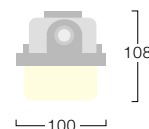
## DIMENSIONS AND WEIGHT

| LAMP WAYS     | LENGTH | LONGITUDINAL DIMENSIONS |      | FIXING CENTRE  | WEIGHT |
|---------------|--------|-------------------------|------|----------------|--------|
|               |        | A                       | B    | HIGH FREQUENCY | KG     |
|               |        |                         |      |                |        |
| 1 X 28W T5 HE | 4ft    | 1276                    | 836  | 2.5            |        |
| 1 X 54W T5 HO | 4ft    | 1276                    | 836  | 2.5            |        |
| 1 X 35W T5 HE | 5ft    | 1576                    | 1136 | 3.5            |        |
| 1 X 80W T5 HO | 5ft    | 1576                    | 1136 | 3.5            |        |
| 2 X 28W T5 HE | 4ft    | 1276                    | 836  | 4.1            |        |
| 2 X 54W T5 HE | 4ft    | 1276                    | 836  | 4.1            |        |
| 2 X 35W T5 HE | 5ft    | 1576                    | 1136 | 6.0            |        |
| 2 X 80W T5 HO | 5ft    | 1576                    | 1136 | 6.0            |        |

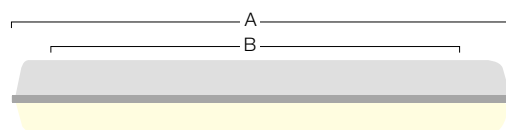
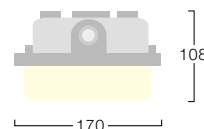
Ambient temperature:-

5°C to +25°C (high frequency)

Single lamp



Twin lamp



## ACF Duralite – T5

### ORDER CODES

IP65 ANTI-CORROSIVE LUMINAIRE FOR TOUGH ENVIRONMENTS

| ACRYLIC  | LENGTH | LAMP SUPPLIED | POLYCARBONATE |
|----------|--------|---------------|---------------|
| ACFD128H | 4FT    | 1 X 28W T5 HE | ACFD128HP     |
| ACFD154H | 4FT    | 1 X 54W T5 HO | ACFD154HP     |
| ACFD135H | 5FT    | 1 X 35W T5 HE | ACFD135HP     |
| ACFD180H | 5FT    | 1 X 80W T5 HO | ACFD180HP     |
| ACFD228H | 4FT    | 1 X 28W T5 HE | ACFD228HP     |
| ACFD254H | 4FT    | 1 X 54W T5 HO | ACFD254HP     |
| ACFD235H | 5FT    | 2 X 35W T5 HE | ACFD235HP     |
| ACFD280H | 5FT    | 2 X 80W TF HO | ACFD280HP     |

ACCESSORIES *please order separately*

ACFDTOG\* Standard plastic securing clip (quantity of 1)

ACFDCLIP\* Lockable stainless steel securing clip (quantity of 1)

ACFKIT Conduit mounting kit.

4ft luminaries require 8 clips and 5ft luminaries 10 clips.

EMERGENCY - Add suffix to order codes above

E3 – 3 hour maintained fully integral emergency for all luminaries except 80W, e.g. ACFD235HEMIN

To specify state.

Fluorescent T5 anti-corrosive 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 Whitecroft Lighting ACF DURALITE T5.

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