

**Essex Range**  
OF FLUORESCENT FITTINGS

**EKCO**

EKCO - ENSIGN ELECTRIC LIMITED



# Essex Range

PATENT APPLIED FOR

## *Fluorescent Lighting Fittings*

An entirely new range of fluorescent lighting fittings, produced by experts with many years of experience, to combat the ever-rising costs of installation and maintenance.

The many unique and simple features of the range are described in this catalogue.

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## BRITISH STANDARDS

All fittings, control gear and components in the **Essex Range** comply in full with the appropriate British Standards. Particular care has been taken to meet the requirements of B.S. 2467 : 1954 'Minimum Safety Requirements for Lighting Fittings'.

The Ekop control gear factory is licensed to manufacture to B.S. 2818 : 1957 'Auxiliaries for the Operation of Fluorescent Lamps' under the British Standards Institution's Certification Mark Scheme.



# Essex Range

PATENT APPLIED FOR

A range of industrial and commercial fluorescent lighting fittings of advanced design to facilitate and reduce the costs of installation, maintenance and storage. The range covers over two hundred different fittings which are based on a compact universal section spine with all the control gear mounted on a removable tray.

## CONSTRUCTION

### METALWORK

Spines and reflectors are formed in 20 s.w.g. (0.036") mild steel sheet, bonderised and stove enamelled.

The spine of the fitting is entirely without holes, with the exception of the two used for suspension purposes. There are no protruding screwheads and load bearing joints are strongly constructed and riveted to comply with B.S. 2467. This results in a fitting with smooth clean lines, absence of dirt traps and a surface which can be thoroughly cleaned with the minimum effort.

The metal endplates for diffusers are attached to the 'Perspex' by strong simple lugs with the advantage that the appearance of the endplate is not marred by any visible fixing device.

### FINISH—STANDARD AND CORROSION RESISTANT

Standard finish on metalwork is best quality white stoved enamel and the electrostatic spraying process ensures excellent paint coverage on all surfaces, particularly edges. The finish is recommended for use in all normal locations.

Where more arduous conditions are encountered, such as acid, alkaline or high humidity, Miracoat finish should be specified. The protection afforded by Miracoat is such that it may be used in corrosive atmospheres where persons are permitted to work continuously under Factory Department Regulations. It is more resistant to damage than vitreous enamel for it will not chip. Rust occurring due to deep scratching will not spread and lift the finish.

### DIFFUSER ENDPLATES—COLOURS AND FINISHES

Endplates are metal and formed from 20 s.w.g. (0.036") sheet. They are stoved enamelled and supplied white, unless a colour is specified.

BLACK, RED, GREEN, BLUE or YELLOW endplates are available at no extra charge, providing the colour is specified when the fitting is ordered.

### 'PERSPEX' REFLECTORS AND DIFFUSERS

Reflectors are of 028 white opal Perspex and diffusers are of 030 Perspex with  $\frac{1}{4}$ " reeding. Both are formed from sheets  $\frac{1}{8}$ " in thickness. The panels in louvred diffusers are anti-static, light-stable, polystyrene mouldings.

'Perspex' should be treated with \*Destatol anti-static liquid after cleaning. This treatment prevents the plastic attracting dust.

A particularly noteworthy feature of the Essex Range diffusers is that they are attached to the batten fitting without the use of screws or tools. A simple locking movement fixes the diffuser firmly in position.

### P.V.C. REFLECTORS

An inexpensive corrosion resistant plastic reflector which is formed in white, rigid P.V.C. The reflectors are recommended for the more arduous conditions as

\* See Appendix IV—page 31

an alternative to vitreous enamel. They are more resistant to corrosion, lighter in weight and have many other advantages. The reflection factor of this plastic tends to increase, rather than decrease, with age.

P.V.C. reflectors should be treated with Destatol in the same way as Perspex.

### SPARE PARTS

The unique features of this range enable maximum advantage to be obtained from relatively few basic parts. Spare reflectors, diffusers and batten fittings for maintenance and other purposes are, therefore, readily obtainable and are detailed in the Appendices on pages 29-31.

These Appendices can also be used as a numerical reference list of fittings.

### PACKING

All fittings are packed in robust cartons complete with assembly instructions where necessary. For easy installation, storage and handling, the complete fitting is despatched in two cartons, one containing the spine complete with control gear tray and the other reflector(s) or diffuser. Reflectors are generally packed in threes. Diffusers are ready assembled complete with endplates.

A unique feature of the range is that no screws for the assembly of fittings are required.

## CONTROL GEAR & FLUORESCENT TUBES

### BRITISH STANDARD CERTIFICATION MARK SCHEME



To obtain permission to use the British Standard 'Kite Mark' a number of exacting testing, inspection and quality control requirements have to be met.

Ekco-Ensign Electric have been granted the first British Standard licence to manufacture control gear for fluorescent lighting.

### CONTROL GEAR TRAYS

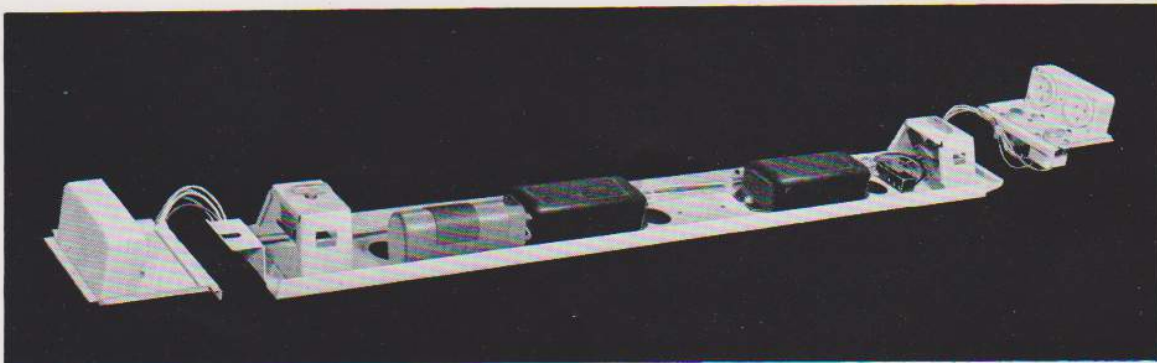
All control gear in fittings is mounted on a quickly removable tray which makes good thermal contact

with the spine of the fitting. The tray is wired complete with lampholder plates which make a sliding fit into the ends of the spine and are retained in position by the ends of the reflector or coverplate. For ease of installation the tray is hooked into the spine, swung up and secured into position by a captive wing nut.

All trays are equipped with a fused terminal block. The fuses are British Standard size—2 amp or 5 amp, according to requirements.\*

The control gear on the tray is high power factor and tapped 200/250V 50c/s. All control gear is despatched wired for 240/250V use.

\* See Appendix V—page 31



## FLUORESCENT TUBES

For switchstart fittings in all locations, standard fluorescent tubes should be used.

In quickstart fittings the type of tube required depends upon the fitting and its location. Recommendations are given in the table below.



Circuit Type	Fitting Location	Batten	Metal Reflector	Plastic Reflector	Diffuser
Switchstart	All	Std	Std	Std	Std
Q/S 8 ft. only	All	Q.S.	Q.S.	Q.S.	Q.S.
Q/S 4 ft. & 5 ft.	Normal	Q.S.	Q.S.	I.S.	Q.S.
Q/S 4 ft. & 5 ft.	Very Dirty	I.S.	I.S.	I.S.	I.S.

Std = Standard

Q.S. = Quickstart (silycoated)

I.S. = Instant Start (Metal Strip)

## SUSPENSION

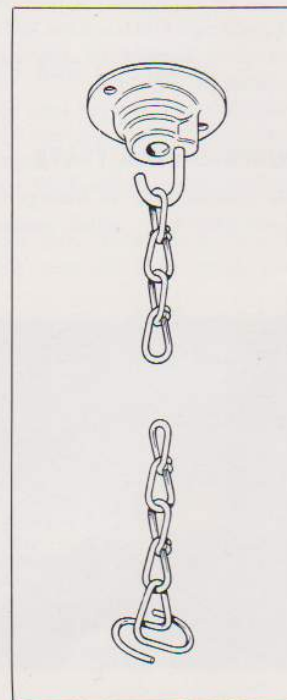
The kits detailed on these pages are designed for the Essex Range, but are suitable for use on all fluorescent lighting fittings with  $\frac{3}{4}$ " clearance holes.

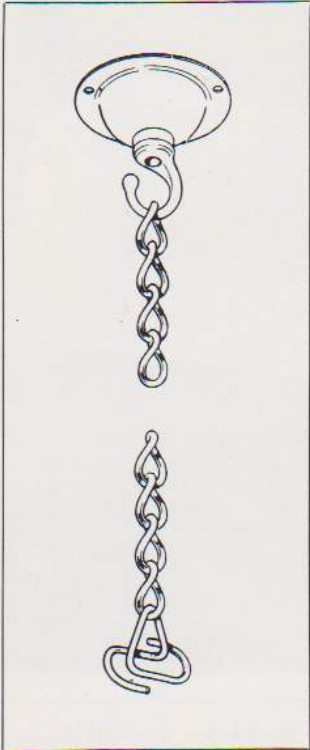
### INDUSTRIAL CHAIN KIT Cat. No. X2549 List Price 7/6d.

A robust heavy duty chain kit, primarily for industrial use. The breaking stress of the chain is over 700 lbs. Ceiling hooks are white stoved enamelled and chain is plated.

The safety hooks fit any  $\frac{3}{4}$ " hole and cannot be disengaged from the chain accidentally.

**COMPONENTS** | two hooked ceiling plates, 2 ins. p.c.d.  
two 3 ft. chains,  
two safety hooks





**PLATED OVAL LINK CHAIN KIT**

**Cat. No. X2548** List Price 18/3d.

All components in this kit are bright nickel-plated. The breaking stress of the chain is approximately 80 lbs.

The safety hooks fit any 3/4" hole and cannot be disengaged from the chain accidentally.

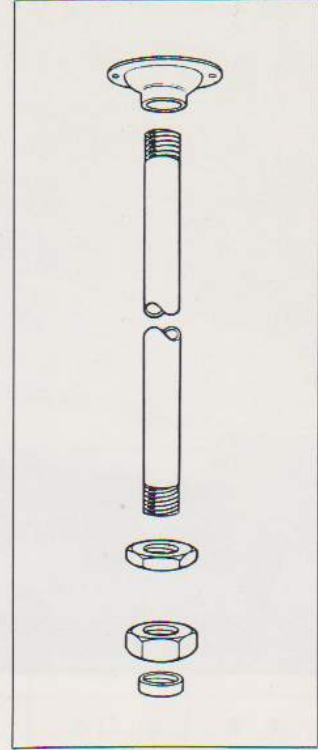
- COMPONENTS** | two hooked ceiling plates, 2 in. p.c.d.  
 two 3 ft. chains,  
 two safety hooks.

**CONDUIT KIT**

**Cat. No. X2500** List Price £1.0.0.

The finish of all the components is white stoved enamel and the kit is recommended for use with any fitting in the range.

- COMPONENTS** | two Conduit ceiling plates, 2 in. p.c.d.  
 two 2 ft. 6 in. conduits,  
 four full nuts,  
 two bushes.



**UNIVERSAL SUSPENSION CHANNEL KITS**

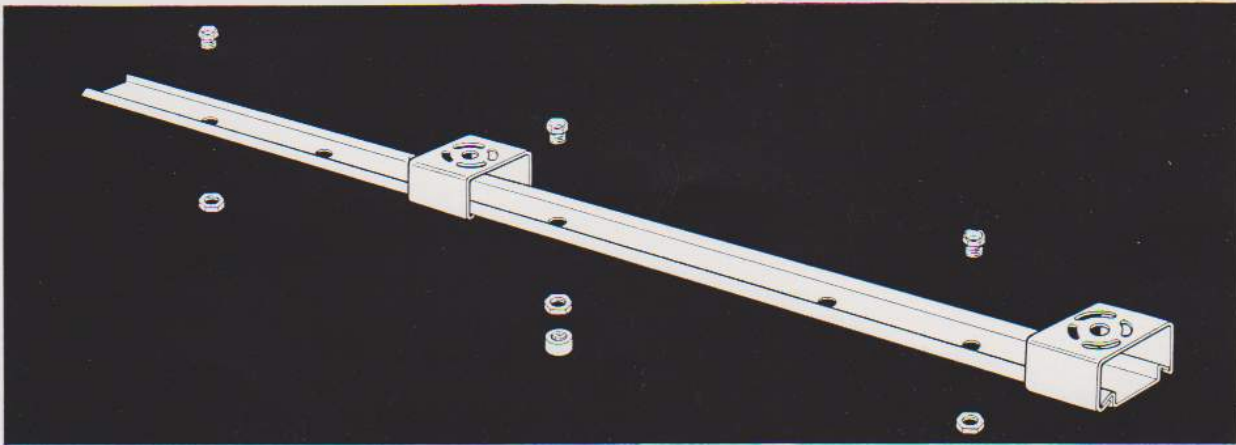
**Cat. No. X2546** List Price 18/-

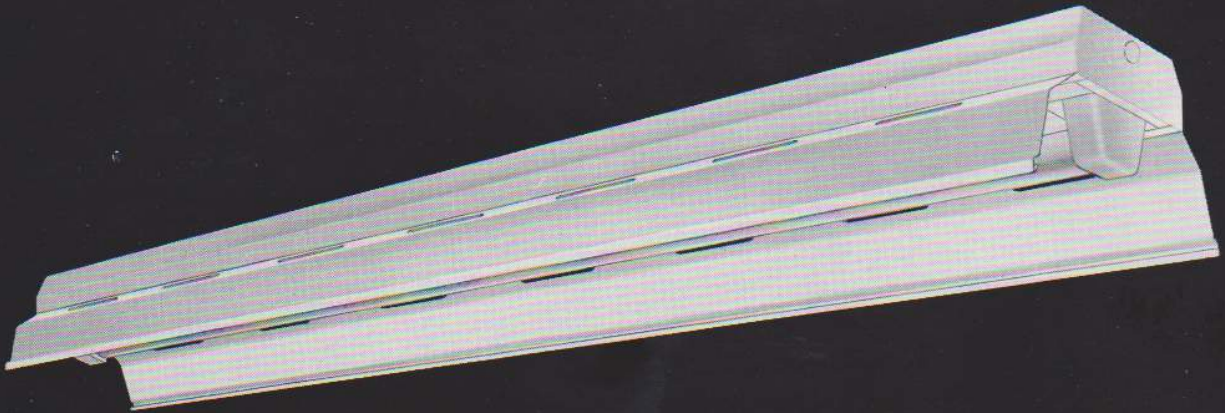
**Cat. No. X2547** List Price †

These channels are for use with the chain and conduit kits listed on this page. They enable any fixing centres, between the limits opposite, to be used.

Cat. No.	Fitting Size	Suspension Centres			
		Max.		*Min.	
		Ins.	mm.	Ins.	mm.
X2546	4 ft.	45	1143	22	559
	5 ft.	45	1143	30	762
X2547	8 ft.	†	†	†	†

\*For chain suspension  
 †To be announced January 1959

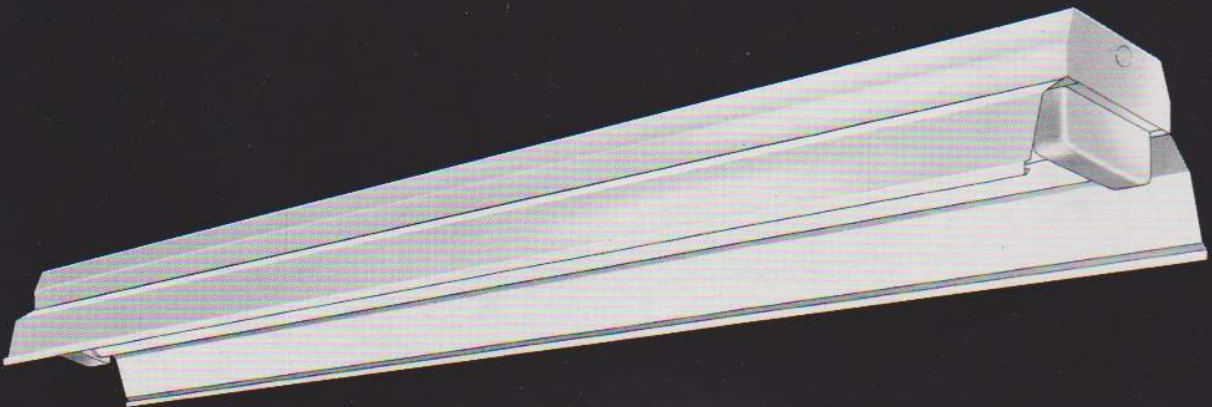




'102' Series

## Essex Range

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'103' Series



# EKCO Essex Range

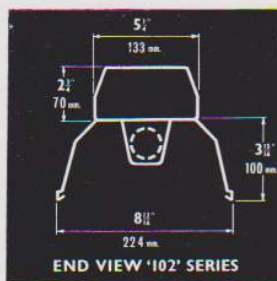
## METAL REFLECTOR FITTINGS

Open-end Type

SLOTTED '102' SERIES				UNSLOTTED '103' SERIES			
Cat. No.	LIST PRICE		Rating	Tubes	Cat. No.	LIST PRICE	
	Switchstart £ s. d.	Quickstart *£ s. d.				Switchstart £ s. d.	Quickstart *£ s. d.
F41102 F42102	7 13 0 10 11 0	8 3 0 11 11 0	40w. 4 ft.	one two	F41103 F42103	7 13 0 10 11 0	8 3 0 11 11 0
F51102 F52102	8 15 0 12 5 0	9 9 0 13 13 0	80w. 5 ft.	one two	F51103 F52103	8 15 0 12 5 0	9 9 0 13 13 0
F81102 F82102	† †	† †	125w. 8 ft.	one two	F81103 F82103	† †	† †

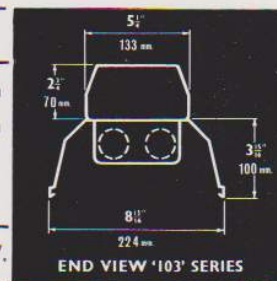
\*Add 'Q/S' to Cat. No.

†To be announced January 1959



Fitting Size	40w. 4 ft.		80w. 5 ft.		125w. 8 ft.	
Length	50 1/4 ins	1277mm	62 3/8 ins	1578mm	96 1/2 ins	2451mm
Fixing Centres	24 ins	610mm	36 ins	914mm	48 ins	1219mm
Wt. Single Tube	20 1/2 lbs	9.3kg	26 1/2 lbs	12kg	† lbs	† kg
Wt. Twin Tube	26 1/2 lbs	12 kg	31 1/2 lbs	14.3kg	† lbs	† kg

Chain, conduit and universal suspension kits details: See pages 6 and 7.



### CORROSION RESISTANT FINISH

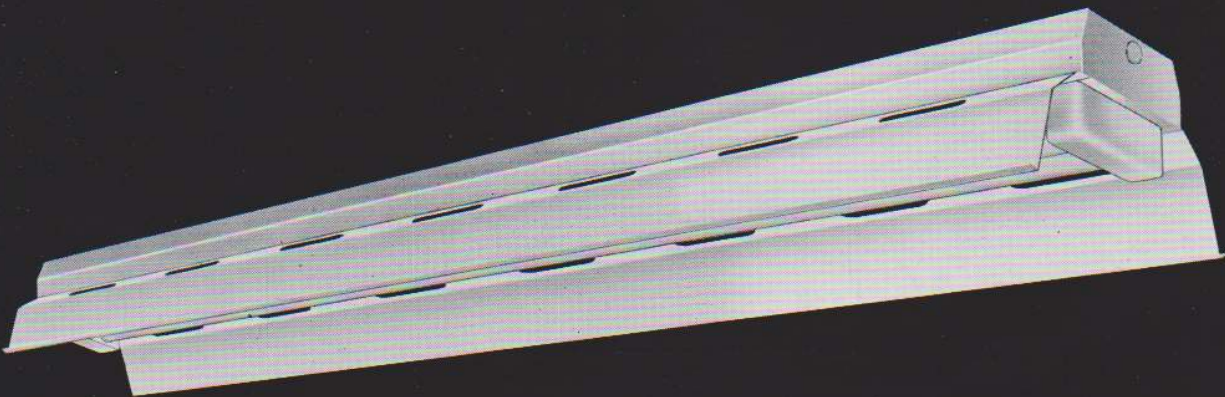
Fittings finished completely in Miracoat

Fitting Size ...	4 ft.	5 ft.	8 ft.
Extra List Price	22/-	24/-	†



'104' Series


# Essex Range




'106' Series

# EKCO Essex Range

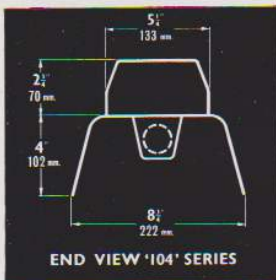
## PERSPEX & P.V.C. REFLECTOR FITTINGS

Open-end Type

PERSPEX—UNSLOTTED '104' SERIES 				P.V.C.—SLOTTED '106' SERIES			
Cat. No.	LIST PRICE		Rating	Tubes	Cat. No.	LIST PRICE	
	Switchstart £ s. d.	Quickstart *£ s. d.				Switchstart £ s. d.	Quickstart *£ s. d.
F41104 F42104	9 18 0 12 16 0	10 8 0 13 16 0	40w. 4 ft.	one two	F41106 F42106	9 5 0 12 3 0	9 15 0 13 3 0
F51104 F52104	11 10 0 15 0 0	12 4 0 16 8 0	80w. 5 ft.	one two	F51106 F52106	10 5 0 13 15 0	10 19 0 15 3 0
F81104 F82104	† †	† †	125w. 8 ft.	one two	F81106 F82106	† †	† †

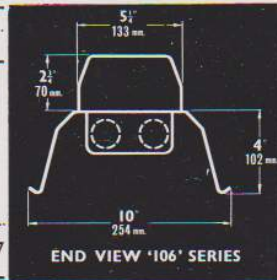
\*Add 'Q/S' to Cat. No.

†To be announced January 1959



Fitting Size	40w. 4 ft.		80w. 5 ft.		125w. 8 ft.	
Length	50 1/4 ins	1277mm	62 1/8 ins	1578mm	96 1/2 ins	2451mm
Fixing Centres	24 ins	610mm	36 ins	914mm	48 ins	1219mm
Wt. Single Tube	15 1/2 lbs	7kg	20 1/2 lbs	9.3kg	† lbs	† kg
Wt. Twin Tube	19 1/2 lbs	8.9kg	25 1/2 lbs	11.6kg	† lbs	† kg

Chain, conduit and universal suspension kit details, See pages 6 and 7



### CORROSION RESISTANT FINISH

Spines finished in Miracoat

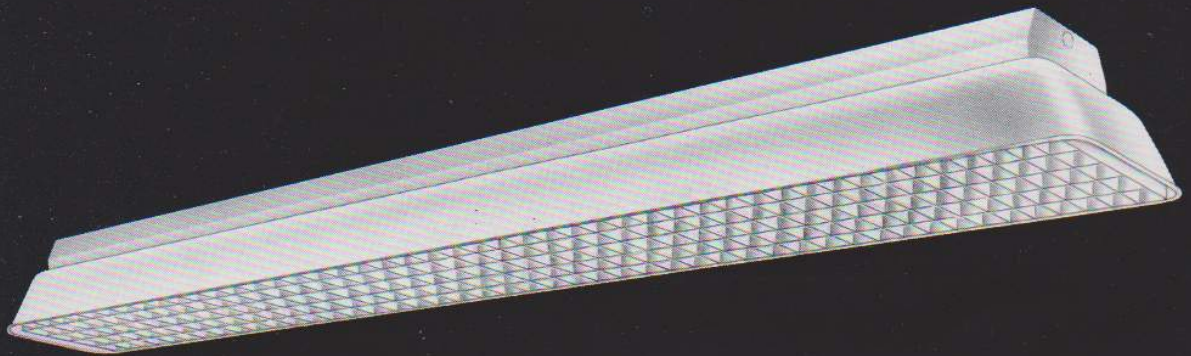
Fitting Size ...	4 ft.	5 ft.	8 ft.
Extra List Price	11/-	13/-	†



'105' Series

## Essex Range

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'115' Series

# EKCO

## Essex Range

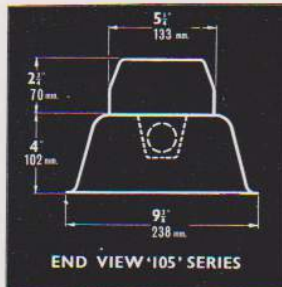
### PERSPEX REFLECTOR FITTINGS

*Closed-end Type*

WITHOUT LOUVRE '105' SERIES				WITH LOUVRE '115' SERIES			
Cat. No.	LIST PRICE		Rating	Tubes	Cat. No.	LIST PRICE	
	Switchstart £ s. d.	Quickstart *£ s. d.				Switchstart £ s. d.	Quickstart *£ s. d.
F41105	9 15 0	10 5 0	40w. 4 ft.	one	F41115	13 15 0	14 5 0
F42105	12 13 0	13 13 0		two	F42115	P.T. 1 18 1 16 15 0 P.T. 1 18 6	P.T. 1 18 1 17 15 0 P.T. 1 18 6
F51105	11 5 0	11 19 0	80w. 5 ft.	one	F51115	15 15 0	16 9 0
F52105	14 15 0	16 3 0		two	F52115	P.T. 2 3 7 19 5 0 P.T. 2 3 7	P.T. 2 3 7 20 13 0 P.T. 2 3 7
F81105	†	†	125w. 8 ft.	one	F81115	†	†
F82105	†	†		two	F82115	†	†

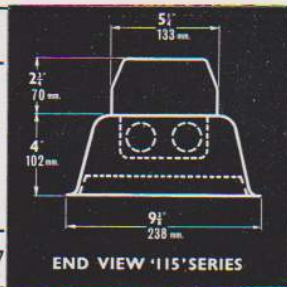
\*Add 'Q/S' to Cat. No.

†To be announced January 1959



Fitting Size	40w. 4 ft.		80w. 5 ft.		125w. 8 ft.	
	Length	54 1/2 ins	1384mm	66 3/8 ins	1685mm	100 1/4 ins
†Fixing Centres	24 ins	610mm	36 ins	914mm	48 ins	1219mm
Wt. Single Tube	17 lbs	7.7kg	22 lbs	10kg	† lbs	† kg
Wt. Twin Tube	21 lbs	9.5kg	27 lbs	12.3kg	† lbs	† kg

†Chain, conduit and universal suspension kits details: See pages 6 and 7



#### CORROSION RESISTANT FINISH

*Spines finished in Miracote*

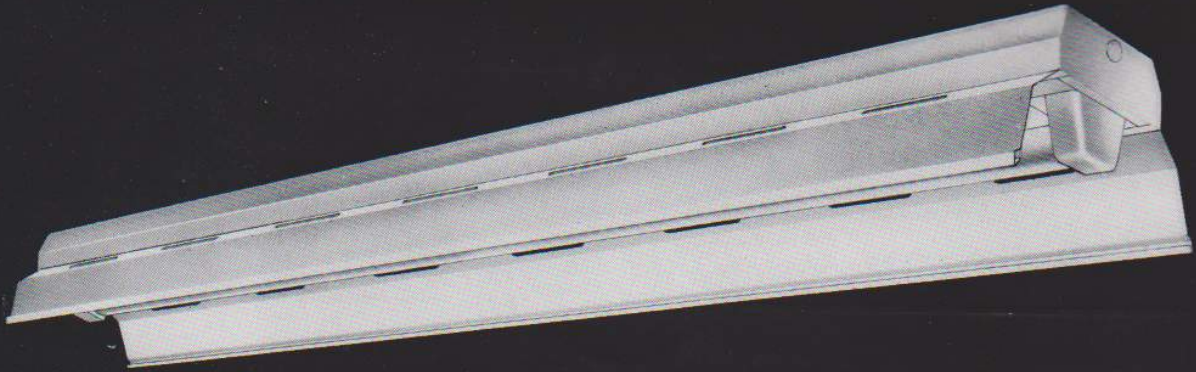
Fitting Size ...	4 ft.	5 ft.	8 ft.
Extra List Price	11/- <sup>0</sup>	13/- <sup>0</sup>	† <sup>0</sup>

<sup>0</sup> Plus P.T. on '115' series

#### LOUVRES

*When louvres are supplied without fittings*

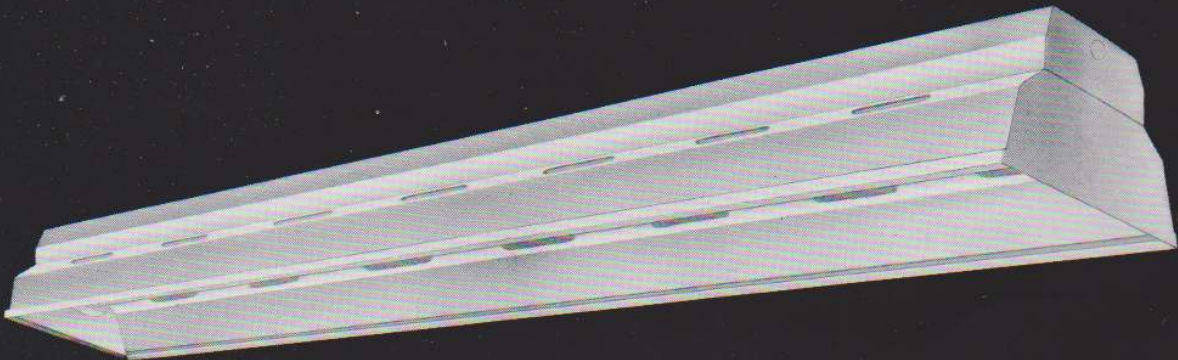
Fitting Size ...	4 ft.	5 ft.	8 ft.
Louvre Cat. No.	N415	N515	N815
List Price ...	4 0 0	4 10 0	†
Purchase Tax...	17 8	19 10	†



'107' Series

## Essex Range

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'117' Series

# EKCO Essex Range

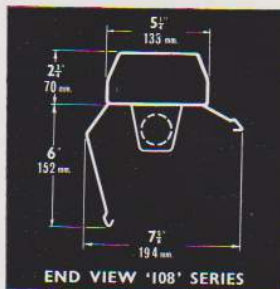
## METAL ANGLE REFLECTOR FITTINGS

*Unslotted Type*

OPEN-END TYPE '108' SERIES			CLOSED-END TYPE '118' SERIES				
Cat. No.	LIST PRICE		Rating	Tubes	Cat. No.	LIST PRICE	
	Switchstart £ s. d.	Quickstart *£ s. d.				Switchstart £ s. d.	Quickstart *£ s. d.
F41108 F42108	7 13 0 10 11 0	8 3 0 11 11 0	40w. 4 ft.	one two	F41118 F42118	8 0 0 10 18 0	8 10 0 11 18 0
F51108 F52108	8 15 0 12 5 0	9 9 0 13 13 0			80w. 5 ft.	one two	F51118 F52118
F81108 F82108	† †	† †	125w. 8 ft.	one two			F81118 F82118

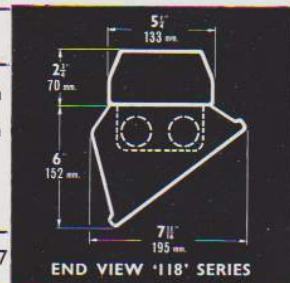
\*Add 'Q/S' to Cat. No.

†To be announced January 1959



Fitting Size	40w. 4 ft.		80w. 5 ft.		125w. 8 ft.	
Length	50 1/4 ins	1277mm	62 1/8 ins	1578mm	96 1/2 ins	2451mm
Fixing Centres	24 ins	610mm	36 ins	914mm	48 ins	1219mm
Wt. Single Tube	20 1/2 lbs	9.3kg	27 lbs	12.3kg	† lbs	† kg
Wt. Twin Tube	24 1/2 lbs	11.1kg	32 lbs	14.5kg	† lbs	† kg

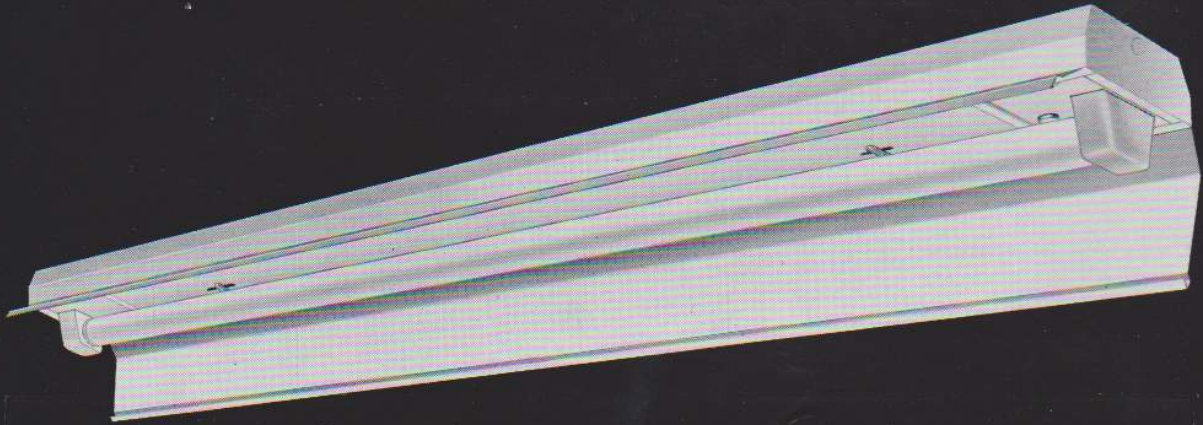
Chain, conduit and universal suspension kits details: See pages 6 and 7



### CORROSION RESISTANT FINISH

Fittings finished *completely* in Miracoat

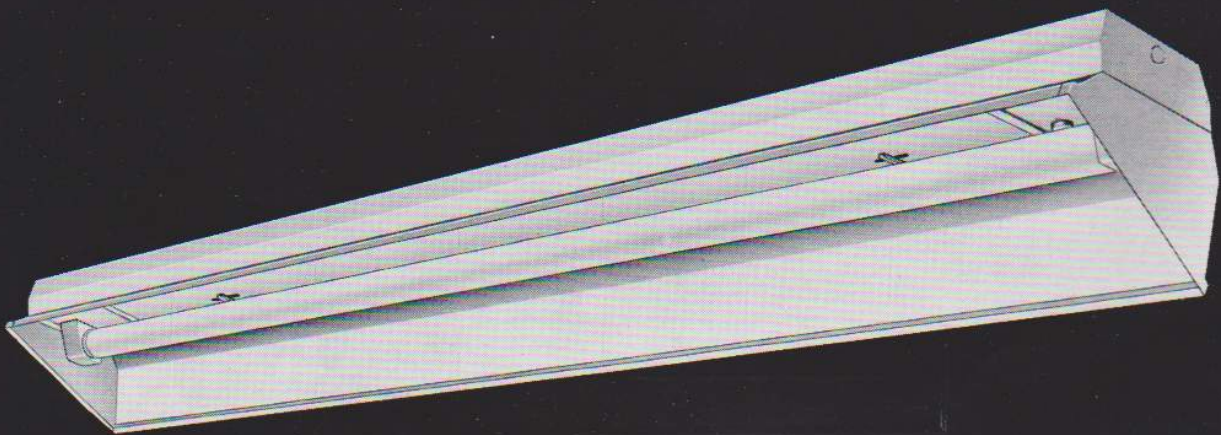
Fitting Size ...	4 ft.	5 ft.	8 ft.
Extra List Price	22/-	24/-	†



' 108' Series

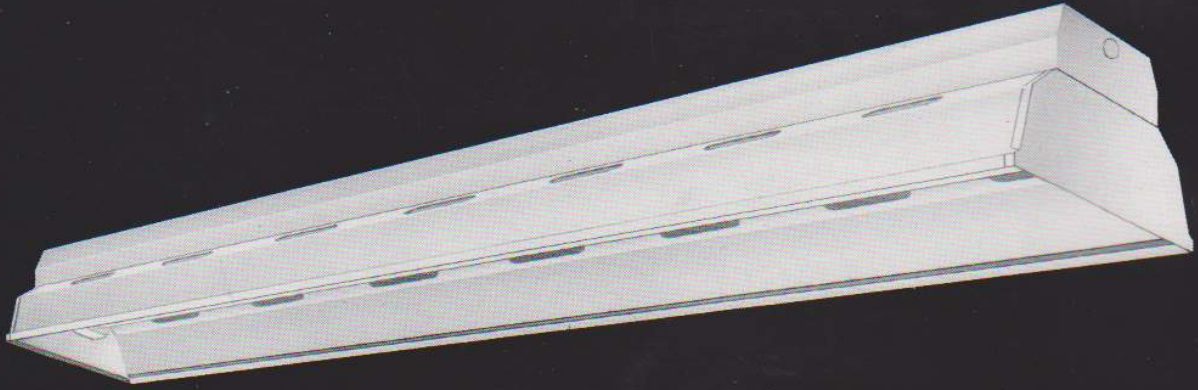
## Essex Range

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' 118' Series

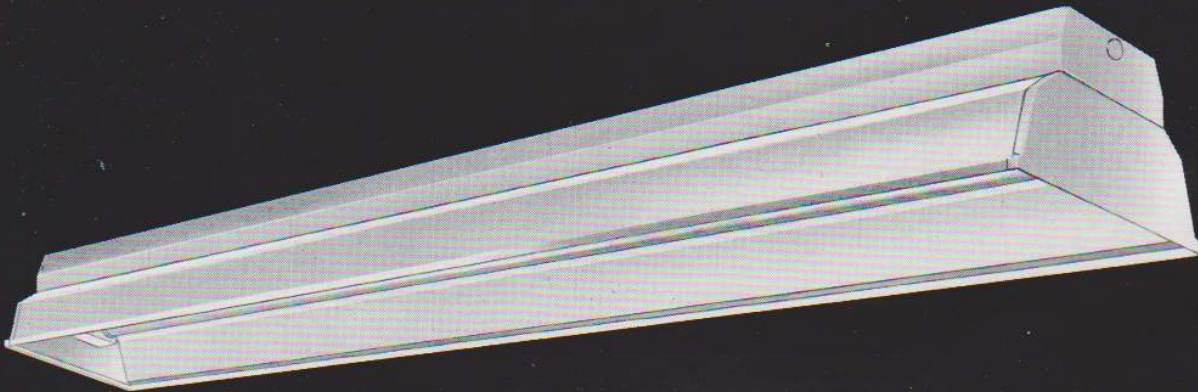




'112' Series

## Essex Range

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'113' Series

# EKCO Essex Range

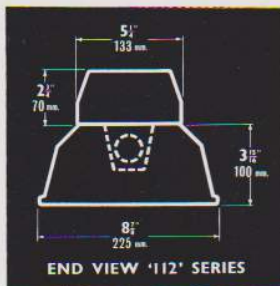
## METAL REFLECTOR FITTINGS

*Closed-end Type*

SLOTTED '112' SERIES			UNSLOTTED '113' SERIES				
Cat. No.	LIST PRICE		Rating	Tubes	Cat. No.	LIST PRICE	
	Switchstart £ s. d.	Quickstart *£ s. d.				Switchstart £ s. d.	Quickstart *£ s. d.
F41112 F42112	8 0 0 10 18 0	8 10 0 11 18 0	40w. 4 ft.	one two	F41113 F42113	8 0 0 10 18 0	8 10 0 11 18 0
F51112 F52112	9 3 0 12 13 0	9 17 0 14 1 0			80w. 5 ft.	one two	F51113 F52113
F81112 F82112	† †	† †	125w. 8 ft.	one two			F81113 F82113

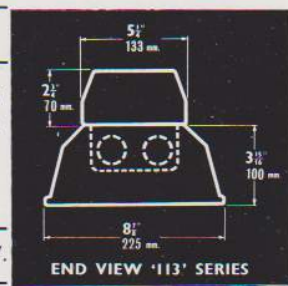
\*Add 'Q/S' to Cat. No.

†To be announced January 1959



Fitting Size	40w. 4 ft.		80w. 5 ft.		125w. 8 ft.	
Length	50 1/4 ins	1277mm	62 1/8 ins	1578mm	96 1/2 ins	2451mm
Fixing Centres	24 ins	610mm	36 ins	914mm	48 ins	1219mm
Wt. Single Tube	22 lbs	10 kg	27 1/2 lbs	12.5kg	† lbs	† kg
Wt. Twin Tube	25 lbs	11.4kg	32 1/2 lbs	14.8kg	† lbs	† kg

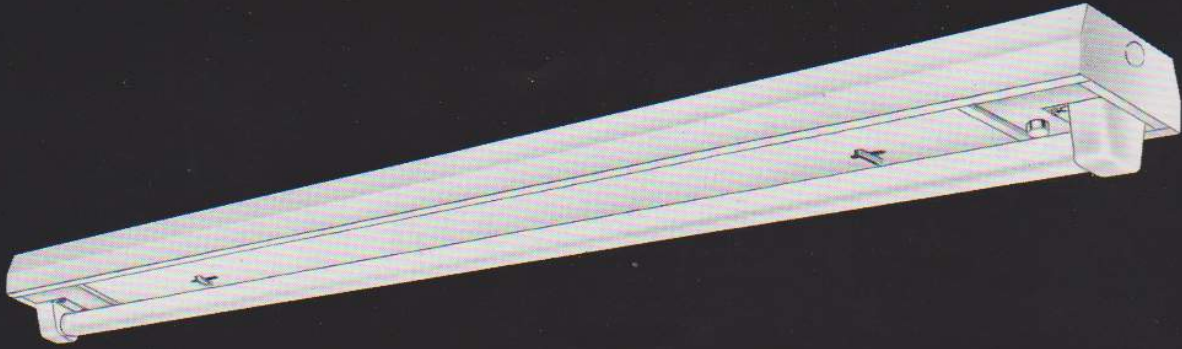
Chain, conduit and universal suspension kits details: See pages 6 and 7.



### CORROSION RESISTANT FINISH

Fittings finished completely in Miracoat

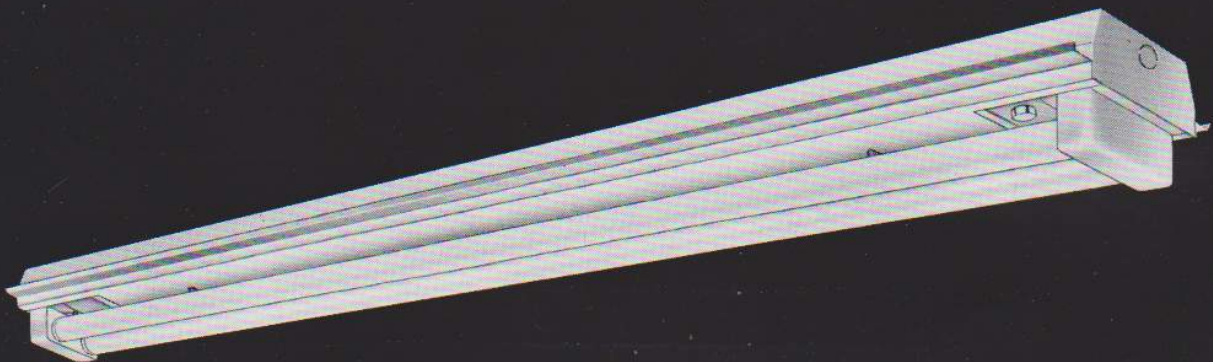
Fitting Size ...	4 ft.	5 ft.	8 ft.
Extra List Price	22/-	24/-	†



' 101 ' Series

## Essex Range

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' 100 ' Series

# EKCO Essex Range

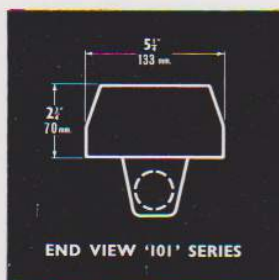
## BATTEN FITTINGS & BASIC SPINE

Rating	Tubes	INDUSTRIAL BATTEN '101' SERIES				BASIC SPINE †† '111' SERIES				COMMERCIAL BATTEN '100' SERIES			
		Cat. No.	List Price		Cat. No.	List Price		Cat. No.	List Price				
			Switchstart £ s. d.	Quickstart *£ s. d.		Switchstart £ s. d.	Quickstart *£ s. d.		Switchstart £ s. d.	Quickstart *£ s. d.			
40W 4 ft.	one	F41101	6 10 0	7 0 0	F41111	6 0 0	6 10 0	F41100	6 18 0	7 8 0			
	two	F42101	9 8 0	10 8 0	F42111	8 18 0	9 18 0	F42100	9 16 0	10 16 0			
80W 5 ft.	one	F51101	7 5 0	7 19 0	F51111	6 15 0	7 9 0	F51100	7 15 0	8 9 0			
	two	F52101	10 15 0	12 3 0	F52111	10 5 0	11 13 0	F52100	11 5 0	12 13 0			
125W 8 ft.	one	F81101	†	†	F81111	†	†	F81100	†	†			
	two	F82101	†	†	F82111	†	†	F82100	†	†			

\*Add 'Q/S' to Cat. No.

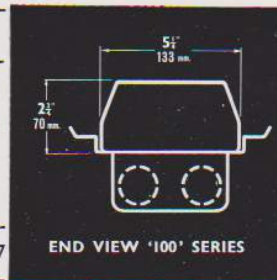
††The basic spine is normally sold as part of a complete fitting

†To be announced January 1959



Fitting Size	40w. 4 ft.		80w. 5 ft.		125w. 8 ft.	
	Length	50 1/2 ins	1277mm	62 1/2 ins	1578mm	96 1/2 ins
Fixing Centres	24 ins	610mm	36 ins	914mm	48 ins	1219mm
Wt. Single Tube	15 lbs	6.8kg	19 1/2 lbs	8.9kg	† lbs	† kg
Wt. Twin Tube	19 lbs	8.6kg	24 1/2 lbs	11.1kg	† lbs	† kg

Chain, conduit and universal suspension kits details: See pages 6 and 7



### CORROSION RESISTANT FINISH

Fittings finished completely in Miracoat

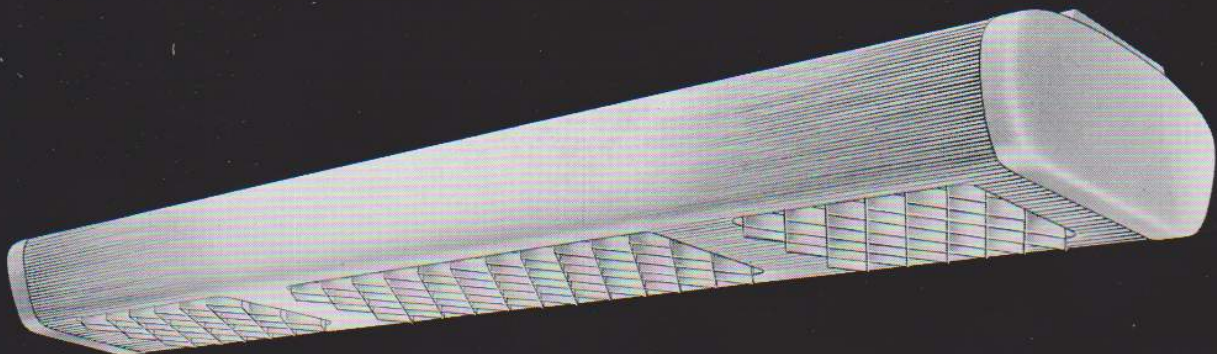
Extra List Price	Fitting Size		
	4 ft.	5 ft.	8 ft.
'101' series ...	14/-	16/-	†
'111' series ...	11/-	13/-	†
'100' series ...	17/-	19/-	†



'301' Series

## Essex Range

Page No. 22



'302' Series

# EKCO Essex Range

## DIFFUSER FITTINGS

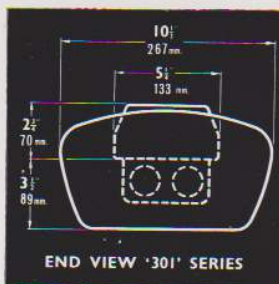
Reeded Perspex Diffusers and Coloured Endplates ††

CLOSED DIFFUSER '301' SERIES				LOUVRED DIFFUSER '302' SERIES			
Cat. No.	LIST PRICE		Rating	Tubes	Cat. No.	LIST PRICE	
	Switchstart £ s. d.	Quickstart *£ s. d.				Switchstart £ s. d.	Quickstart *£ s. d.
F42301 P.T.	18 0 0 2 4 0	19 0 0 2 4 0	40w. 4 ft.	two	F42302 P.T.	19 15 0 2 11 9	20 15 0 2 11 9
F52301 P.T.	21 0 0 2 11 4	22 8 0 2 11 4	80w. 5 ft.	two	F52302 P.T.	23 0 0 3 0 1	24 8 0 3 0 1
F82301	†	†	125w. 8 ft.	two	F82302	†	†

\*Add 'Q/S' to Cat. No.

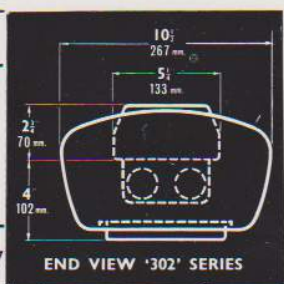
†To be announced January 1959

††Endplates are metal and are available in the following colours: White, Black, Red, Green, Blue, Yellow. (White is supplied unless a colour is specified.)



Fitting Size	40w. 4 ft.		80w. 5 ft.		125w. 8 ft.	
Length	51 1/4 ins	1302mm	63 3/8 ins	1603mm	97 1/2 ins	2476mm
Fixing Centres	24 ins	610mm	36 ins	914mm	48 ins	1219mm
Weight	27lbs	12.3kg	33lbs	15 kg	†lbs	†kg

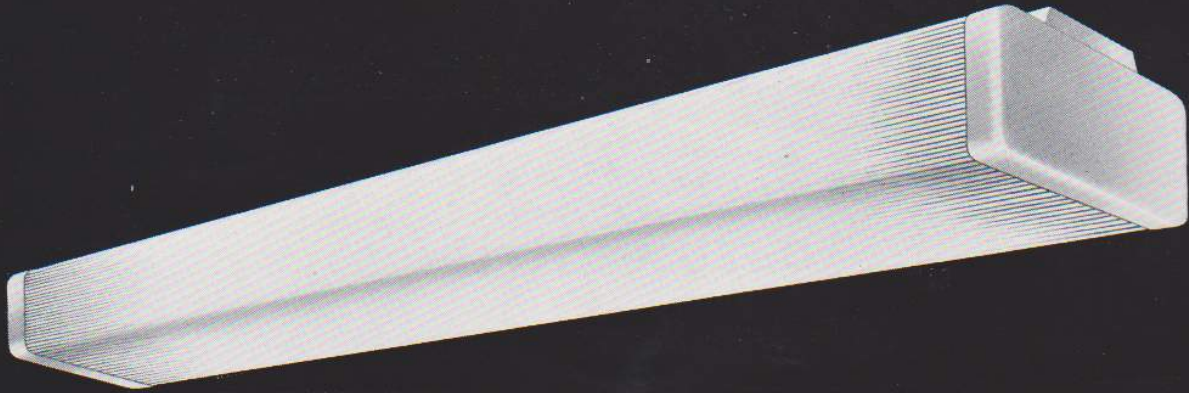
Chain, conduit and universal suspension kits details: See pages 6 and 7



### CORROSION RESISTANT FINISH

Battens finished in Miracoat

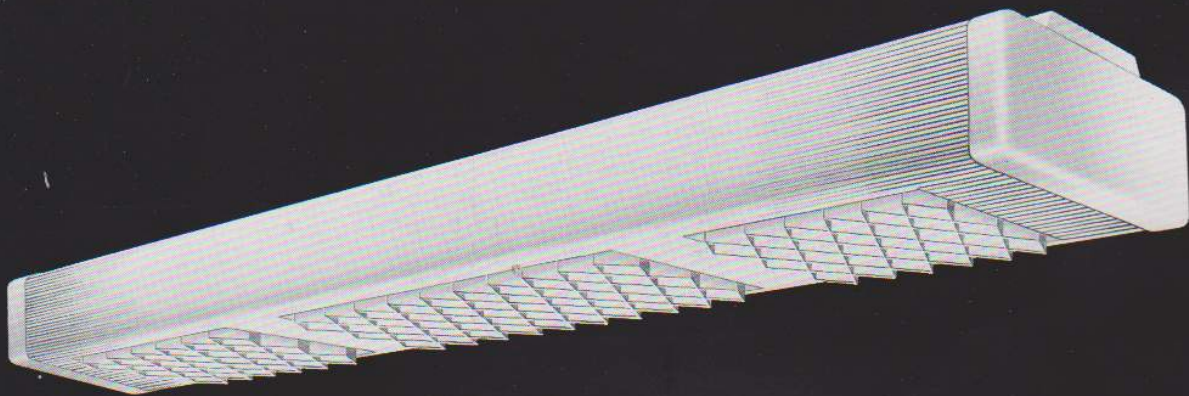
Fitting Size ...	4 ft.	5 ft.	8 ft.
Extra List Price	17/-	19/-	†
P.T.	3/9	4/3	†



'341' Series

## Essex Range

Page No. 24



'342' Series

# EKCO Essex Range

## DIFFUSER FITTINGS

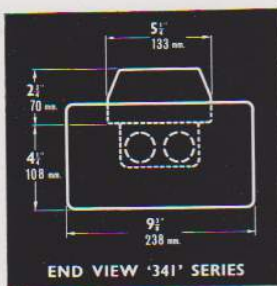
Reeded Perspex Diffusers and Coloured Endplates ††

CLOSED DIFFUSER '341' SERIES			Rating	Tubes	LOUVRED DIFFUSER '342' SERIES		
Cat. No.	LIST PRICE				Cat. No.	LIST PRICE	
	Switchstart £ s. d.	Quickstart *£ s. d.	Switchstart £ s. d.	Quickstart *£ s. d.			
F42341 P.T.	18 0 0 2 4 0	19 0 0 2 4 0	40w. 4 ft.	two	F42342 P.T.	19 15 0 2 11 9	20 15 0 2 11 9
F52341 P.T.	21 0 0 2 11 4	22 8 0 2 11 4	80w. 5 ft.	two	F52342 P.T.	23 0 0 3 0 1	24 8 0 3 0 1
F82341	†	†	125w. 8 ft.	two	F82342	†	†

\*Add 'Q/S' to Cat. No.

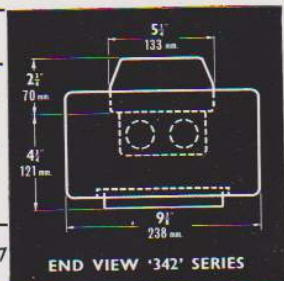
†To be announced January 1959

††Endplates are metal and are available in the following colours: White, Black, Red, Green, Blue, Yellow. (White is supplied unless a colour is specified.)



Fitting Size	40w. 4 ft.		80w. 5 ft.		125w. 8 ft.	
Length	51 1/4 ins	1302mm	63 3/8 ins	1603mm	97 1/2 ins	2476mm
Fixing Centres	24 ins	610mm	36 ins	914mm	48 ins	1219mm
Weight	26 1/2 lbs	12kg	32 1/2 lbs	14.8kg	† lbs	† kg

Chain, conduit and universal suspension kits details: See pages 6 and 7

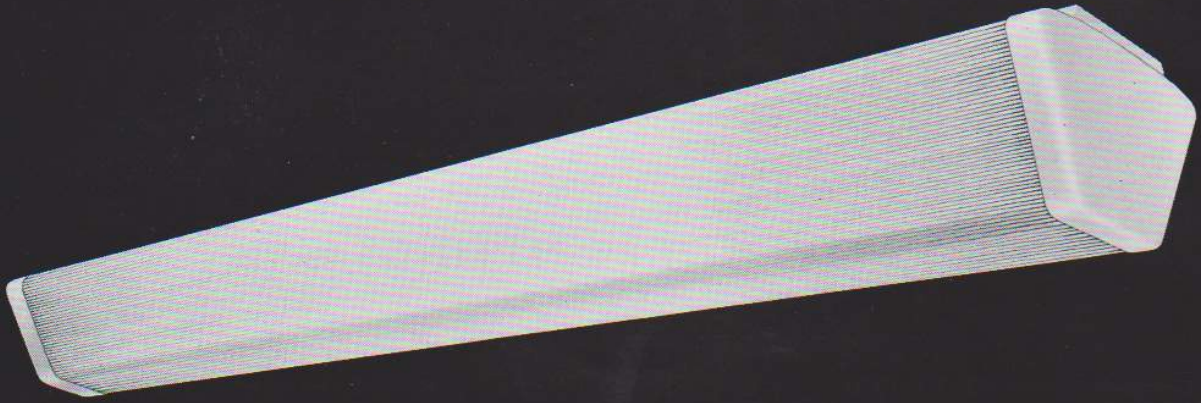


### CORROSION RESISTANT FINISH

Battens finished in Miracoat

Fitting Size ...	4 ft.	5 ft.	8 ft.
Extra List Price P.T.	17/- 3/9	19/- 4/3	†

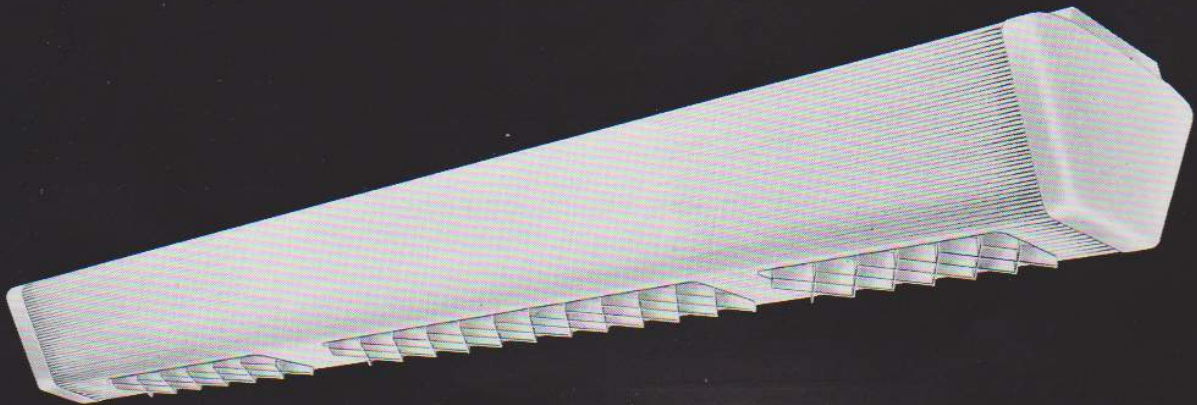




'361' Series

## Essex Range

Page No. 26



'362' Series

# EKCO Essex Range

## DIFFUSER FITTINGS

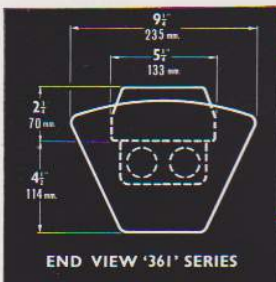
Reeded Perspex Diffusers and Coloured Endplates ††

CLOSED DIFFUSER '361' SERIES				LOUVRED DIFFUSER '362' SERIES			
Cat. No.	LIST PRICE		Rating	Tubes	Cat. No.	LIST PRICE	
	Switchstart £ s. d.	Quickstart *£ s. d.				Switchstart £ s. d.	Quickstart *£ s. d.
F42361 P.T.	17 10 0 2 1 10	18 10 0 2 1 10	40w. 4 ft.	two	F42362 P.T.	18 15 0 2 7 4	19 15 0 2 7 4
F52361 P.T.	20 10 0 2 9 1	21 18 0 2 9 1	80w. 5 ft.	two	F52362 P.T.	22 0 0 2 15 8	23 8 0 2 15 8
F82361	†	†	125w. 8 ft.	two	F82362	†	†

\*Add 'Q/S' to Cat. No.

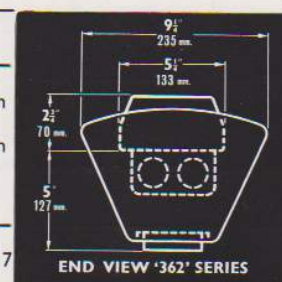
†To be announced January 1959

††Endplates are metal and are available in the following colours: White, Black, Red, Green, Blue, Yellow. (White is supplied unless a colour is specified.)



Fitting Size	40w. 4 ft.		80w. 5 ft.		125w. 8 ft.	
Length	51 1/4 ins	1302mm	63 3/8 ins	1603mm	97 1/2 ins	2476mm
Fixing Centres	24 ins	610mm	36 ins	914mm	48 ins	1219mm
Weight	26lbs	11.8kg	31 1/2 lbs	14.3kg	†lbs	†kg

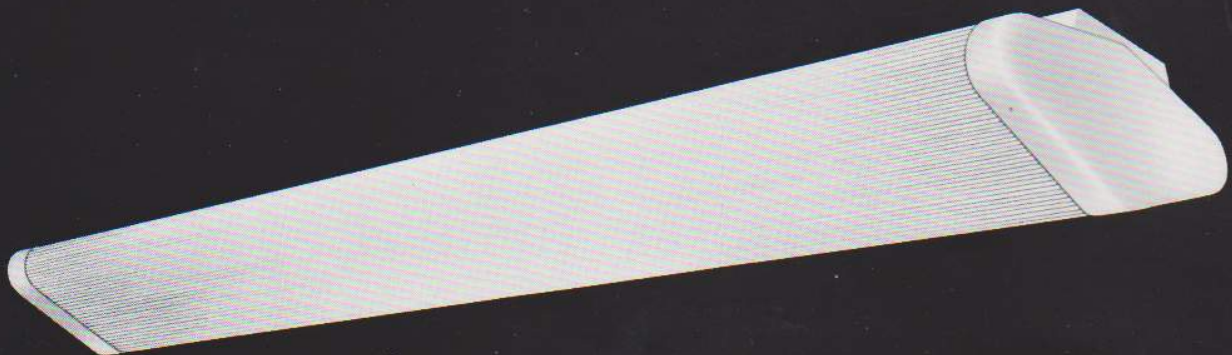
Chain, conduit and universal suspension kits details: See pages 6 and 7



### CORROSION RESISTANT FINISH

Battens finished in Miracoat

Fitting Size ...	4 ft.	5 ft.	8 ft.
Extra List Price	17/-	19/-	†
P.T.	3/9	4/3	



'321' Series

		CLOSED DIFFUSER '321' SERIES						
Rating	Tubes	Cat. No.	LIST PRICE					
			Switchstart		Quickstart			
			£	s.	d.	*£	s.	d.
40w. 4 ft.	two	F42321 P.T.	18	0	0	19	0	0
			2	4	0	2	4	0
80w. 5 ft.	two	F52321 P.T.	21	0	0	22	8	0
			2	11	4	2	11	4
125w. 8 ft.	two	F82321	†			†		



## Essex Range DIFFUSER FITTINGS

*Reeded Perspex Diffusers and  
Coloured Endplates ††*

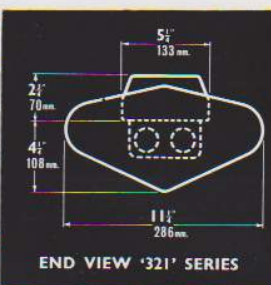
††Endplates are metal and are available in the following colours:  
White, Black, Red, Green, Blue, Yellow. (White is supplied  
unless a colour is specified.)

\*Add 'Q/S' to Cat. No.

†To be announced January 1959

Fitting Size	40w. 4 ft.		80w. 5 ft.		125w. 8 ft.	
	Length	51½ ins	1302mm	63½ ins	1603mm	97½ ins
Fixing Centres	24 ins	610mm	36 ins	914mm	48 ins	1219mm
Weight	26½ lbs	12kg	32½ lbs	14.8kg	†lbs	†kg

Chain, conduit and universal suspension kits details: See pages 6 and 7



### CORROSION RESISTANT FINISH

Battens finished in Miracoat

Fitting Size	...	4 ft.	5 ft.	8 ft.
Extra List Price		17/-	19/-	†
P.T.		3/9	4/3	†

# APPENDIX I

## BASIC SPINE

All fittings in the Essex Range have as their basis the spines detailed hereunder:—

Tube Size	No. of Tubes	Spine	Tube Size	No. of Tubes	Spine	Tube Size	No. of Tubes	Spine
40w. 4 ft.	One	F41111	80w. 5 ft.	One	F51111	125w. 8 ft.	One	F81111
	Two	F42111		Two	F52111		Two	F82111

## SPARE REFLECTORS AND INDEX

Fitting Cat. No.	Page No.	Reflector	
		Cat. No.	List Price
F41100	21	K4100	18 0
F41101	21	K4101	10 0
F41102	9	K4102	1 13 0
F41103	9	K4103	1 13 0
F41104	11	K4104	3 18 0
F41105	13	K4105	3 15 0
F41106	11	K4106	3 5 0
F41107	15	K4107	4 0 0
F41108	17	K4108	1 13 0
F41111	21	—	—
F41112	19	K4112	2 0 0
F41113	19	K4113	2 0 0
F41115	13	K4115*	7 15 0
		P.T.	1 14 2
F41117	15	K4117	4 10 0
F41118	17	K4118	2 0 0
F42100	21	K4100	18 0
F42101	21	K4101	10 0
F42102	9	K4102	1 13 0
F42103	9	K4103	1 13 0
F42104	11	K4104	3 18 0
F42105	13	K4105	3 15 0
F42106	11	K4106	3 5 0
F42107	15	K4107	4 0 0
F42108	17	K4108	1 13 0
F42111	21	—	—
F42112	19	K4112	2 0 0
F42113	19	K4113	2 0 0
F42115	13	K4115*	7 15 0
		P.T.	1 14 2
F42117	15	K4117	4 10 0
F42118	17	K4118	2 0 0
F51100	21	K5100	1 0 0
F51001	1	K5101	10 0
F51102	9	K5201	2 0 0
F51103	9	K5103	2 0 0
F51104	11	K5104	4 15 0
F51105	13	K5105	4 10 0
F51106	11	K5106	3 10 0
F51107	15	K5107	4 5 0
F51108	17	K5108	2 0 0
F51111	21	—	—
F51112	19	K5112	2 8 0
F51113	19	K5113	2 8 0
F51115	13	K5115*	9 0 0
		P.T.	1 19 8
F51117	15	K5117	4 15 0

Fitting Cat. No.	Page No.	Reflector	
		Cat. No.	List Price
F51118	17	K5118	2 8 0
F52100	21	K5100	1 0 0
F52101	21	K5101	10 0
F52102	9	K5102	2 0 0
F52103	9	K5103	2 0 0
F52104	11	K5104	4 15 0
F52105	13	K5105	4 10 0
F52106	11	K5106	3 10 0
F52107	15	K5107	4 5 0
F52108	17	K5108	2 0 0
F52111	21	—	—
F52112	19	K5112	2 8 0
F52113	19	K5113	2 8 0
F52115	13	K5115*	9 0 0
		P.T.	1 19 8
F52117	15	K5117	4 15 0
F52118	17	K5118	2 8 0
F81100	21	K8100	+
F81101	21	K8101	+
F81102	9	K8102	+
F81103	9	K8103	+
F81104	11	K8104	+
F81105	13	K8105	+
F81106	11	K8106	+
F81107	15	K8107	+
F81108	17	K8108	+
F81111	21	—	—
F81112	19	K8112	+
F81113	19	K8113	+
F81115	13	K8115*	+
F81117	15	K8117	+
F81118	17	K8118	+
F82100	21	K8100	+
F82101	21	K8101	+
F82102	9	K8102	+
F82103	9	K8103	+
F82104	11	K8104	+
F82105	13	K8105	+
F82106	11	K8106	+
F82107	15	K8107	+
F82108	17	K8108	+
F82111	21	—	—
F82112	19	K8112	+
F82113	19	K8113	+
F82115	13	K8115*	+
F82117	15	K8117	+
F82118	17	K8118	+

\* Complete with louvre panel

† To be announced January 1959

# APPENDIX II

## DIFFUSER SPARE PARTS AND INDEX

Fitting Cat. No.	Page No.	DIFFUSER		PERSPEX MOULDING		LOUVRE PANEL		ENDPLATE†		DIFFUSER SUPPORT STRAP	
		Cat. No.	List Price	Cat. No.	List Price	Cat. No.	List Price each	Cat. No.	List Price each	Cat. No.	List Price
F42301	23	D4301	9 2 0	N401	7 14 0	—	—	N301	10 0	—	—
		P.T.	2 0 1	P.T.	1 13 11				P.T. 2 3		
F42302	23	D4302	10 17 0	N402	7 9 0	N403†	1 0 0	N301	10 0	—	—
		P.T.	2 7 9	P.T.	1 12 10		P.T. 4 5		P.T. 2 3		
F42321	28	D4321	9 2 0	N421	7 14 0	—	—	N321	10 0	—	—
		P.T.	2 0 1	P.T.	1 13 11				P.T. 2 3		
F42341	25	D4341	9 2 0	N441	7 14 0	—	—	N341	10 0	—	—
		P.T.	2 0 1	P.T.	1 13 11				P.T. 2 3		
F42342	25	D4342	10 17 0	N442	7 9 0	N403†	1 0 0	N341	10 0	—	—
		P.T.	2 7 9	P.T.	1 12 10		P.T. 4 5		P.T. 2 3		
F42361	27	D4361	8 12 0	N461	7 4 0	—	—	N361	10 0	—	—
		P.T.	1 17 11	P.T.	1 11 10				P.T. 2 3		
F42362	27	D4362	9 17 0	N462	6 19 0	N405†	15 0	N361	10 0	—	—
		P.T.	2 3 5	P.T.	1 10 7		P.T. 3 4		P.T. 2 3		
F52301	23	D5301	10 15 0	N501	9 5 0	—	—	N301	10 0	—	—
		P.T.	2 7 4	P.T.	2 0 9				P.T. 2 3		
F52302	23	D5302	12 15 0	N502	8 9 0	N503†	12 0	N301	10 0	—	—
		P.T.	2 16 2	P.T.	1 19 5	small	P.T. 2 8		P.T. 2 3		
						N504	1 2 0				
						large	P.T. 4 11				
F52321	28	D5321	10 15 0	N521	9 5 0	—	—	N321	10 0	—	—
		P.T.	2 7 8	P.T.	2 0 9				P.T. 2 3		
F52341	25	D5341	10 15 0	N541	9 5 0	—	—	N341	10 0	—	—
		P.T.	2 7 8	P.T.	2 0 9				P.T. 2 3		
F52342	25	D5342	12 15 0	N542	8 19 0	N503†	12 0	N341	10 0	—	—
		P.T.	2 16 5	P.T.	1 19 5	small	P.T. 2 8		P.T. 2 3		
						N504	1 2 0				
						large	P.T. 4 11				
F52361	27	D5361	10 5 0	N561	8 15 0	—	—	N361	10 0	—	—
		P.T.	2 5 2	P.T.	1 18 6				P.T. 2 3		
F52362	27	D5362	11 15 0	N562	8 10 0	N505†	9 0	N361	10 0	—	—
		P.T.	2 11 9	P.T.	1 17 5	small	P.T. 2 0		P.T. 2 3		
						N506	17 0				
						large	P.T. 3 9				
F82301	23	D8301	‡	N801	‡	—	—	N301	10 0	N807	‡
		P.T.		P.T.					P.T. 2 3	P.T.	
F82302	23	D8302	‡	N802	‡	N403†	1 0 0	N301	10 0	N807	‡
		P.T.		P.T.		P.T.	4 5		P.T. 2 3	P.T.	‡
F82321	28	D8321	‡	N821	‡	—	—	N321	10 0	N808	‡
		P.T.		P.T.					P.T. 2 3	P.T.	‡
F82341	25	D8341	‡	N841	‡	—	—	N341	10 0	N809	‡
		P.T.		P.T.					P.T. 2 3	P.T.	‡
F82342	25	D8342	‡	N842	‡	N403†	1 0 0	N341	10 0	N809	‡
		P.T.		P.T.		P.T.	4 5		P.T. 2 3	P.T.	‡
F82361	27	D8361	‡	N861	‡	—	—	N361	10 0	N810	‡
		P.T.		P.T.					P.T. 2 3	P.T.	‡
F82362	27	D8362	‡	N862	‡	N405†	15 0	N361	10 0	N810	‡
		P.T.		P.T.		P.T.	3 4		P.T. 2 3	P.T.	‡

‡ To be announced January 1959.

† Two required per fitting.

## APPENDIX III CONTROL GEAR TRAYS

For 200/250v. 50 c/s supplies. Complete with lampholder plates and spring-loaded bi-pin lampholders.

Fitting Size	Tubes	Switchstart		Quickstart	
		Cat. No.	List Price	Cat. No.	List Price
40w. 4 ft.	One	Y3004	5 2 0	Y3005	5 12 0
	Two	Y3006	8 0 0	Y3007	9 0 0
80w. 5 ft.	One	Y3008	5 17 0	Y3009	6 11 0
	Two	Y3010	9 7 0	Y3011	10 15 0
125w. 8 ft.	One	Y3012	†	Y3013	†
	Two	Y3014	†	Y3015	†

†To be announced January 1959

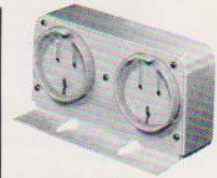
## APPENDIX IV MISCELLANEOUS SPARE PARTS

### LAMP HOLDERS



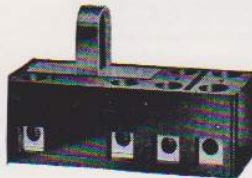
L2446

Cat. No.	Group Ref. No.	Description	List Price each
L2446	B1510	Spring loaded bi-pin lampholder for one tube	6/-
L2447	B1511	Spring loaded bi-pin lampholder for two tubes	11/6



L2447

### FUSED TERMINAL BLOCK, MAINS ADAPTOR AND FUSES



L2430

Cat. No.	Group Ref. No.	Description	List Price
L2430	T1265	5-amp fused 3-way terminal block	3/-
L2435	T1267	2-amp cartridge fuse for L2430	6d
L2436	T1268	5-amp cartridge fuse for L2430	6d

### DESTATOL

A liquid for cleaning and for neutralising the static charge on Perspex reflectors and diffusers and other plastic objects.

Cat. No.	Group Ref. No.	Description	List Price
L2412	M6007	1-gallon tin	17/6
L2413	M6008	1/2-gallon tin	9/-
L2414	M6009	Polythene spray bottle	3/6



L2414

## APPENDIX V FUSES

The cartridge fuses in mains terminal blocks of Essex Range fittings are easily replaceable. Recommended sizes are shown in the table.

Fitting Size	Fuse Rating	Fuse Cat. No.	List Price
4 ft. single tube ... ..	2 amp.	L2435	6d
4 ft. twin tube ... ..	2 amp.	L2435	6d
5 ft. single tube ... ..	2 amp.	L2435	6d
5 ft. twin tube ... ..	5 amp.	L2436	6d
8 ft. single tube ... ..	5 amp.	L2436	6d
8 ft. twin tube ... ..	5 amp.	L2436	6d

# CONDITIONS OF SALE

All orders for Ekco-Ensign Lighting Products are executed by us on the understanding that the purchaser accepts the following Conditions of Sale which shall constitute a binding contract.

**PRICES AND DISCOUNTS.** The published prices of Ekco-Ensign Lighting Products are those ruling on the date of publication and are subject to alteration without notice. All goods will be invoiced at the prices current at the date of despatch by us, irrespective of the prices ruling at the time of acceptance of the order. Prices and discounts, as determined from time to time, must be observed by all resellers who shall not offer Ekco-Ensign Lighting Products for sale other than at these prices with such discounts where permitted, as set out in our catalogues and schedules of discounts, and shall make these terms known to any subsequent buyer at the time of or prior to the resale or transfer of the products.

**PAYMENT.** 2½ per cent settlement discount is allowed for payment of accounts (less Purchase Tax) not later than the end of the month following the date of invoice, unless otherwise stated by us in writing.

Purchasers desiring to open credit accounts with us should furnish two satisfactory trade references and name and address of Bankers.

**CARRIAGE AND PACKING.** Tungsten Filament, Sodium and Mercury Lamps, Fluorescent Tubes, Fluorescent Fittings, Control Gear, and Tungsten Industrial Reflectors will be delivered carriage free to any part of Great Britain and Northern Ireland by normal goods transport. When special delivery arrangements are requested, the difference between goods and special rates will be charged.

COMMERCIAL GLASS FITTINGS OF A NETT VALUE OF £10 and OVER WILL BE DELIVERED FREE; ORDERS FOR THESE FITTINGS OF LESS THAN £10 NETT VALUE WILL BE CHARGED WITH CARRIAGE AND PACKING.

ALL RETURNABLE CASES USED WILL BE CHARGED AND CREDITED ON RETURN TO THE SENDING DEPOT.

**LOSS OR DAMAGE IN TRANSIT.** In the event of loss or damage in transit, it is essential that carriers and our despatching depot be advised within three days of receipt of goods.

The following details should be sent to us:

Advice note number.	Date carrier advised.
Date consignment received.	Condition of package.
Carrier's name.	Damage or shortage.

Irrespective of the condition of packing, goods and packing should be held as received for inspection by the carriers. After inspection, carriers may accept the goods for return to the sending depot, carriage free. In the event of non-delivery carriers and our despatching depot must be advised within ten days of the date of the advice note.

Ekco-ENSIGN ELECTRIC LTD. will not be responsible for goods lost or damaged in transit unless the above directions are observed.

**DELIVERY.** Every effort will be made on our part to meet customers' delivery demands.

Ekco-Ensign Electric will not be held responsible in damages or otherwise for failure or delay in delivery resulting wholly or in part from fire or strikes or from any breakdown in transport that may occur either to or from our Works or from the unavoidable total or partial stoppage of work or from war or failure in supply of raw material or from any other cause beyond our reasonable control.

Goods supplied to customers' firm order cannot be returned without prior consent from us in writing.

**DEFAULT.** The right is reserved by us to discontinue delivery or to determine the contract in respect of any undelivered goods if the purchaser defaults in payment, or for any reason passes or permits the passing of the control of his assets or any part of them to any other person or persons.

**GUARANTEE.** Ekco and Ensign lamps, fittings and control gear conform with the current British Standards, where applicable, and to the highest standards of efficiency and manufacture. Any Ekco or Ensign lamps, fittings or control gear proved defective through faulty material or workmanship will be replaced or the value credited at our option provided that they have been used under approved operating conditions and that such lamps, fittings and control gear are returned to our nearest Depot carriage paid and duly advised. We shall not be responsible or answerable for any personal injuries or consequential or resulting liability damage or loss arising from or out of any defects of our products.

**EXPORT.** No Lighting Products supplied hereunder shall be exported directly or indirectly without our prior written consent. Such consent, when given, will be subject to our Conditions for Export Sales.

**LEGAL CONSTRUCTION.** This contract shall be construed according to the law of England and if any question dispute or difference shall arise between the parties hereto in respect of the construction of this Agreement of their respective rights duties or liabilities hereunder the same shall be referred to a single arbitrator in London in case the parties can agree upon one but otherwise the same shall be referred to arbitration in London under the provision of the Arbitration Acts, 1889 to 1934, or any statutory modification or re-enactment thereof which said provisions shall also apply to the case of a reference to a single arbitrator.

**DESIGN ALTERATIONS.** The equipment and lamps supplied may vary slightly in detail from the illustrations and descriptions as the result of improvements in design or changes in technique.

# CATALOGUE NUMBER SYSTEM

The catalogue number system is a descriptive one and is a continuation of the principles laid down for previous Ekco fittings. The fittings have a five-figure catalogue number with the prefix 'F'. The first figure indicates the length of the fluorescent tube used in the fitting and the second figure the number of tubes. The last three figures are the serial number, detailing the type of fitting. Given any fitting catalogue number, it is possible to determine the catalogue numbers of similar

fittings with different lengths and numbers of tubes. The reflector and diffuser catalogue numbers have associative four figure numbers with the prefixes 'K' and 'D' respectively. The first figure denotes the length and the remaining three figures are the appropriate serial number. The digit indicating the number of tubes is not used, because reflectors are common to single and twin tube fittings and diffuser fittings are twin tube only. Examples are given below for purpose of illustration.

Cat. No.	Component	Explanation		
		Length of Fitting	No. of Tubes	Serial No.
F51102	Industrial Fitting	5	1	102
K5102	Reflector for above	5	Single and Twin same Reflector	102

# EKCO

## EKCO-ENSIGN PRODUCTS INCLUDE

TUNGSTEN FILAMENT LAMPS  
OF ALL TYPES

MERCURY AND SODIUM LAMPS

**DOUBLE-LIFE** FLUORESCENT TUBES

FLUORESCENT LIGHTING FITTINGS

CONTROL GEAR AND ACCESSORIES

TUNGSTEN LAMP INDUSTRIAL AND  
COMMERCIAL LIGHTING FITTINGS

*Detailed information and literature available on request from any of the branches below*

### EKCO-ENSIGN ELECTRIC LTD.

45 ESSEX STREET, STRAND, LONDON, W.C.2

Phone: CITY 8951 Grams: EKCOLIGHT, ESTRAND, LONDON Cables: EKCOLIGHT, LONDON

#### Sales Offices, Illuminating Engineering Departments, Showrooms and Depots:

**SOUTHERN:** (Sales Office, Illuminating Engineering Dept. and Showroom) 45 Essex Street, Strand, London, W.C.2  
Tel: City 8951

(Stores, Service Dept. and Trade Counter) Fawe Street,  
Morris Road, Poplar, London, E.14 Tel: East 2090

**NORTHERN:** Blackett St., Fairfield Street, Manchester, 12  
Tel: Ardwick 4661

**SCOTTISH:** 26 India Street, Glasgow, C.2 Tel: Central 2012

**SOUTH WALES:** 50 Bridge Street, Cardiff  
Tel: Cardiff 33803

**MIDLANDS:** 68 Caroline Street, Birmingham, 3  
Tel: Central 2997

**EAST MIDLANDS:** 27 High Pavement, Nottingham  
Tel: Nottingham 53183/4

**WORKS** at PRESTON, ENFIELD, EDMONTON TOTTENHAM, MERTHYR TYDFIL AND SPENNYMOOR