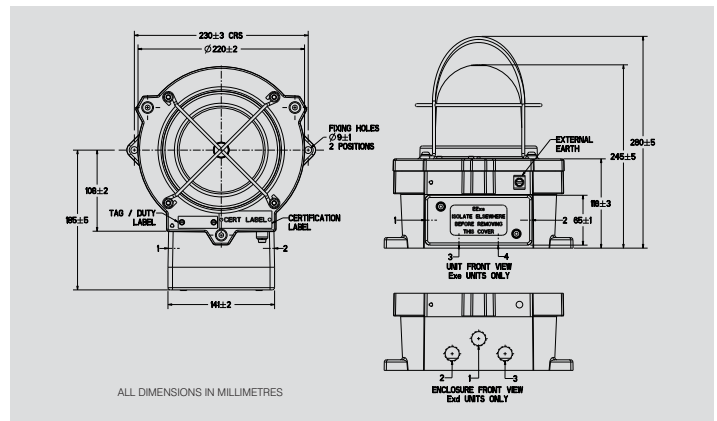


Specification

Models:	FL4 – up to 3 x 13 watt PL compact fluorescent lamps. FB4 – up to 100 watt GLS filament lamps. E27 holder as standard.
Certification:	Certified to IEC60079-0, IEC60079-1, IEC60079-7, IEC60079-31 Certified to EN60079-0, EN60079-1, EN60079-7, EN60079-31 ATEX Cert. No. Baseefa02ATEX0224X. FB4 Ex II 2 GD Ex d IIC T3/T4/T5 Gb, Ex tb IIIC T85°C/T100°C/T185°C Db, Exde IIC T5 FL4 Ex II 2 GD Ex d IIC T4/T5/T6 Gb, Ex tb IIIC T85°C/T100°C/T135°C Db, Exde IIC T5 IECEx Cert. No. IECEx BES 10.0078X FB4 Ex d IIC T3/T4/T5 Gb, Ex tb IIIC T85°C/T100°C/T185°C Db FL4 Ex d IIC T4/T5/T6 Gb, Ex tb IIIC T85°C/T100°C/T135°C Db UL listed for USA and Canada – Hazardous locations: Class I, Div 1, Groups C & D. Class I, Zone 1, AExd IIB T4/T5. Listing No. E187894. Ordinary locations: Visual-Signal Device (FL4 only). Listing No. S8128. GOST 'R' Certified: 1Exd IIC T3/T4/T5. Brazilian (Inmetro) Certified: BR-Ex d IIC T3/T4/T5/T6. BR-Ex de IIC T3/T4/T5/T6.
Material:	LM25TF Marine Grade Alloy body. Grade 316 ANC4B Stainless Steel body. Glass reinforced polyester (GRP) terminal chamber. Toughened Wellglass.
Finish:	Grey epoxy paint finish as standard or to customer's specification.
Voltage:	24V 48V 110V d.c., 110V 120V 220V 240V 254Va.c. ± 10% 50/60hz.
Lamps:	FB4 units are supplied with lamps.
Certified Temp:	FL4 – -20C to +70C* FB4 – -50C to +55C (Exde) FB4 – -55C to +55C (UL Listed) FB4 – -55C to +70C* (Exd) *Model dependent - see table for details
Weight:	FL4 (Exd) 6.5 – 7.9 Kg. FL4 (Exde) 7.5 – 8.9 Kg. FB4 (Exd) 6.4 Kg. FB4 (Exde) 7.4 Kg. The above are for alloy versions. Add 8.4 Kg for stainless steel.
Ingress Protection:	NEMA 4x & 6. IP66 and IP67.
Entries:	Up to 3 x 1/2" NPT or 2 x 3/4" NPT in UL unit. Up to 3 x M20 or 2 x M25 ISO in Exd unit. Up to 4 x M20 or 4 x M25 ISO in Exe unit.



Terminals: Exe 6 off suitable for up to 6mm² cable or 10 off suitable for up to 2.5mm² cable.
Exd 8 off suitable for up to 6mm² cable.
UL 8 off suitable for up to 10 AWG.

FL4 Lamp Details

Unit Type	Lamp Type	Lamp Ref	Holder Type
FL4	DC Osram Dulux D/E 13W	DD/E 13/XX	G24q-1
	Philips PLC 13W	PLC 13 P4	G24q-1
FL4 AC	Osram Dulux D/E 13W	DD/E 13/XX	G24q-1
	Philips PLC 13W	PLC 13	G24d-1

Osram Colour XX = (21 = Cool white) (31 = Warm white) (41 = Interna)

Temperature Ratings

Unit Type	Wattage	T Class	Min. Amb	Max. Amb
FB4	100	T3	-55°C	55°C
		T4	-55°C	70°C
	60	T5	-55°C	30°C
FL4	39	T4	-20°C	70°C
		T5	-20°C	40°C
	13 & 26	T4	-20°C	70°C
		T5	-20°C	55°C
		T6	-20°C	40°C

Ordering Requirements

The following code is designed to help in selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box.

Model	Voltage	Certification	Terminals	Entries	Lamp Wattage	Lens	Lens Guard	Options	Material	Finish																																																																								
FL4 FB4	<table border="1"> <tr><th>Voltage</th><th>Code</th></tr> <tr><td>24Vd.c.</td><td>B</td></tr> <tr><td>48Vd.c.</td><td>C</td></tr> <tr><td>110Vd.c.</td><td>D</td></tr> <tr><td>110Va.c.</td><td>E</td></tr> <tr><td>120Va.c.</td><td>F</td></tr> <tr><td>220Va.c.</td><td>G</td></tr> <tr><td>240Va.c.</td><td>H</td></tr> <tr><td>254Va.c.</td><td>J</td></tr> </table>	Voltage	Code	24Vd.c.	B	48Vd.c.	C	110Vd.c.	D	110Va.c.	E	120Va.c.	F	220Va.c.	G	240Va.c.	H	254Va.c.	J	<table border="1"> <tr><th>Type</th><th>Code</th></tr> <tr><td>6 x 6mm² (Exe)</td><td>6E*</td></tr> <tr><td>8 x 6mm² (Exd)</td><td>8D</td></tr> <tr><td>8 x 10 AWG (UL only)</td><td>8U</td></tr> </table> <p>* Not available GOST 'R' or IECEx certified.</p>	Type	Code	6 x 6mm ² (Exe)	6E*	8 x 6mm ² (Exd)	8D	8 x 10 AWG (UL only)	8U	<table border="1"> <tr><th>Wattage</th><th>Code</th></tr> <tr><td>FL4 13W (1 x 13W tube)</td><td>13</td></tr> <tr><td>26W (2 x 13W tubes)</td><td>26*</td></tr> <tr><td>39W (3 x 13W tubes)</td><td>39*</td></tr> <tr><td>FB4 60W</td><td>60</td></tr> <tr><td>100W</td><td>100</td></tr> </table> <p>* Not available d.c. or 254V a.c.</p>	Wattage	Code	FL4 13W (1 x 13W tube)	13	26W (2 x 13W tubes)	26*	39W (3 x 13W tubes)	39*	FB4 60W	60	100W	100	<table border="1"> <tr><th>Colour</th><th>Code</th></tr> <tr><td>Clear</td><td>C</td></tr> <tr><td>Red</td><td>R</td></tr> <tr><td>Blue</td><td>B</td></tr> <tr><td>Green</td><td>G</td></tr> <tr><td>Yellow</td><td>Y</td></tr> <tr><td>Amber</td><td>A</td></tr> </table>	Colour	Code	Clear	C	Red	R	Blue	B	Green	G	Yellow	Y	Amber	A	<table border="1"> <tr><th>Option</th><th>Code</th></tr> <tr><td>Duty</td><td>D*</td></tr> <tr><td>Tag</td><td>T*</td></tr> <tr><td>Relay Initiate (UL only)</td><td>R</td></tr> <tr><td>None</td><td>N</td></tr> </table> <p>* Please specify</p>	Option	Code	Duty	D*	Tag	T*	Relay Initiate (UL only)	R	None	N	<table border="1"> <tr><th>Finish</th><th>Code</th></tr> <tr><td>Grey</td><td>G</td></tr> <tr><td>Red</td><td>R</td></tr> <tr><td>Blue</td><td>B</td></tr> <tr><td>Yellow</td><td>Y</td></tr> <tr><td>White</td><td>W</td></tr> <tr><td>Special</td><td>S*</td></tr> </table> <p>* Please specify</p>	Finish	Code	Grey	G	Red	R	Blue	B	Yellow	Y	White	W	Special	S*
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All the above specifications, dimensions, weights and tolerances are nominal (typical) and Cooper MEDC reserve the right to vary all data without prior notice. No liability is accepted for any consequence of use.

