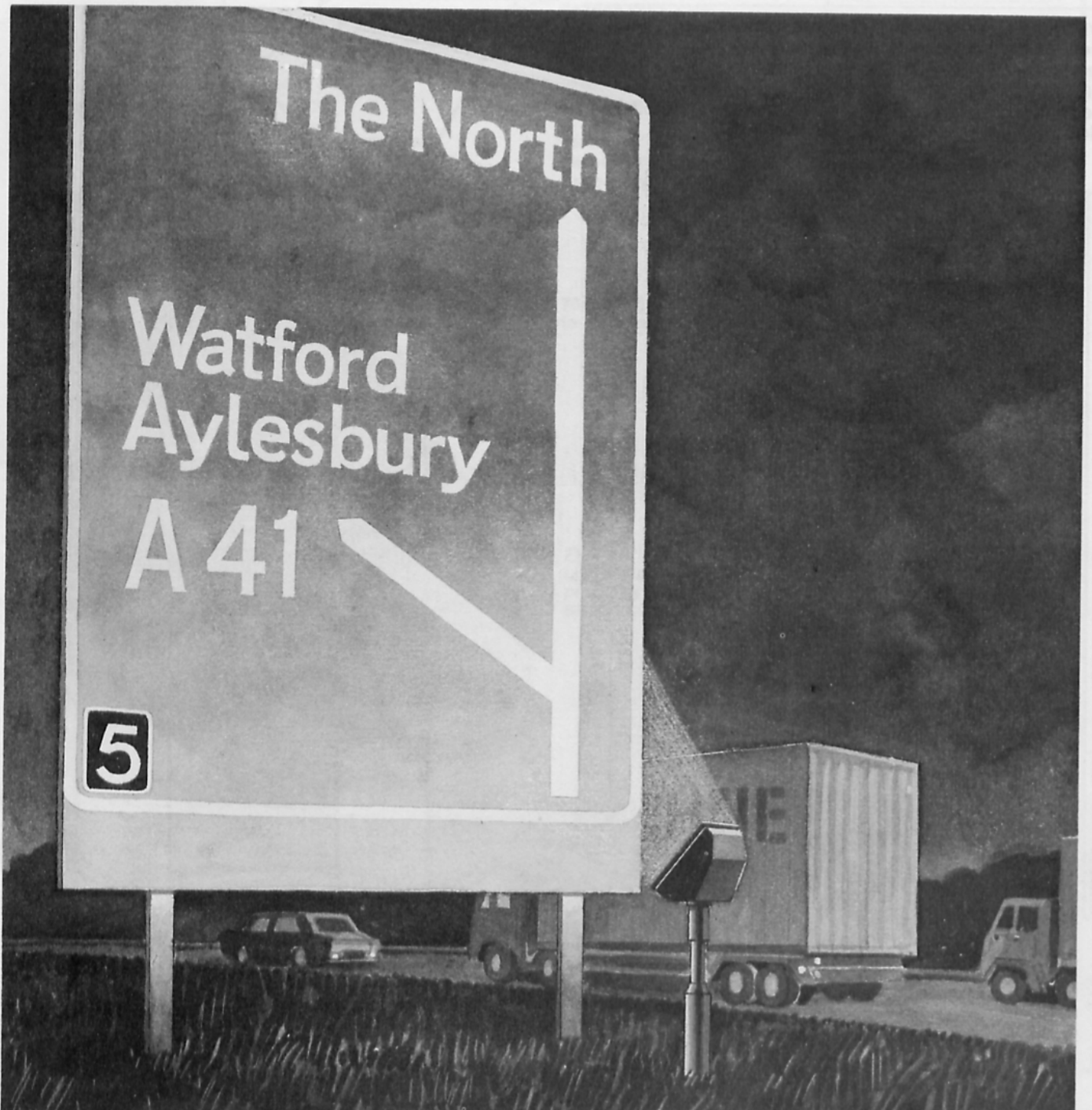


Bergoflood mercury fluorescent lights

C1/SIB
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Leaflet No. BD 9
July 1980



Bergoflood mercury fluorescent lights

A range of Bergoflood fittings is available for upward illumination of large direction signs. Two standard units are available.

The Bergoflood Twin 125,
with two 125 watt MBFU Lamps.

The Bergoflood Twin 250,
with two 250 watt MBFU Lamps.

Twin lamp units, complying with BS 873 part 1, 1970, are recommended for general use, but where a single lamp unit is specially required, the twin 125 watt light can be modified to take a single 250 or 400 watt lamp.

The complete range will illuminate signs of the following sizes:

Twin 125 watt or Single 250 watt	signs up to 4.87 x 4.87m 16' 0" x 16' 0"
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Twin 250 watt or Single 400 watt	signs up to 7.31 x 7.31m 24' 0" x 24' 0"
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Bergoflood upward lighting fittings are mounted independently of the sign assembly on large base posts. The units are fitted with internal diameter sockets, and include all control gear, etc. within the unit itself. Other sizes of socket can be supplied but are made specially to order.

Mounting details

Bergoflood fittings are mounted so that the top of the unit is level with the bottom edge of the signplate. The signplate should be fitted with a light-screen 500mm 1' 8" high to obviate any glare below the sign.

The post supporting the light should be positioned as follows:

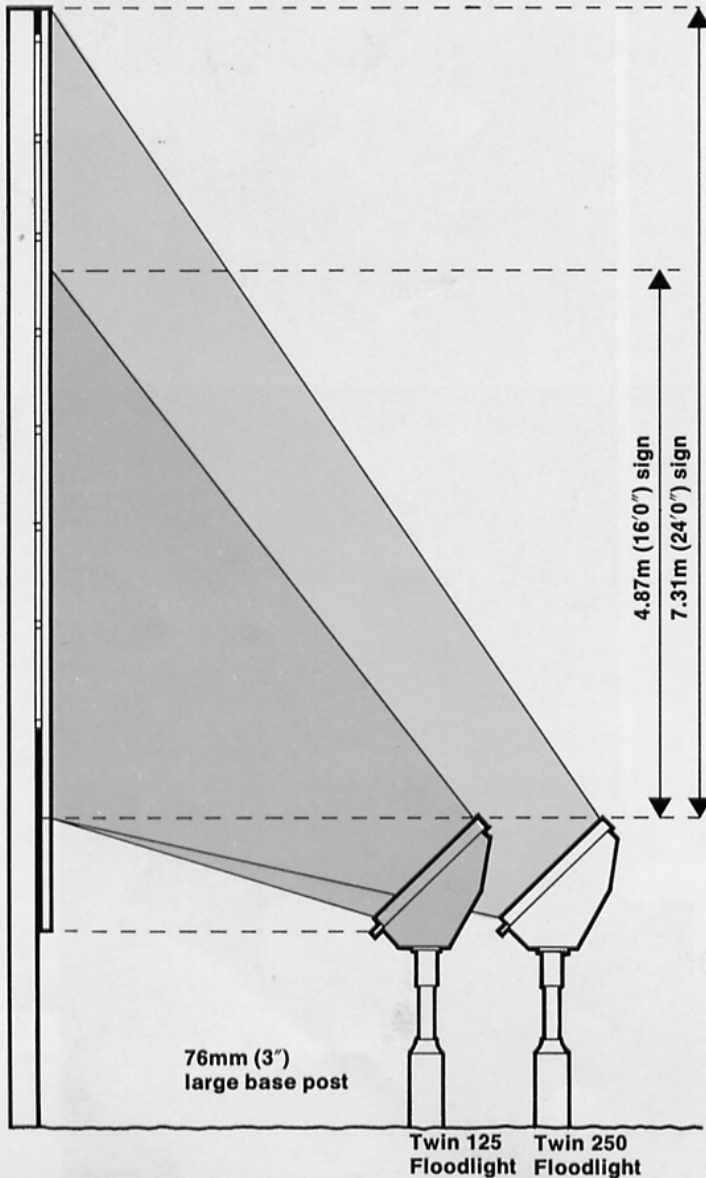
Twin 250 watt and single 400 watt units 2438mm 8' 0" in front of the centre of the sign.

Twin 125 watt and single 250 watt units 1829 mm 6' 0" in front of the centre of the sign.

Dimensions

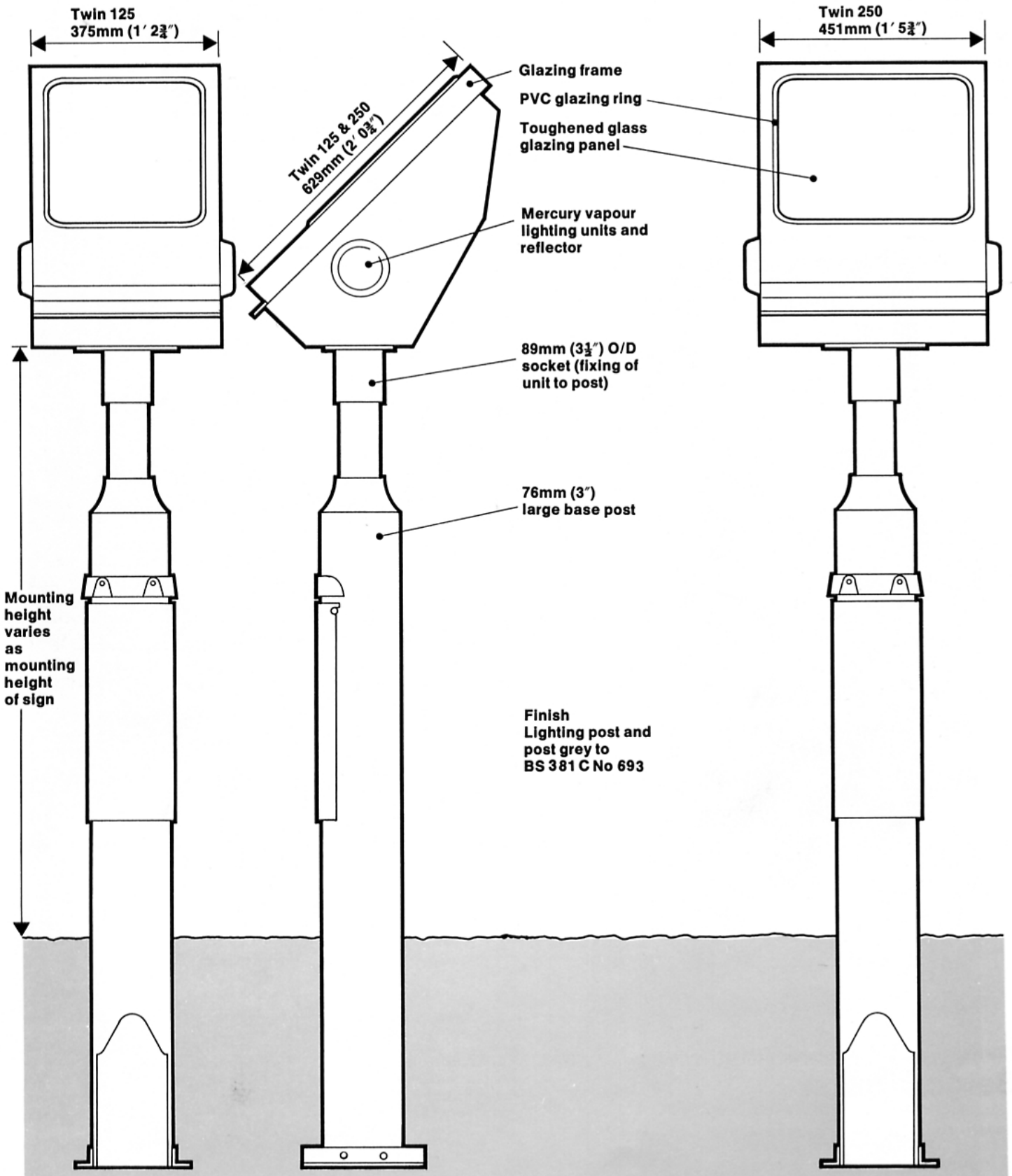
Height of body unit	555mm 22"
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Width of body	
Twin 250 watt	442mm 17 $\frac{1}{2}$ "
Twin 125 watt	374mm 14 $\frac{3}{4}$ "
single 400 or 250	374mm 14 $\frac{3}{4}$ "



Bergoflood twin 125 floodlight

Bergoflood twin 250 floodlight



Specification

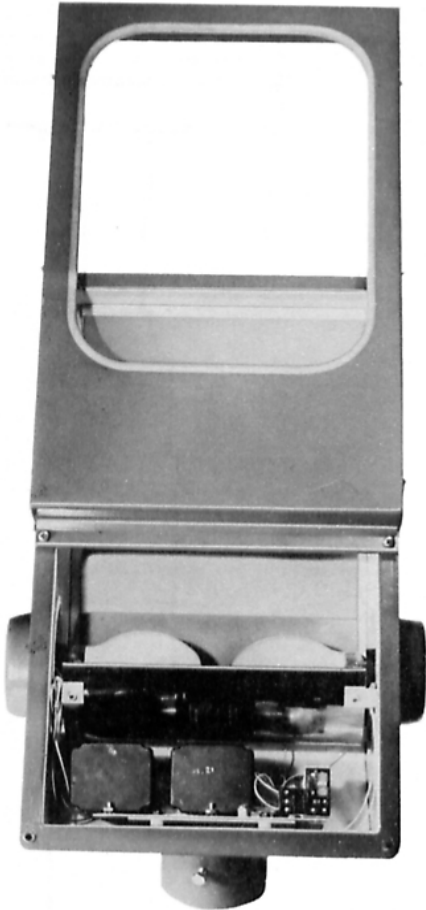
The body is made from 1.20mm steel sheet, rust proofed and stove enamelled grey on the outside and white inside.

The reflector, specially designed to give the light distribution required, is made from high purity aluminium and is anodised. Adequate ventilation is provided in a fully weatherproof arrangement, and the front frame houses a toughened glass panel secured by a hoseproof gasket.

Control gear maintenance and lamp changing is facilitated by sliding up the front frame, which can be secured in the open position, using the same two screws which close it down. All external screws are stainless steel.

Capacitors are fitted on all units, as follows:

Twin 250 watt	Two 13 m.f.d.
Twin 125 watt	Two 8 m.f.d.



Illumination chart

Figures in Foot Lamberts

Each square represents 1200mm 4ft

1) M.B.F.U. Twin 125

4	4	4	4	4
5	7	9	7	5
6	12	17	12	6
7	13	17	13	7
5	8	10	8	5
				Unit

2) M.B.F.U. Twin 250

3	4	4	4	4	4	3
4	5	6	7	6	5	4
6	8	10	11	10	8	6
9	12	14	15	14	12	9
8	12	15	16	15	12	8
9	13	16	17	16	13	9
4	6	8	9	8	6	4
						Unit

The Expanded Metal Company (Mfg) Limited
Bergo Division

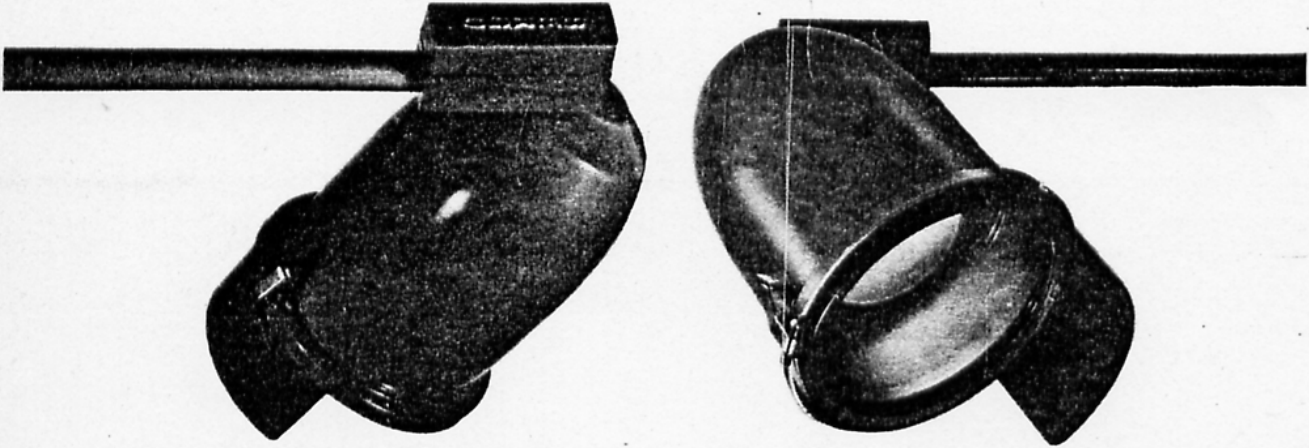
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BERGOFLOOD MERCURY FLUORESCENT LIGHTS

MBFR/125 DOWNWARD FITTING



The Bergoflood MBFR/125 Lighting Fitting is designed for overhead illumination of signs up to 10'-0" x 10'-0" (3.05m x 3.05m). It is mounted on a bracket arm extending 5'-6" (1.67m) in front of the sign face. The bracket arm, made from tubular steel, has a socket which fits over the top of the mounting post, and is available for 3", 3½", 4", 4½" and 5½" o/d posts. Equivalent metric sizes of the posts are 76, 89, 102, 114 and 140 mm.

The body is made from spun aluminium, stove enamelled grey on the outside, and anodised silver on the inside. It contains a lampholder, 3 pin bayonet type, holding a single MBFR/U Reflectorised 125 watt Mercury lamp. The glazing frame is hinged and secured with toggle catches for easy access and maintenance, and incorporates a light baffle for even distribution of light. A toughened glass panel is fixed by waterproof compound.

The body is connected to a cast aluminium junction box, and is adjustable horizontally, so that the bracket arm may be angled from the supporting post towards the centre of the sign. The bracket arm is fixed to the junction box by a hardened grub screw.

The control gear, comprising Ballast and 8 mfd Capacitor is not an integral part of the unit, but is housed separately in the base compartment of the large base post, or in a switchbox or control pillar. Details of these switchgear housings are given in a special leaflet.

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