

**Ecoglo International Ltd**

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15 August 2012

# Ecoglo F8/AS1 Signs

Independent luminance tests were carried out on representative samples of Ecoglo F8/AS1 signs by Nemoto Ltd, Japan to validate in-house testing. The attached test report confirms that after 30 minutes of dark time the luminance of the samples was greater than 30mcd/m<sup>2</sup>. F8/AS1 specifies a minimum of 30mcd/m<sup>2</sup> after 30 minutes of dark time for Risk Group C buildings.

## CHARGING LAMPS

- 4000K (Cool White) Fluorescent tube.
- 6500K (Daylight) Fluorescent tube.
- 4000K LED lamp.
- 4000K Metal Halide lamp.

## CHARGING ILLUMINANCE

100 lux for 5 minutes

## RESULT

After 30 minutes of dark time the luminance of the samples was greater than 30mcd/m<sup>2</sup>.

## CONCLUSION

Ecoglo F8/AS1 signs (as listed below) provide a minimum luminance of 30mcd/m<sup>2</sup> for at least 30 minutes when charged for 5 minutes at 100 lux with a light having a colour temperature of 4000K or more.

## Emergency Signs to Meet F8/AS1 - 16 Metre Visibility

### FACE MOUNTED SIGNS

PRODUCT CODE	PRODUCT NAME	SIGN DEFINITION	SIGN SIZE	MAXIMUM VIEWING DISTANCE
RM1616-16m	Pictogram	Exit straight on from here	160mm x 160mm	16 metres
RMR2916-16m	Pictogram Right	Exit to right from here	290mm x 160mm	16 metres
RML2916-16m	Pictogram Left	Exit to left from here	290mm x 160mm	16 metres
EX2313-16m	Exit	Exit straight on from here	230mm x 133mm	16 metres
EE6128-16m	Emergency Exit	Use this door only to exit in an emergency	610mm x 280mm	16 metres
NE4113-16m	No Exit	Do not use this door to exit in an emergency	410mm x 133mm	16 metres
AR1616-16m	Arrow	Not specified in F8/AS1	160mm x 160mm	16 metres

## Emergency Signs to Meet F8/AS1 - 24 Metre Visibility

### FACE MOUNTED SIGNS

PRODUCT CODE	PRODUCT NAME	SIGN DEFINITION	SIGN SIZE	MAXIMUM VIEWING DISTANCE
RM2222-24m	Pictogram	Exit straight on from here	225mm x 225mm	24 metres
RMR4222-24m	Pictogram Right	Exit to right from here	420mm x 225mm	24 metres
RML4222-24m	Pictogram Left	Exit to left from here	420mm x 225mm	24 metres
EX2816-24m	Exit	Exit straight on from here	285mm x 162mm	24 metres
EE7835-24m	Emergency Exit	Use this door only to exit in an emergency	785mm x 350mm	24 metres
AR2222-24m	Arrow	Not specified in F8/AS1	225mm x 225mm	24 metres



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Technical Manager

Ecoglo International Limited



July 11, 2012

# TEST REPORT

CLIENT : Ecoglo Ltd.

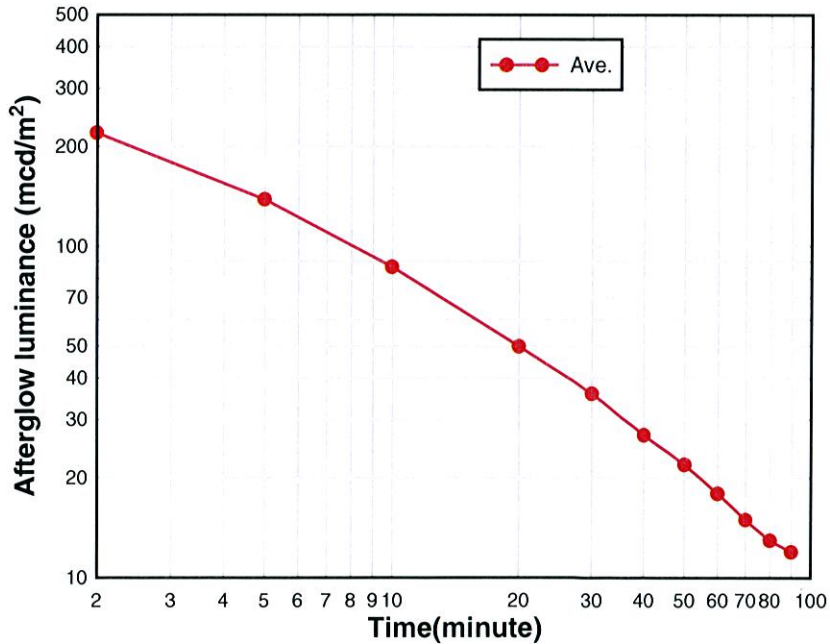
Sample:Ecoglo S20 sign material (LotNo.200809)

WFL lamp : WFL4200K FL15W.(Toshiba)

Excitation: WFL4200K 100lx, 5min.

Time (minute)	Afterglow luminance (mcd/m <sup>2</sup> )			
	Lot.200809-A	Lot.200809-B	Lot.200809-C	Ave.
2	206	209	212	209
5	131	131	134	132
10	82	83	87	84
20	48	48	51	49
30	34	34	36	35
40	26	26	27	27
50	21	21	22	22
60	18	18	18	18
70	15	15	16	15
80	13	13	14	13
90	11	11	12	12

**Fig. Afterglow Luminance of Ecoglo S20 sign material**  
Excitation:WFL FL15W(4200K) 100lx, 5min.



Measured by : K. KANESAKA

Approved by : K. KANESAKA