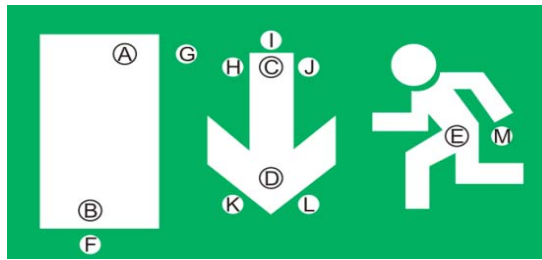


## Measurement of Luminance on exit signs.

Accordingly to european standard EN 1838.

The measurement have taken place in a dark room with a luminance meter corrected for photopic vision  $V(\lambda)$ , measuring angle  $2^\circ$ .



TUC1-ST5-PN enkelsidig (singlesided) inbyggd batteribackup (maintained)			Green areas	Norm mode	Batt mode
			F	10,3	8,7
			G	39	32,4
White areas	Norm mode	Batt mode	H	22,9	19,2
A	139,9	122	I	20,7	17,4
B	50,4	43,3	J	18,5	15,7
C	79,2	74,1	K	8,5	7,3
D	54,1	49	L	8,9	7,6
E	101,1	86,4	M	15	12,2
<b>Min</b>	<b>50,4</b>	<b>43,3</b>	<b>Min</b>	<b>8,5</b>	<b>7,3</b>
<b>Max</b>	<b>139,9</b>	<b>122</b>	<b>Max</b>	<b>39</b>	<b>32,4</b>
<b>Average</b>	<b>84,94</b>	<b>74,96</b>	<b>Average</b>	<b>17,98</b>	<b>15,06</b>

TUC3-PN enkelsidig (singlesided) central batteribackup (centralized)*			Green areas	Norm mode	Batt mode
			F	10,3	10,3
			G	39	39
White areas	Norm mode	Batt mode	H	22,9	22,9
A	139,9	139,9	I	20,7	20,7
B	50,4	50,4	J	18,5	18,5
C	79,2	79,2	K	8,5	8,5
D	54,1	54,1	L	8,9	8,9
E	101,1	101,1	M	15	15
<b>Min</b>	<b>50,4</b>	<b>50,4</b>	<b>Min</b>	<b>8,5</b>	<b>8,5</b>
<b>Max</b>	<b>139,9</b>	<b>139,9</b>	<b>Max</b>	<b>39</b>	<b>39</b>
<b>Average</b>	<b>84,94</b>	<b>84,94</b>	<b>Average</b>	<b>17,98</b>	<b>17,98</b>

TUC1-ST5-PNN dubbelsidig sida A (doublesided side A) inbyggd batteribackup (maintained)			Green areas	Norm mode	Batt mode
			F	9,8	8,9
			G	35,1	35
White areas	Norm mode	Batt mode	H	16,8	16,6
A	192,1	187,8	I	15	14,8
B	42,2	41,1	J	13	12,6
C	61	59,6	K	7,5	7,1
D	47,2	45,6	L	7,4	7
E	73,2	72,1	M	11,2	10,3
<b>Min</b>	<b>42,2</b>	<b>41,1</b>	<b>Min</b>	<b>7,4</b>	<b>7</b>
<b>Max</b>	<b>192,1</b>	<b>187,8</b>	<b>Max</b>	<b>35,1</b>	<b>35</b>
<b>Average</b>	<b>83,14</b>	<b>81,24</b>	<b>Average</b>	<b>14,48</b>	<b>14,04</b>

TUC1-ST5-PNN dubbelsidig sida B (doublesided side B) inbyggd batteribackup (maintained)			Green areas	Norm mode	Batt mode
			F	9,8	8,9
			G	35,1	35
White areas	Norm mode	Batt mode	H	16,8	16,6
A	192,1	187,8	I	15	14,8
B	42,2	41,1	J	13	12,6
C	61	59,6	K	7,5	7,1
D	47,2	45,6	L	7,4	7
E	73,2	72,1	M	11,2	10,3
<b>Min</b>	<b>42,2</b>	<b>41,1</b>	<b>Min</b>	<b>7,4</b>	<b>7</b>
<b>Max</b>	<b>192,1</b>	<b>187,8</b>	<b>Max</b>	<b>35,1</b>	<b>35</b>
<b>Average</b>	<b>83,14</b>	<b>81,24</b>	<b>Average</b>	<b>14,48</b>	<b>14,04</b>

TUC3-PNN dubbelsidig sida A (doublesided side A) central batteribackup (centralized)*			Green areas	Norm mode	Batt mode
			F	9,8	9,8
			G	35,1	35,1
White areas	Norm mode	Batt mode	H	16,8	16,8
A	192,1	192,1	I	15	15
B	42,2	42,2	J	13	13
C	61	61	K	7,5	7,5
D	47,2	47,2	L	7,4	7,4
E	73,2	73,2	M	11,2	11,2
<b>Min</b>	<b>42,2</b>	<b>42,2</b>	<b>Min</b>	<b>7,4</b>	<b>7,4</b>
<b>Max</b>	<b>192,1</b>	<b>192,1</b>	<b>Max</b>	<b>35,1</b>	<b>35,1</b>
<b>Average</b>	<b>83,14</b>	<b>83,14</b>	<b>Average</b>	<b>14,48</b>	<b>14,48</b>

TUC3-PNN dubbelsidig sida B (doublesided side B) central batteribackup (centralized)*			Green areas	Norm mode	Batt mode
			F	9,8	9,8
			G	35,1	35,1
White areas	Norm mode	Batt mode	H	16,8	16,8
A	192,1	192,1	I	15	15
B	42,2	42,2	J	13	13
C	61	61	K	7,5	7,5
D	47,2	47,2	L	7,4	7,4
E	73,2	73,2	M	11,2	11,2
<b>Min</b>	<b>42,2</b>	<b>42,2</b>	<b>Min</b>	<b>7,4</b>	<b>7,4</b>
<b>Max</b>	<b>192,1</b>	<b>192,1</b>	<b>Max</b>	<b>35,1</b>	<b>35,1</b>
<b>Average</b>	<b>83,14</b>	<b>83,14</b>	<b>Average</b>	<b>14,48</b>	<b>14,48</b>

Notes: \* "batt mode" vid centralt batterisystem uppmätt med 230Vac nätspänning. ("Batt mode" when centralized system measured with 230Vac net)

Linköping 2009-12-23

.....  
Fredrik Nilsson/Product Manager