Photometric test report

Family
Escape route lighting



Order number: 5SC13ACA8
EAN: 4069025400796

LP number
59810_1

serial documentation
08.07.2025

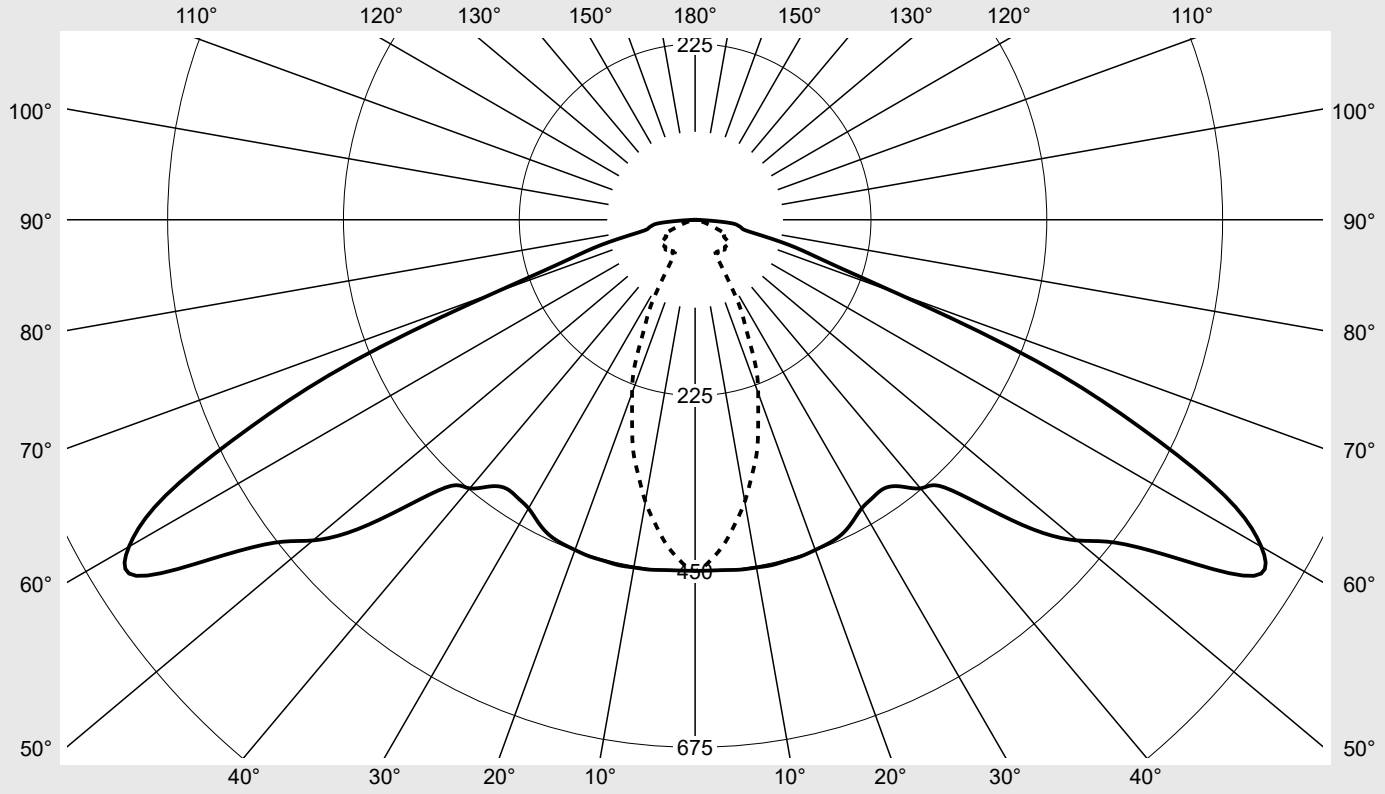
Version	Escape route light, for wall and ceiling surface-mounting, lens, corridor lighting, symmetric distribution
Lamps	LED 6000 K | CRI ≥ 80
Controlgear	ECG
Rated values	Net luminous flux = 310 lm Power consumption = 3.0 W Luminous efficacy = 103.3 lm/W

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Luminous intensity in cd/klm

C180-0 C270-90

Imax: 848 cd/klm



Classifications

DIN 5040	A 3 0
CIE	N1=41 N2=73 N3=96 N4=100 N5=100

Luminaire light output ratios

ηLB	100.0%
ϕ_u	99.9%
ϕ_o	0.1%

Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities

Maximum luminous intensity

C-planes	0° 180°	45° 135° 225° 315°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm			Luminous flux in lm/klm	
0,0°	449.2	449.2	449.2	0.7	0.7
2,5°	449.3	447.9	436.8	5.3	6.0
5,0°	449.9	434.1	417.6	10.4	16.4
7,5°	451.5	417.6	392.2	15.0	31.4
10,0°	451.8	399.6	366.2	19.2	50.6
12,5°	452.7	380.7	335.2	23.0	73.6
15,0°	451.7	360.9	306.1	26.2	99.9
17,5°	451.4	337.4	268.3	28.7	128.6
20,0°	449.6	317.1	235.9	30.9	159.5
22,5°	447.8	292.5	202.2	32.4	191.9
25,0°	444.1	264.6	154.2	32.7	224.6
27,5°	435.8	243.5	119.7	33.0	257.6
30,0°	426.4	213.6	61.0	31.3	288.9
32,5°	422.1	187.7	50.5	31.2	320.1
35,0°	420.2	151.0	50.9	30.4	350.5
37,5°	430.0	131.0	46.0	30.8	381.3
40,0°	448.7	81.0	48.9	29.1	410.4
42,5°	461.7	50.3	51.9	28.4	438.8
45,0°	514.2	51.3	53.7	32.5	471.3
47,5°	586.3	53.8	51.6	37.7	509.0
50,0°	638.4	44.9	52.2	41.0	549.9
52,5°	678.8	47.8	52.7	45.0	594.9
55,0°	757.4	49.8	54.3	51.2	646.1
57,5°	848.0	53.2	47.9	57.9	704.0
60,0°	836.5	55.0	42.6	58.7	762.7
62,5°	763.5	49.9	45.5	55.3	818.0
65,0°	627.8	44.0	41.6	47.1	865.0
67,5°	472.9	40.4	30.1	37.0	902.0
70,0°	273.7	42.1	19.7	24.3	926.3
72,5°	172.1	47.5	14.2	18.4	944.7
75,0°	124.5	52.2	8.2	15.7	960.4
77,5°	72.9	52.3	4.8	12.2	972.6
80,0°	60.4	46.3	3.3	10.6	983.1
82,5°	55.1	29.8	3.4	8.0	991.1
85,0°	42.5	17.4	5.1	5.6	996.8
87,5°	7.6	8.2	5.3	2.0	998.8
90,0°	1.6	1.3	2.9	0.5	999.3
92,5°	2.7	2.8	2.4	0.7	1000.0
95,0°	0.0	0.0	0.0	0.0	1000.0
97,5°	0.0	0.0	0.0	0.0	1000.0
100,0°	0.0	0.0	0.0	0.0	1000.0
102,5°	0.0	0.0	0.0	0.0	1000.0
105,0°	0.0	0.0	0.0	0.0	1000.0
107,5°	0.0	0.0	0.0	0.0	1000.0
110,0°	0.0	0.0	0.0	0.0	1000.0

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γ	Luminous intensity in cd/klm			Luminous flux in lm/klm	
112,5°	0.0	0.0	0.0	**0.0**	**1000.0**
115,0°	0.0	0.0	0.0	**0.0**	**1000.0**
117,5°	0.0	0.0	0.0	**0.0**	**1000.0**
120,0°	0.0	0.0	0.0	**0.0**	**1000.0**
122,5°	0.0	0.0	0.0	**0.0**	**1000.0**
125,0°	0.0	0.0	0.0	**0.0**	**1000.0**
127,5°	0.0	0.0	0.0	**0.0**	**1000.0**
130,0°	0.0	0.0	0.0	**0.0**	**1000.0**
132,5°	0.0	0.0	0.0	**0.0**	**1000.0**
135,0°	0.0	0.0	0.0	**0.0**	**1000.0**
137,5°	0.0	0.0	0.0	**0.0**	**1000.0**
140,0°	0.0	0.0	0.0	**0.0**	**1000.0**
142,5°	0.0	0.0	0.0	**0.0**	**1000.0**
145,0°	0.0	0.0	0.0	**0.0**	**1000.0**
147,5°	0.0	0.0	0.0	**0.0**	**1000.0**
150,0°	0.0	0.0	0.0	**0.0**	**1000.0**
152,5°	0.0	0.0	0.0	**0.0**	**1000.0**
155,0°	0.0	0.0	0.0	**0.0**	**1000.0**
157,5°	0.0	0.0	0.0	**0.0**	**1000.0**
160,0°	0.0	0.0	0.0	**0.0**	**1000.0**
162,5°	0.0	0.0	0.0	**0.0**	**1000.0**
165,0°	0.0	0.0	0.0	**0.0**	**1000.0**
167,5°	0.0	0.0	0.0	**0.0**	**1000.0**
170,0°	0.0	0.0	0.0	**0.0**	**1000.0**
172,5°	0.0	0.0	0.0	**0.0**	**1000.0**
175,0°	0.0	0.0	0.0	**0.0**	**1000.0**
177,5°	0.0	0.0	0.0	**0.0**	**1000.0**
180,0°	0.0	0.0	0.0	**0.0**	**1000.0**

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UGR-Table

Standard room

Reflection factor of ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Reflection factor of walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reflection factor of floor		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions			View crosswise (C0)					View endwise (C90)			
x	y										
2H	2H	42.4	44.2	42.8	44.5	44.8	24.1	25.9	24.5	26.2	26.5
	3H	44.1	45.6	44.5	45.9	46.3	25.7	27.3	26.1	27.7	28.0
	4H	44.3	45.6	44.6	46.0	46.3	25.8	27.4	26.2	27.8	28.1
	6H	44.3	45.5	44.7	45.9	46.3	25.8	27.3	26.2	27.7	28.1
	8H	44.5	45.5	44.9	45.9	46.3	25.8	27.3	26.2	27.6	28.0
	12H	44.5	45.4	44.9	45.8	46.2	25.8	27.2	26.2	27.6	28.0
4H	2H	42.2	43.8	42.6	44.1	44.5	29.2	30.6	29.6	30.9	31.3
	3H	43.8	45.1	44.3	45.5	45.9	29.7	30.9	30.1	31.2	31.7
	4H	44.1	45.2	44.5	45.6	46.0	29.8	31.0	30.3	31.4	31.8
	6H	44.2	45.1	44.6	45.5	46.0	29.8	30.9	30.3	31.3	31.8
	8H	44.3	45.1	44.7	45.5	46.0	29.8	30.8	30.3	31.2	31.7
	12H	44.4	45.0	44.8	45.5	46.0	29.8	30.7	30.3	31.2	31.7
8H	4H	43.9	44.9	44.4	45.3	45.8	31.5	32.3	31.9	32.7	33.2
	6H	44.1	44.8	44.6	45.3	45.8	31.8	32.5	32.3	33.0	33.5
	8H	44.1	44.8	44.6	45.3	45.8	31.8	32.5	32.3	33.0	33.5
	12H	44.3	44.8	44.8	45.3	45.8	31.8	32.4	32.3	32.9	33.4
12H	4H	43.9	44.8	44.4	45.3	45.7	31.7	32.4	32.2	32.9	33.4
	6H	44.0	44.7	44.5	45.2	45.7	32.2	32.7	32.7	33.2	33.8
	8H	44.1	44.7	44.6	45.2	45.7	32.2	32.8	32.8	33.3	33.8

Luminance table

Max. for $\gamma >= 65°$

Photometric dimensions in mm: L = 10 B = 10 H(C0) = 5 H(C90) = 5 H(C180) = 5 H(C270) = 5

C-planes	0° 180°	45° 135° 225° 315°	90° 270°
γ	Luminance in cd/m²		
45,0°	1502897.4	131667.7	156885.1
50,0°	1929198.1	117583.9	157630.7
55,0°	2388080.3	133809.3	171252.4
60,0°	2779442.8	153407.0	141607.9
65,0°	2222311.9	128340.4	147376.8
70,0°	1044944.4	129635.5	75248.5
75,0°	520330.4	171942.5	34252.1
80,0°	281207.6	165127.9	15214.9
85,0°	225338.7	68236.9	26966.3

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Luminance values in cd/m²

γ 65° γ 70° γ 75° γ 80° γ 85°

