Photometric test report

Family
Escape route lighting



Order number: 5SL13SCG1
EAN: 4069025401014

Version	Escape route light, for wall and ceiling surface-mounting, lens, symmetric distribution
Lamps	LED 6000 K | CRI ≥ 80
Controlgear	ECG
Rated values	Net luminous flux = 600 lm Power consumption = 6.0 W Luminous efficacy = 100 lm/W

LP number
59816_4

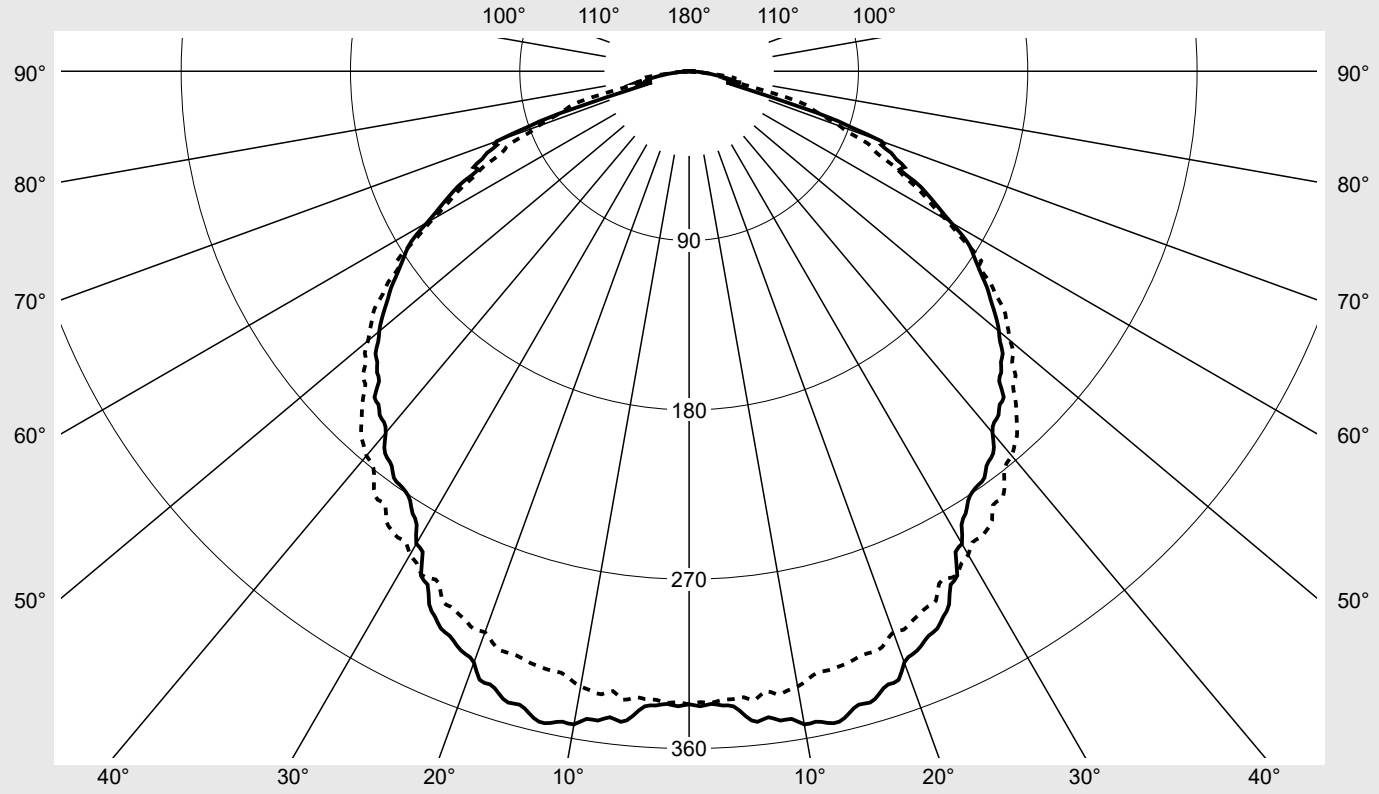
serial documentation
08.07.2025

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Luminous intensity in cd/klm

C180-0 C270-90

Imax: 355 cd/klm



Classifications

DIN 5040	A 4 0
CIE	N1=48 N2=81 N3=98 N4=100 N5=100

Luminaire light output ratios

ηLB	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

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°	336.5	336.5	336.5	0.1	0.1
1°	337.6	336.5	335.4	0.6	0.7
2°	336.5	335.4	335.9	1.3	2.0
3°	337.6	340.3	334.6	1.9	4.0
4°	338.4	338.0	334.6	2.6	6.5
5°	344.0	340.3	334.0	3.2	9.8
6°	347.7	344.4	335.9	3.9	13.7
7°	345.9	348.1	332.0	4.6	18.3
8°	348.5	350.9	334.4	5.3	23.6
9°	348.5	349.4	333.3	5.9	29.5
10°	352.5	354.6	332.1	6.6	36.1
11°	352.2	346.6	329.5	7.2	43.3
12°	354.1	353.0	326.9	7.9	51.2
13°	354.8	348.1	326.9	8.5	59.7
14°	351.7	350.9	326.3	9.2	68.9
15°	348.5	348.1	325.7	9.7	78.6
16°	349.1	350.9	324.3	10.4	89.0
17°	345.9	350.9	323.6	11.0	100.0
18°	342.6	350.9	323.7	11.6	111.6
19°	342.1	350.9	321.1	12.2	123.8
20°	334.4	346.6	317.3	12.6	136.4
21°	331.8	346.6	318.0	13.2	149.6
22°	329.4	340.3	315.5	13.6	163.2
23°	325.9	338.0	313.5	14.1	177.3
24°	324.3	333.9	311.6	14.5	191.8
25°	319.8	333.9	310.5	15.0	206.9
26°	315.3	327.4	303.1	15.3	222.2
27°	306.2	323.6	302.5	15.6	237.8
28°	303.6	318.4	303.1	16.0	253.8
29°	292.1	316.1	298.8	16.3	270.0
30°	290.1	316.1	296.8	16.7	286.8
31°	281.2	302.9	292.2	16.7	303.4
32°	277.3	302.9	292.2	17.1	320.5
33°	272.3	300.6	290.6	17.4	337.9
34°	269.5	301.7	288.0	17.8	355.7
35°	268.3	291.6	281.6	17.8	373.5
36°	267.0	289.0	281.6	18.2	391.6
37°	262.7	285.1	278.4	18.3	410.0
38°	260.7	276.1	272.0	18.3	428.3
39°	257.5	269.6	268.1	18.4	446.6
40°	250.9	263.2	266.8	18.4	465.0
41°	247.2	252.7	263.6	18.3	483.3
42°	245.8	247.7	260.5	18.4	501.7
43°	242.1	245.1	255.4	18.5	520.2
44°	240.8	242.4	250.3	18.6	538.8

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γ	Luminous intensity in cd/klm			Luminous flux in lm/klm	
45°	233.1	238.7	245.0	18.5	557.3
46°	230.6	236.0	239.2	18.6	575.8
47°	226.6	226.9	237.3	18.4	594.3
48°	224.3	224.3	231.0	18.4	612.7
49°	219.0	222.0	228.4	18.4	631.1
50°	215.0	215.7	222.8	18.3	649.4
51°	210.5	214.2	218.3	18.3	667.6
52°	205.4	208.8	213.8	18.1	685.7
53°	200.4	203.9	209.3	17.9	703.6
54°	195.8	193.8	201.0	17.4	721.0
55°	190.2	191.0	195.1	17.2	738.2
56°	185.2	186.9	185.7	16.9	755.2
57°	180.5	183.1	185.2	16.8	772.0
58°	176.1	171.9	175.3	16.2	788.2
59°	169.5	165.0	165.8	15.6	803.8
60°	160.8	160.1	157.5	15.2	818.9
61°	153.4	154.9	148.6	14.7	833.6
62°	146.9	142.0	142.2	13.9	847.5
63°	140.6	138.2	135.0	13.5	861.0
64°	133.1	135.6	126.8	13.1	874.1
65°	123.5	123.8	121.2	12.2	886.3
66°	125.4	122.7	112.0	12.1	898.4
67°	119.6	116.3	106.4	11.6	910.0
68°	115.9	111.1	102.4	11.2	921.2
69°	109.4	99.3	91.1	10.2	931.4
70°	109.0	97.1	85.5	10.0	941.4
71°	90.0	90.7	78.9	9.1	950.5
72°	71.5	89.2	72.4	8.4	958.9
73°	25.2	82.7	68.1	6.8	965.6
74°	24.8	86.4	64.2	6.9	972.5
75°	25.3	78.9	53.4	6.3	978.8
76°	24.7	53.3	33.6	4.4	983.2
77°	21.4	19.6	24.5	2.3	985.5
78°	22.2	27.3	28.5	2.8	988.3
79°	22.2	23.4	24.5	2.5	990.8
80°	19.0	19.6	24.0	2.2	993.0
81°	16.3	14.4	24.5	1.9	994.9
82°	13.1	10.5	23.3	1.6	996.5
83°	11.2	10.5	16.3	1.3	997.8
84°	7.4	5.3	10.0	0.8	998.5
85°	6.7	4.1	5.5	0.6	999.1
86°	5.2	1.5	3.0	0.3	999.4
87°	1.6	1.5	1.6	0.2	999.6
88°	3.4	1.5	2.2	0.2	999.8
89°	1.5	0.4	1.0	0.1	999.9

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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	
90°	1.5	0.4	1.0	0.1	1000.0
91°	0.0	0.0	0.0	0.0	1000.0
92°	0.0	0.0	0.0	0.0	1000.0
93°	0.0	0.0	0.0	0.0	1000.0
94°	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	1000.0
96°	0.0	0.0	0.0	0.0	1000.0
97°	0.0	0.0	0.0	0.0	1000.0
98°	0.0	0.0	0.0	0.0	1000.0
99°	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	1000.0
101°	0.0	0.0	0.0	0.0	1000.0
102°	0.0	0.0	0.0	0.0	1000.0
103°	0.0	0.0	0.0	0.0	1000.0
104°	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	1000.0
106°	0.0	0.0	0.0	0.0	1000.0
107°	0.0	0.0	0.0	0.0	1000.0
108°	0.0	0.0	0.0	0.0	1000.0
109°	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	1000.0
111°	0.0	0.0	0.0	0.0	1000.0
112°	0.0	0.0	0.0	0.0	1000.0
113°	0.0	0.0	0.0	0.0	1000.0
114°	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	1000.0
116°	0.0	0.0	0.0	0.0	1000.0
117°	0.0	0.0	0.0	0.0	1000.0
118°	0.0	0.0	0.0	0.0	1000.0
119°	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	1000.0
121°	0.0	0.0	0.0	0.0	1000.0
122°	0.0	0.0	0.0	0.0	1000.0
123°	0.0	0.0	0.0	0.0	1000.0
124°	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	1000.0
126°	0.0	0.0	0.0	0.0	1000.0
127°	0.0	0.0	0.0	0.0	1000.0
128°	0.0	0.0	0.0	0.0	1000.0
129°	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	1000.0
131°	0.0	0.0	0.0	0.0	1000.0
132°	0.0	0.0	0.0	0.0	1000.0
133°	0.0	0.0	0.0	0.0	1000.0
134°	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	
135°	0.0	0.0	0.0	0.0	1000.0
136°	0.0	0.0	0.0	0.0	1000.0
137°	0.0	0.0	0.0	0.0	1000.0
138°	0.0	0.0	0.0	0.0	1000.0
139°	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	1000.0
141°	0.0	0.0	0.0	0.0	1000.0
142°	0.0	0.0	0.0	0.0	1000.0
143°	0.0	0.0	0.0	0.0	1000.0
144°	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	1000.0
146°	0.0	0.0	0.0	0.0	1000.0
147°	0.0	0.0	0.0	0.0	1000.0
148°	0.0	0.0	0.0	0.0	1000.0
149°	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	1000.0
151°	0.0	0.0	0.0	0.0	1000.0
152°	0.0	0.0	0.0	0.0	1000.0
153°	0.0	0.0	0.0	0.0	1000.0
154°	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	1000.0
156°	0.0	0.0	0.0	0.0	1000.0
157°	0.0	0.0	0.0	0.0	1000.0
158°	0.0	0.0	0.0	0.0	1000.0
159°	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	1000.0
161°	0.0	0.0	0.0	0.0	1000.0
162°	0.0	0.0	0.0	0.0	1000.0
163°	0.0	0.0	0.0	0.0	1000.0
164°	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	1000.0
166°	0.0	0.0	0.0	0.0	1000.0
167°	0.0	0.0	0.0	0.0	1000.0
168°	0.0	0.0	0.0	0.0	1000.0
169°	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	1000.0
171°	0.0	0.0	0.0	0.0	1000.0
172°	0.0	0.0	0.0	0.0	1000.0
173°	0.0	0.0	0.0	0.0	1000.0
174°	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	1000.0
176°	0.0	0.0	0.0	0.0	1000.0
177°	0.0	0.0	0.0	0.0	1000.0
178°	0.0	0.0	0.0	0.0	1000.0
179°	0.0	0.0	0.0	0.0	1000.0
180°	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	17.5	19.1	17.8	19.4	19.8	17.5	19.1	17.8	19.5	19.8
	3H	19.1	20.6	19.5	20.9	21.3	18.8	20.3	19.2	20.7	21.0
	4H	19.2	20.6	19.6	21.0	21.3	19.3	20.7	19.7	21.0	21.4
	6H	19.3	20.6	19.7	21.0	21.3	19.4	20.7	19.8	21.1	21.5
	8H	19.3	20.6	19.8	20.9	21.3	19.5	20.7	19.9	21.1	21.5
	12H	19.3	20.5	19.8	20.9	21.3	19.5	20.7	20.0	21.1	21.5
4H	2H	18.2	19.6	18.6	20.0	20.3	18.2	19.6	18.6	20.0	20.4
	3H	20.0	21.2	20.4	21.6	22.0	19.8	21.0	20.2	21.4	21.8
	4H	20.2	21.3	20.7	21.7	22.1	20.4	21.5	20.8	21.9	22.3
	6H	20.3	21.3	20.8	21.7	22.2	20.5	21.5	21.0	21.9	22.4
	8H	20.4	21.2	20.9	21.7	22.1	20.7	21.5	21.1	22.0	22.4
	12H	20.4	21.2	20.9	21.6	22.1	20.7	21.5	21.2	21.9	22.4
8H	4H	20.5	21.4	21.0	21.8	22.3	20.6	21.5	21.1	21.9	22.4
	6H	20.7	21.4	21.1	21.8	22.3	20.8	21.5	21.3	22.0	22.5
	8H	20.7	21.3	21.2	21.8	22.3	21.0	21.6	21.5	22.1	22.6
	12H	20.7	21.3	21.2	21.8	22.3	21.0	21.6	21.6	22.1	22.6
12H	4H	20.5	21.3	21.0	21.7	22.2	20.7	21.4	21.1	21.9	22.4
	6H	20.7	21.3	21.2	21.8	22.3	20.9	21.5	21.4	21.9	22.5
	8H	20.7	21.2	21.2	21.7	22.3	21.0	21.5	21.5	22.0	22.6

Luminance table

Max. for $\gamma >= 65°$

Photometric dimensions in mm: L = 317, B = 150

C-planes	0° 180°	45° 135° 225° 315°	90° 270°
γ	Luminance in cd/m²		
45°	4159.4	4259.6	4372.0
50°	4220.7	4234.1	4373.9
55°	4184.7	4202.8	4293.1
60°	4057.4	4040.2	3974.5
65°	3688.2	3696.4	3618.7
70°	4021.8	3582.2	3152.7
75°	1235.2	3845.7	2603.9
80°	1383.3	1423.0	1741.5
85°	971.5	594.8	793.1

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Luminance values in cd/m²

γ 65° γ 70° γ 75° γ 80° γ 85°

serial

