Lichttechnischer Prüfbefund

Familie
Escape route lighting



Bestell-Nr.: 5SL13SCG1
EAN: 4069025401014

Ausführung	Fluchtwegleuchte, für Wand- und Deckenanbau, Linse, symmetrisch strahlend
Bestückung	LED 6000 K | CRI ≥ 80
Betriebsgerät	EVG
Bemessungswerte	Nettolichtstrom = 600 lm Systemleistung = 6.0 W Lichtausbeute = 100 lm/W

LP-Nummer
59816_4

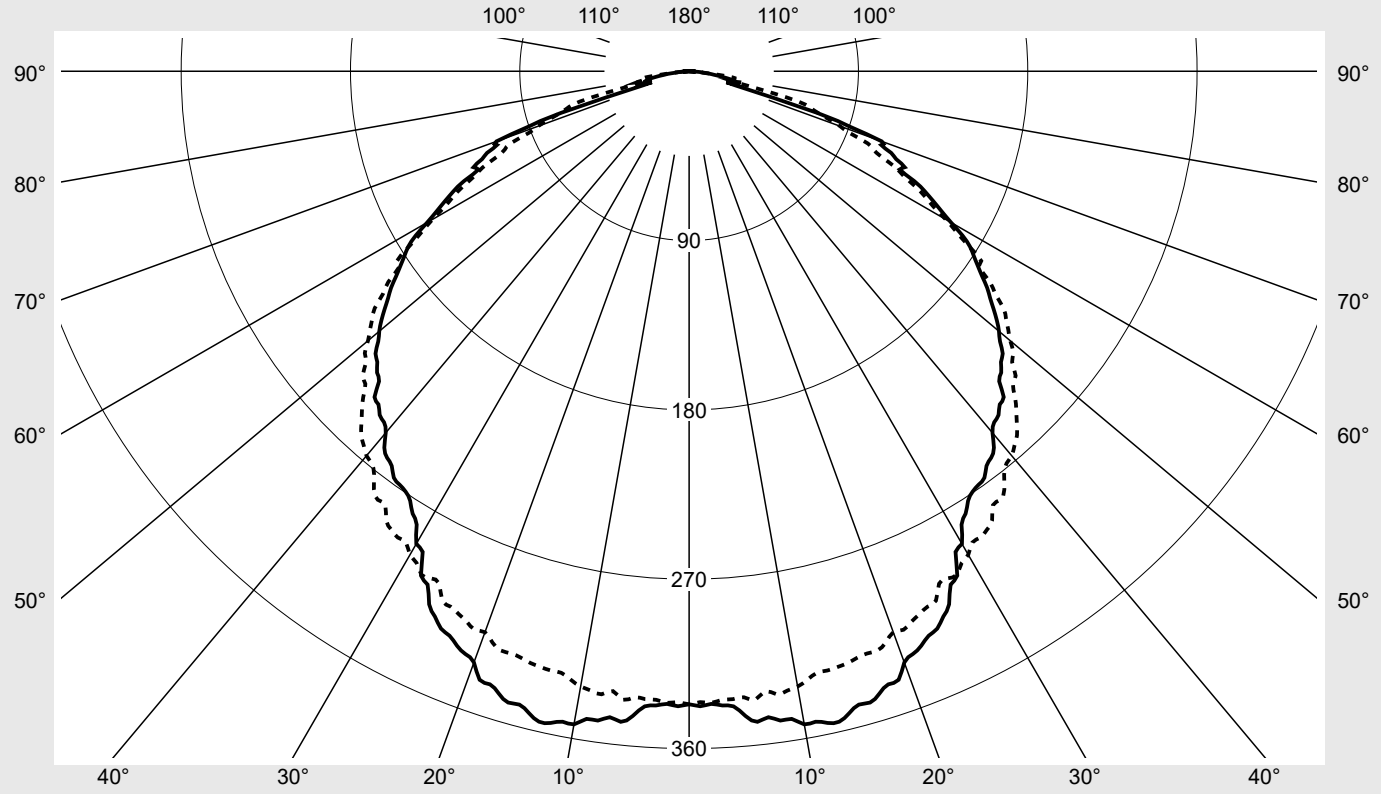
Seriendokumentation
08.07.2025

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Lichtstärke in cd/klm

C180-0 C270-90

Imax: 355 cd/klm



Klassifizierungen

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

Leuchtenbetriebswirkungsgrade

ηLB	100,0%
ϕ_u	100,0%
ϕ_o	0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung

Maximale Lichtstärke

C-Ebenen	0° 180°	45° 135° 225° 315°	90° 270°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm			Lichtstrom 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	Lichtstärke in cd/klm			Lichtstrom 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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Wertetabelle Lichtstärkemessung

Maximale Lichtstärke

C-Ebenen	0° 180°	45° 135° 225° 315°	90° 270°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm			Lichtstrom 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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Maximale Lichtstärke

C-Ebenen γ	0° 180°	45° 135° 225° 315°	90° 270°	Phi-Zone	Summe Phi-Zone
	Lichtstärke in cd/klm			Lichtstrom 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-Tabelle

Standardraum

Reflexionsgrad Decke		0,7	0,7	0,5	0,5	0,3	0,7	0,7	0,5	0,5	0,3
Reflexionsgrad Wände		0,5	0,3	0,5	0,3	0,3	0,5	0,3	0,5	0,3	0,3
Reflexionsgrad Boden		0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (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

Leuchtdichten-Tabelle

Max. für $\gamma >= 65°$

Lichttechnische Abmessungen in mm: L = 317, B = 150

C-Ebenen	0° 180°	45° 135° 225° 315°	90° 270°
γ	Leuchtdichte 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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Leuchtdichten in cd/m²

γ 65° γ 70° γ 75° γ 80° γ 85°

Seriendokumentation

