Lichttechnischer Prüfbefund

Familie
Escape route lighting



Bestell-Nr.: 5SW13WCI1
EAN: 4069025401731

Ausführung	Fluchtwegleuchte, für Wandanbau, Linse, asymmetrisch strahlend
Bestückung	LED 6000 K | CRI ≥ 80
Betriebsgerät	EVG
Bemessungswerte	Nettolichtstrom = 310 lm Systemleistung = 6.0 W Lichtausbeute = 51.7 lm/W

LP-Nummer
59813_1

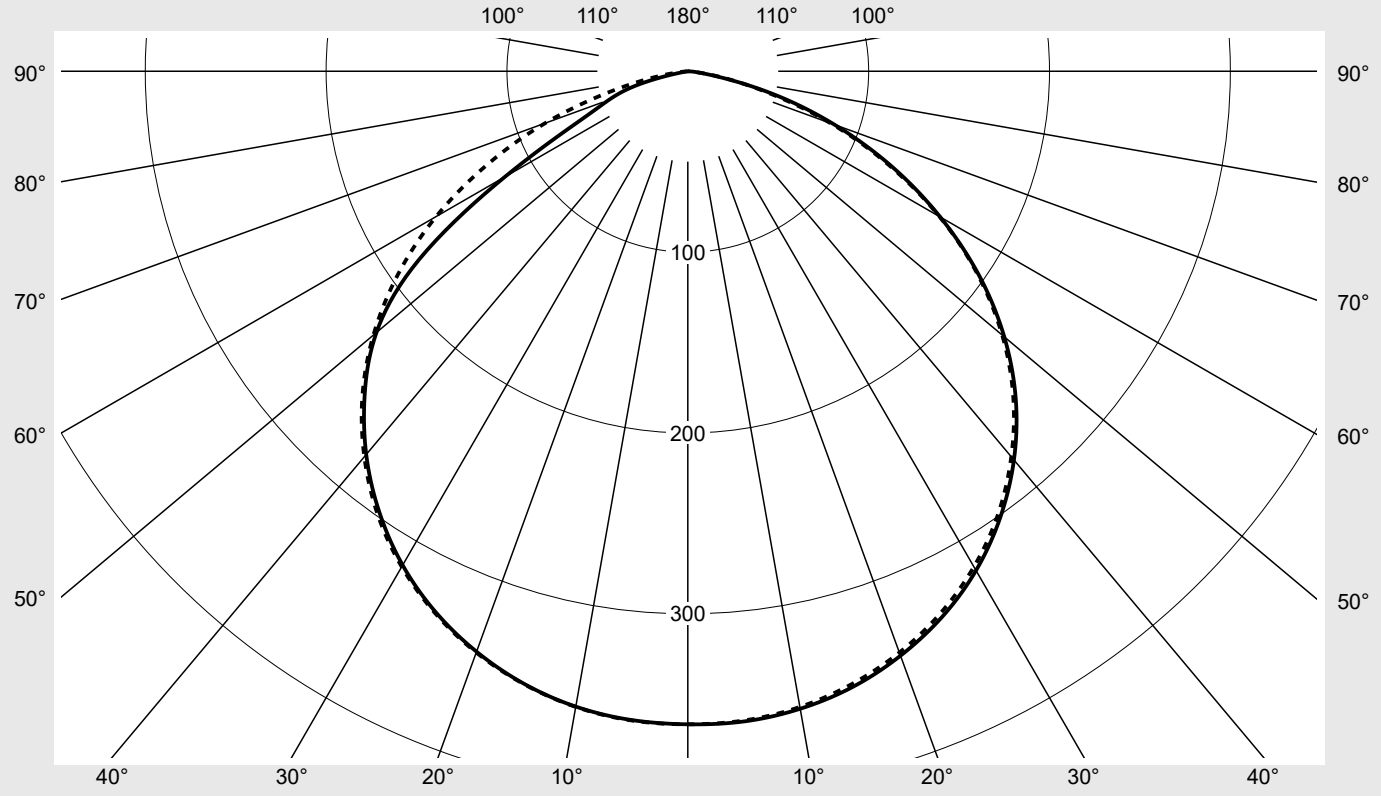
Seriendokumentation
08.07.2025

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Lichtstärke in cd/klm

C180-0 C270-90

Imax: 361 cd/klm



Klassifizierungen

DIN 5040	A 4 0
CIE	N1=50 N2=84 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°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
γ	Lichtstärke in cd/klm						
0°	361.1	361.1	361.1	361.1	361.1	361.1	361.1
5°	360.8	360.4	360.5	360.5	360.5	360.3	360.3
10°	357.9	357.4	357.4	357.5	357.3	357.1	356.9
15°	352.4	351.8	351.8	351.7	351.4	351.1	350.8
20°	343.9	343.2	343.3	343.2	342.7	342.3	342.0
25°	332.9	331.9	332.0	331.7	331.4	331.0	330.6
30°	318.8	317.5	317.2	317.4	317.2	316.9	316.4
35°	301.2	299.6	299.2	299.7	299.9	299.6	299.1
40°	280.6	278.4	277.5	278.9	279.5	279.3	278.3
45°	256.5	253.4	252.6	254.7	255.7	255.3	254.5
50°	228.4	224.3	224.3	227.2	228.3	227.5	226.9
55°	196.5	191.7	192.4	196.7	197.3	196.6	195.5
60°	161.1	155.9	157.3	162.2	162.7	161.9	160.7
65°	124.3	118.8	120.6	124.9	125.8	125.3	122.6
70°	86.3	82.0	84.1	86.7	86.7	87.0	84.0
75°	49.0	46.9	48.9	51.1	48.4	48.6	46.1
80°	16.1	15.7	15.9	20.8	21.2	20.4	18.3
85°	3.6	3.9	4.4	4.3	3.9	3.5	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Wertetabelle Lichtstärkemessung

Maximale Lichtstärke

C-Ebenen	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm						Lichtstrom in lm/klm	
0°	361.1	361.1	361.1	361.1	361.1	361.1	2.2	2.2
5°	360.2	360.0	360.0	359.9	360.0	360.1	17.2	19.4
10°	356.8	356.6	356.6	356.6	356.6	356.7	34.0	53.4
15°	350.5	350.4	350.5	350.5	350.6	350.5	49.8	103.2
20°	341.6	341.6	341.5	341.6	341.6	341.5	64.2	167.3
25°	330.3	330.2	330.1	329.8	329.9	330.0	76.6	244.0
30°	316.0	315.7	315.5	315.3	315.3	315.4	86.7	330.7
35°	298.5	298.4	297.7	297.3	297.3	297.5	93.9	424.6
40°	278.2	277.7	277.0	275.7	276.3	276.7	97.9	522.6
45°	254.1	254.0	252.8	251.1	251.5	252.7	98.3	620.9
50°	226.6	226.6	225.2	223.2	223.1	224.7	94.8	715.7
55°	195.7	195.4	194.7	190.9	183.8	181.3	86.8	802.5
60°	161.2	160.4	160.3	143.5	121.9	116.8	73.1	875.6
65°	124.4	123.0	113.9	81.7	68.3	68.3	55.7	931.3
70°	85.2	82.6	56.5	46.1	45.0	46.6	38.3	969.6
75°	46.7	34.9	27.9	27.8	26.8	27.7	21.7	991.3
80°	18.0	10.7	10.7	3.4	2.2	2.2	7.5	998.8
85°	1.3	0.2	0.3	0.3	0.3	0.4	1.2	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	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 x	y	Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
2H	2H	22,1	23,7	22,4	24,0	24,4	22,6	24,2	22,9	24,5	24,8
	3H	23,2	24,7	23,6	25,0	25,4	23,8	25,3	24,2	25,6	26,0
	4H	23,5	24,9	23,9	25,2	25,6	24,2	25,5	24,6	25,9	26,3
	6H	23,6	24,9	24,0	25,2	25,6	24,3	25,6	24,7	25,9	26,3
	8H	23,6	24,8	24,0	25,2	25,6	24,3	25,5	24,7	25,9	26,3
	12H	23,6	24,7	24,0	25,1	25,5	24,3	25,4	24,7	25,8	26,2
4H	2H	22,8	24,2	23,2	24,5	24,9	23,1	24,5	23,5	24,9	25,2
	3H	24,0	25,2	24,5	25,6	26,0	24,5	25,7	24,9	26,0	26,5
	4H	24,4	25,4	24,8	25,8	26,3	24,9	25,9	25,3	26,3	26,8
	6H	24,5	25,4	24,9	25,8	26,3	25,0	25,9	25,5	26,4	26,8
	8H	24,5	25,3	24,9	25,7	26,2	25,1	25,9	25,5	26,3	26,8
	12H	24,5	25,2	25,0	25,7	26,2	25,1	25,8	25,6	26,2	26,7
8H	4H	24,6	25,4	25,0	25,8	26,3	24,9	25,8	25,4	26,2	26,7
	6H	24,7	25,3	25,2	25,8	26,3	25,1	25,8	25,6	26,3	26,8
	8H	24,7	25,3	25,2	25,7	26,3	25,1	25,7	25,6	26,2	26,7
	12H	24,7	25,2	25,2	25,7	26,2	25,1	25,6	25,7	26,1	26,7
12H	4H	24,6	25,3	25,1	25,7	26,2	24,9	25,7	25,4	26,1	26,6
	6H	24,7	25,3	25,2	25,7	26,3	25,1	25,7	25,6	26,2	26,7
	8H	24,7	25,2	25,2	25,7	26,2	25,1	25,6	25,7	26,1	26,7

Leuchtdichten-Tabelle

Max. für $\gamma >= 65°$

Lichttechnische Abmessungen in mm: L = 180, B = 30, H(C0) = 5, H(C90) = 5, H(C180) = 5, H(C270) = 5

C-Ebenen	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°
γ	Leuchtdichte in cd/m²												
45°	17847.9	17608.9	17708.6	18180.1	18743.6	19370.0	20104.3	19279.8	18620.9	18040.7	17599.0	17478.6	17582.9
50°	17020.6	16689.5	16852.6	17435.1	18072.4	18754.1	19617.5	18679.0	17941.7	17281.3	16774.1	16594.6	16745.8
55°	15885.7	15474.5	15709.8	16454.0	17119.7	17886.6	18824.0	17806.0	16954.0	16292.1	15587.3	14831.6	14653.4
60°	14357.2	13858.9	14172.9	15037.2	15752.0	16580.7	17603.1	16512.6	15528.0	14860.7	12928.1	10836.3	10406.8
65°	12439.0	11864.5	12228.4	13099.1	13887.5	14796.9	15722.1	14693.1	13583.4	11949.4	8285.9	6822.3	6830.6
70°	9933.2	9411.0	9838.3	10564.1	11234.2	12242.5	13094.2	11999.1	10702.5	6878.7	5391.2	5169.4	5363.6
75°	6705.7	6393.7	6822.4	7488.5	7656.2	8549.8	9255.3	8206.2	5533.2	4090.8	3871.6	3656.5	3787.5
80°	2729.8	2649.5	2778.8	3867.4	4362.0	4818.8	5225.4	4267.8	2189.2	1991.3	596.4	379.7	382.2
85°	813.5	888.7	1039.7	1109.9	1161.5	1271.1	1099.4	458.9	68.0	74.3	69.2	73.3	81.6

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Leuchtdichten in cd/m²

γ 65° γ 70° γ 75° γ 80° γ 85°

