Photometric test report

Family
Escape route lighting



Order number: 5SW13WCI1
EAN: 4069025401731

Version	Escape route light, for wall surface-mounting, lens, asymmetric distribution
Lamps	LED 6000 K | CRI ≥ 80
Controlgear	ECG
Rated values	Net luminous flux = 310 lm Power consumption = 6.0 W Luminous efficacy = 51.7 lm/W

LP number
59813_1

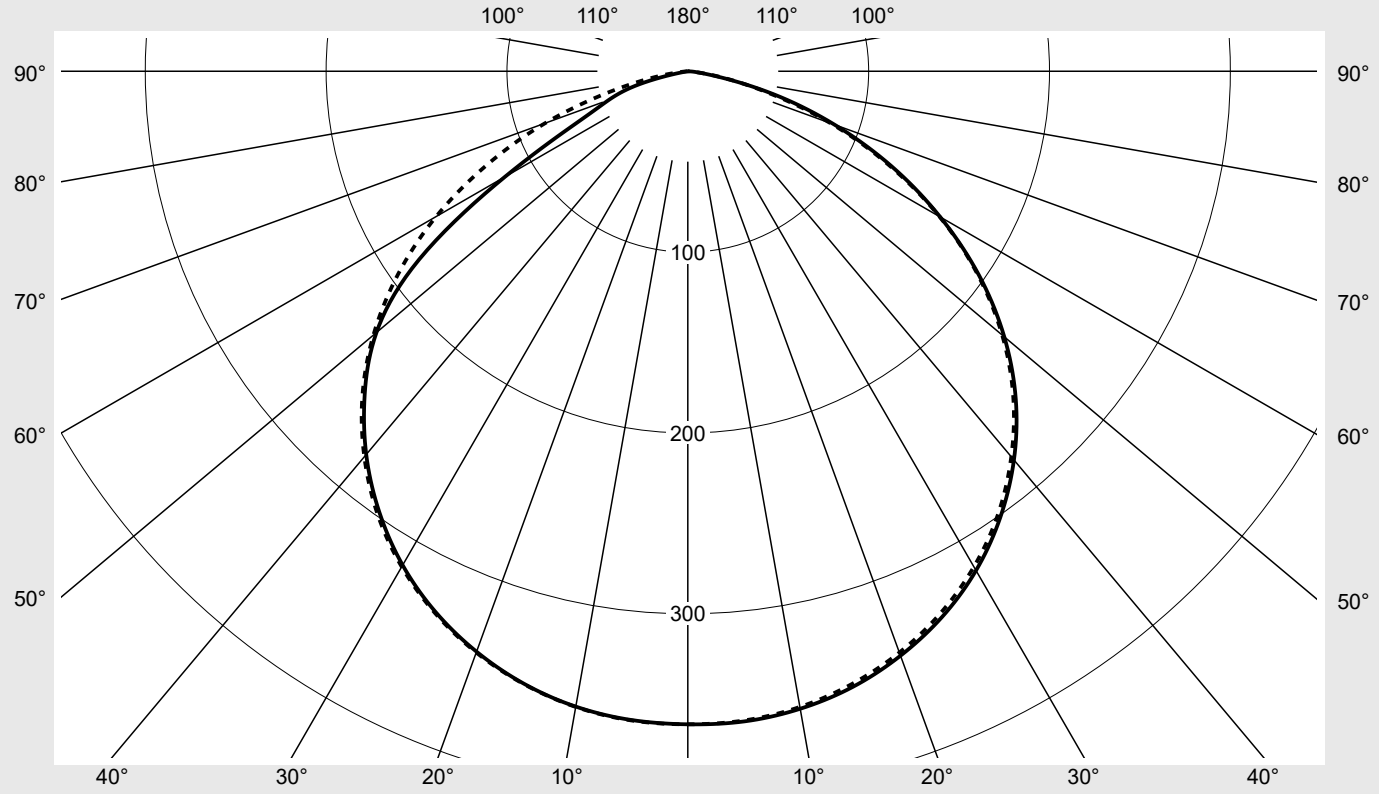
serial documentation
08.07.2025

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Luminous intensity in cd/klm

C180-0 C270-90

Imax: 361 cd/klm



Classifications

DIN 5040	A 4 0
CIE	N1=50 N2=84 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°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
γ	Luminous intensity 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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Table of values for luminous intensities

Maximum luminous intensity

C-planes	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm						Luminous flux 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-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	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

Luminance table

Max. for $\gamma >= 65°$

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

C-planes	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	Luminance 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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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°

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