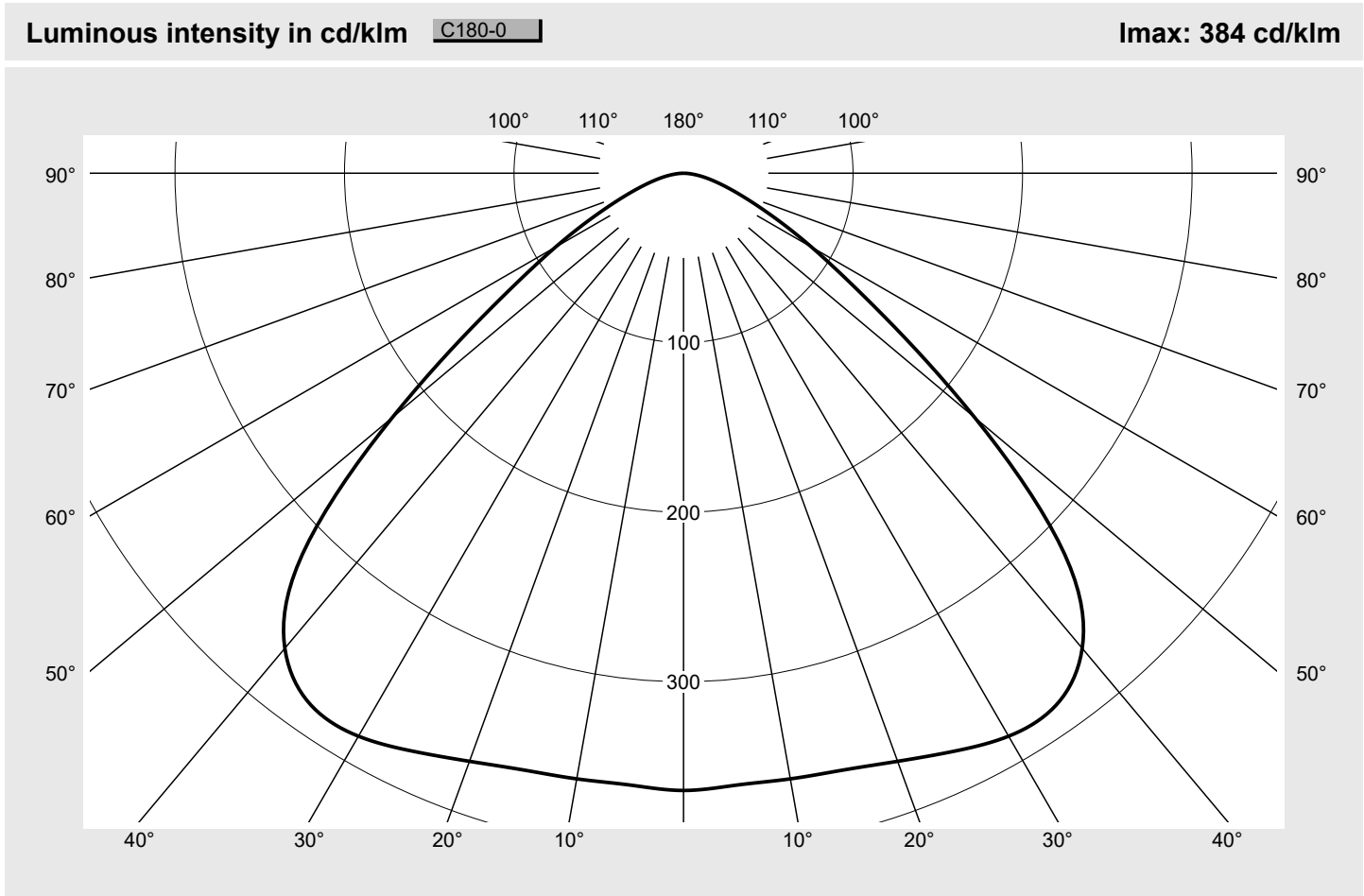


Photometric test report

Family Highbay 41	Order number: 51HD3XMAMH0A EAN: 4069025768834		LP number 60436_2
	Version	cover panel, PC, clear, adjustable light distribution, adjustable color temperature: 4000K 5000K 6500K	serial documentation 30.07.2026
	Lamps	LED 5000 K CRI ≥ 80	
	Controlgear	ECG Multilumen	
	Setting	individual position: extremely wide distribution, Lumen Max.	
	Rated values	Net luminous flux = 17490 lm Power consumption = 106.0 W Luminous efficacy = 165 lm/W	

siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 5 0	η_{LB}	100.0%
CIE	N1=59 N2=92 N3=99	ϕ_u	100.0%
	N4=100 N5=100	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

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C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
0°	364.2	2.2	2.2
5°	362.4	17.3	19.5
10°	362.9	34.5	54.0
15°	364.5	51.7	105.7
20°	369.3	69.2	175.0
25°	376.4	87.2	262.2
30°	383.5	105.1	367.3
35°	383.2	120.5	487.7
40°	365.9	128.9	616.7
45°	318.0	123.3	739.9
50°	224.2	94.2	834.1
55°	138.1	62.0	896.1
60°	87.3	41.4	937.5
65°	53.9	26.8	964.3
70°	32.9	17.0	981.3
75°	19.8	10.5	991.7
80°	10.9	5.9	997.6
85°	4.1	2.2	999.8
90°	0.3	0.2	1000.0
95°	0.0	0.0	1000.0
100°	0.0	0.0	1000.0
105°	0.0	0.0	1000.0
110°	0.0	0.0	1000.0
115°	0.0	0.0	1000.0
120°	0.0	0.0	1000.0
125°	0.0	0.0	1000.0
130°	0.0	0.0	1000.0
135°	0.0	0.0	1000.0
140°	0.0	0.0	1000.0
145°	0.0	0.0	1000.0
150°	0.0	0.0	1000.0
155°	0.0	0.0	1000.0
160°	0.0	0.0	1000.0
165°	0.0	0.0	1000.0
170°	0.0	0.0	1000.0
175°	0.0	0.0	1000.0
180°	0.0	0.0	1000.0

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Family Highbay 41			Order number: 51HD3XMAMH0A EAN: 4069025768834							LP number 60436_2	
UGR-Table			Standard room							siteco	
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	27.9	29.5	28.3	29.8	30.1	27.9	29.5	28.3	29.8	30.1
	3H	28.2	29.6	28.6	29.9	30.3	28.2	29.6	28.6	29.9	30.3
	4H	28.3	29.6	28.7	29.9	30.3	28.3	29.6	28.7	29.9	30.3
	6H	28.4	29.5	28.8	29.9	30.3	28.4	29.5	28.8	29.9	30.3
	8H	28.4	29.5	28.8	29.9	30.3	28.4	29.5	28.8	29.9	30.3
	12H	28.4	29.4	28.8	29.8	30.2	28.4	29.4	28.8	29.8	30.2
4H	2H	28.1	29.4	28.5	29.8	30.1	28.1	29.4	28.5	29.8	30.1
	3H	28.5	29.6	28.9	30.0	30.4	28.5	29.6	28.9	30.0	30.4
	4H	28.6	29.6	29.1	30.0	30.4	28.6	29.6	29.1	30.0	30.4
	6H	28.7	29.5	29.2	30.0	30.4	28.7	29.5	29.2	30.0	30.4
	8H	28.7	29.5	29.2	29.9	30.4	28.7	29.5	29.2	29.9	30.4
	12H	28.8	29.4	29.3	29.9	30.4	28.8	29.4	29.3	29.9	30.4
8H	4H	28.7	29.4	29.1	29.8	30.3	28.7	29.4	29.1	29.8	30.3
	6H	28.8	29.4	29.3	29.9	30.4	28.8	29.4	29.3	29.9	30.4
	8H	28.8	29.4	29.3	29.8	30.4	28.8	29.4	29.3	29.8	30.4
	12H	28.9	29.3	29.4	29.8	30.3	28.9	29.3	29.4	29.8	30.3
12H	4H	28.7	29.3	29.1	29.8	30.3	28.7	29.3	29.1	29.8	30.3
	6H	28.8	29.3	29.3	29.8	30.3	28.8	29.3	29.3	29.8	30.3
	8H	28.8	29.3	29.3	29.8	30.3	28.8	29.3	29.3	29.8	30.3

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 252
C- planes	0°			
γ	Luminance in cd/m²			
45°	157708.3			
50°	122338.1			
55°	84433.9			
60°	61200.4			
65°	44722.2			
70°	33756.7			
75°	26767.1			
80°	22013.8			
85°	16427.9			

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Family Highbay 41	Order number: 51HD3XMAMH0A EAN: 4069025768834	LP number 60436_2
Luminance values in cd/m²		siteco
		γ 65° γ 70° γ 75° γ 80° γ 85°

