


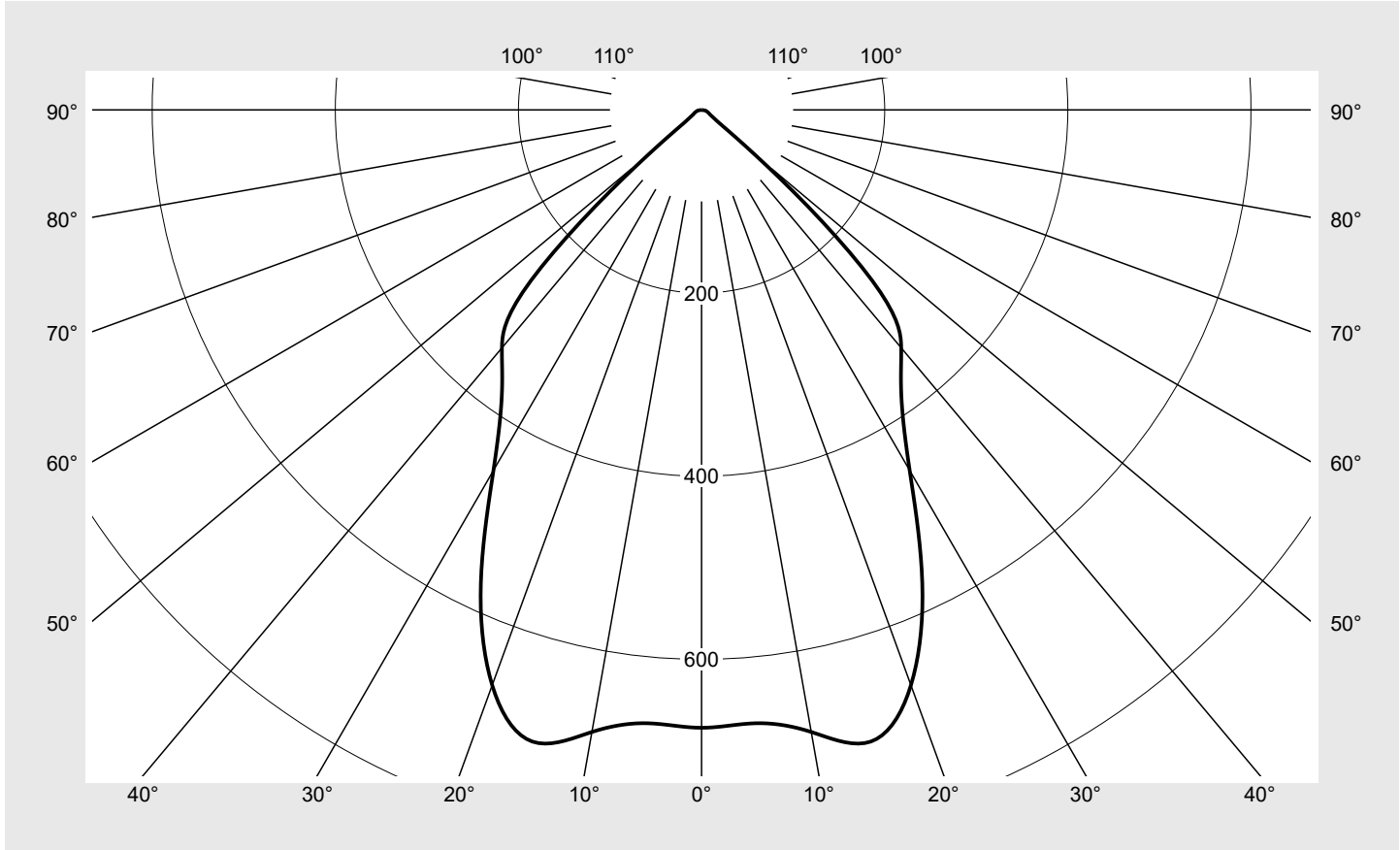


Photometric test report

Family Highbay 31	Order number: 51HC42DA4FMB + 59HC91001 EAN: 4058352700259 + 4058352463192	LP number 59129_4
	Version primary light control with lens, PC, clear, prismatic reflector, PC, wide distribution	serial documentation 16.01.2023
	Lamps LED 4000 K CRI ≥ 80	
	Controlgear ECG-DALI	
	Rated values Net luminous flux = 13000 lm Power consumption = 94.0 W Luminous efficacy = 138.3 lm/W	

Luminous intensity in cd/klm C180-0 **Imax: 714 cd/klm**



Classifications	
DIN 5040	A 6 2
CIE	N1=81 N2=98 N3=99 N4=99 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	98.8%
ϕ_o	1.2%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Highbay 31	Order number: 51HC42DA4FMB + 59HC91001 EAN: 4058352700259 + 4058352463192	LP number 59129_4
----------------------	--	----------------------

Table of values for luminous intensities	Maximum luminous intensity	sITeco
--	----------------------------	--------

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0°	674.7	4.0	4.0
5°	672.3	32.1	36.2
10°	689.8	65.7	101.8
15°	714.1	101.3	203.1
20°	668.5	125.3	328.5
25°	570.4	132.1	460.6
30°	454.6	124.6	585.2
35°	380.3	119.6	704.8
40°	339.2	119.5	824.3
45°	263.4	102.1	926.3
50°	75.4	31.7	958.0
55°	18.8	8.4	966.5
60°	11.5	5.5	971.9
65°	8.9	4.4	976.3
70°	7.1	3.7	980.0
75°	5.5	2.9	982.9
80°	4.2	2.3	985.2
85°	3.3	1.8	987.0
90°	2.6	1.4	988.4
95°	2.3	1.3	989.7
100°	1.9	1.0	990.7
105°	1.7	0.9	991.6
110°	1.6	0.8	992.4
115°	1.5	0.7	993.1
120°	1.4	0.7	993.8
125°	1.5	0.7	994.5
130°	1.7	0.7	995.2
135°	1.9	0.8	996.0
140°	2.1	0.8	996.7
145°	2.3	0.7	997.4
150°	2.4	0.7	998.1
155°	2.6	0.6	998.7
160°	2.7	0.5	999.2
165°	2.8	0.4	999.6
170°	2.7	0.3	999.9
175°	2.5	0.1	1000.0
180°	2.4	0.0	1000.0

Photometric test report

Family Highbay 31	Order number: 51HC42DA4FMB + 59HC91001 EAN: 4058352700259 + 4058352463192	LP number 59129_4
----------------------	--	----------------------

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	17.8	19.1	18.1	19.4	19.7	17.8	19.1	18.1	19.4	19.7
	3H	17.7	18.8	18.0	19.2	19.5	17.7	18.8	18.0	19.2	19.5
	4H	17.6	18.7	18.0	19.0	19.4	17.6	18.7	18.0	19.0	19.4
	6H	17.5	18.5	18.0	18.9	19.3	17.5	18.5	18.0	18.9	19.3
	8H	17.6	18.4	18.0	18.8	19.2	17.6	18.4	18.0	18.8	19.2
	12H	17.6	18.4	18.0	18.7	19.2	17.6	18.4	18.0	18.7	19.2
4H	2H	17.6	18.6	18.0	19.0	19.4	17.6	18.6	18.0	19.0	19.4
	3H	17.5	18.3	17.9	18.7	19.2	17.5	18.3	17.9	18.7	19.2
	4H	17.4	18.2	17.8	18.6	19.0	17.4	18.2	17.8	18.6	19.0
	6H	17.3	18.0	17.8	18.4	18.9	17.3	18.0	17.8	18.4	18.9
	8H	17.3	17.9	17.8	18.4	18.9	17.3	17.9	17.8	18.4	18.9
	12H	17.3	17.8	17.8	18.3	18.8	17.3	17.8	17.8	18.3	18.8
8H	4H	17.3	17.9	17.8	18.3	18.8	17.3	17.9	17.8	18.3	18.8
	6H	17.2	17.7	17.7	18.2	18.7	17.2	17.7	17.7	18.2	18.7
	8H	17.2	17.6	17.7	18.1	18.6	17.2	17.6	17.7	18.1	18.6
	12H	17.2	17.5	17.7	18.0	18.6	17.2	17.5	17.7	18.0	18.6
12H	4H	17.3	17.8	17.8	18.3	18.7	17.3	17.8	17.8	18.3	18.7
	6H	17.2	17.6	17.7	18.1	18.6	17.2	17.6	17.7	18.1	18.6
	8H	17.2	17.5	17.7	18.0	18.6	17.2	17.5	17.7	18.0	18.6

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 480	H(C0) = 227 H(C90) = 227	H(C180) = 227 H(C270) = 227
------------------------	---------------------------------	---------------------------------------	-----------------------------	--------------------------------

C-planes		0°
γ	Luminance in cd/m ²	
45°	16701.0	
50°	4906.0	
55°	1266.4	
60°	810.4	
65°	661.1	
70°	561.3	
75°	468.1	
80°	392.5	
85°	345.7	

Photometric test report

Family Highbay 31	Order number: 51HC42DA4FMB + 59HC91001 EAN: 4058352700259 + 4058352463192	LP number 59129_4
------------------------------------	--	------------------------------------

Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**

