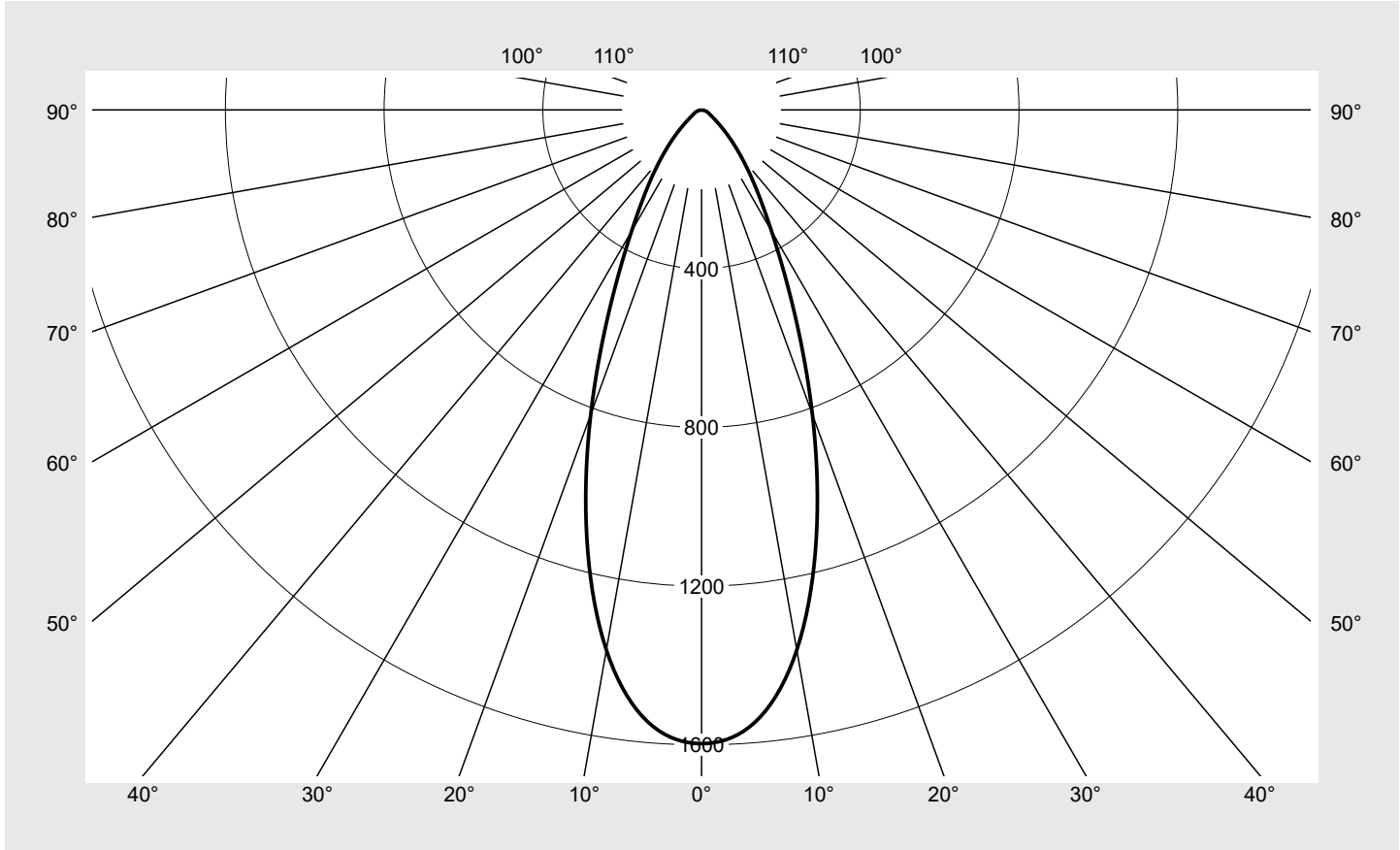


Photometric test report

Family Highbay 21	Order number: 51HK41DA4GCA EAN: 4058352883402	LP number 59527_1
	Version primary light control with lens, cover, polycarbonate, symmetric, narrow distribution, UGR≤22	serial documentation 19.12.2023
	Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 13400 lm Power consumption = 75.0 W Luminous efficacy = 178.7 lm/W	



Luminous intensity in cd/klm C180-0 **Imax: 1597 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=87 N2=97 N3=99 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
 DIN EN 13032 and DIN 5032

Photometric test report

Family Highbay 21	Order number: 51HK41DA4GCA EAN: 4058352883402	LP number 59527_1
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Table of values for luminous intensities	Maximum luminous intensity	sITeco
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C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0°	1596.8	9.5	9.5
5°	1548.5	74.0	83.5
10°	1381.9	131.5	215.1
15°	1117.1	158.5	373.5
20°	816.6	153.1	526.6
25°	542.6	125.7	652.3
30°	352.6	96.6	749.0
35°	236.6	74.4	823.4
40°	157.7	55.6	878.9
45°	100.4	38.9	917.8
50°	60.8	25.5	943.4
55°	37.9	17.0	960.4
60°	26.2	12.4	972.8
65°	19.8	9.8	982.6
70°	14.9	7.7	990.3
75°	10.3	5.4	995.8
80°	5.7	3.1	998.9
85°	2.1	1.1	1000.0
90°	0.0	0.0	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

Photometric test report

Family Highbay 21	Order number: 51HK41DA4GCA EAN: 4058352883402	LP number 59527_1
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UGR-Table	Standard room	sitEco
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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	18.9	20.1	19.2	20.4	20.7	18.9	20.1	19.2	20.4	20.7
	3H	19.2	20.3	19.6	20.6	21.0	19.2	20.3	19.6	20.6	21.0
	4H	19.4	20.4	19.8	20.8	21.1	19.4	20.4	19.8	20.8	21.1
	6H	19.6	20.4	20.0	20.8	21.2	19.6	20.4	20.0	20.8	21.2
	8H	19.7	20.4	20.1	20.8	21.2	19.7	20.4	20.1	20.8	21.2
	12H	19.7	20.4	20.1	20.8	21.2	19.7	20.4	20.1	20.8	21.2
4H	2H	18.9	19.9	19.3	20.3	20.6	18.9	19.9	19.3	20.3	20.6
	3H	19.5	20.3	19.9	20.7	21.1	19.5	20.3	19.9	20.7	21.1
	4H	19.7	20.4	20.2	20.9	21.3	19.7	20.4	20.2	20.9	21.3
	6H	19.9	20.5	20.4	21.0	21.4	19.9	20.5	20.4	21.0	21.4
	8H	20.0	20.5	20.5	21.0	21.5	20.0	20.5	20.5	21.0	21.5
	12H	20.1	20.5	20.6	21.0	21.5	20.1	20.5	20.6	21.0	21.5
8H	4H	19.8	20.3	20.3	20.8	21.3	19.8	20.3	20.3	20.8	21.3
	6H	20.1	20.5	20.6	21.0	21.5	20.1	20.5	20.6	21.0	21.5
	8H	20.1	20.5	20.7	21.0	21.6	20.1	20.5	20.7	21.0	21.6
	12H	20.2	20.5	20.7	21.0	21.6	20.2	20.5	20.7	21.0	21.6
12H	4H	19.8	20.3	20.3	20.7	21.2	19.8	20.3	20.3	20.7	21.2
	6H	20.1	20.4	20.6	20.9	21.5	20.1	20.4	20.6	20.9	21.5
	8H	20.2	20.5	20.7	21.0	21.5	20.2	20.5	20.7	21.0	21.5

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 450 B = 168
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C-planes	0°
γ	Luminance in cd/m ²
45°	25155.0
50°	16776.9
55°	11710.8
60°	9293.1
65°	8300.5
70°	7741.5
75°	7021.6
80°	5861.1
85°	4201.6

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

