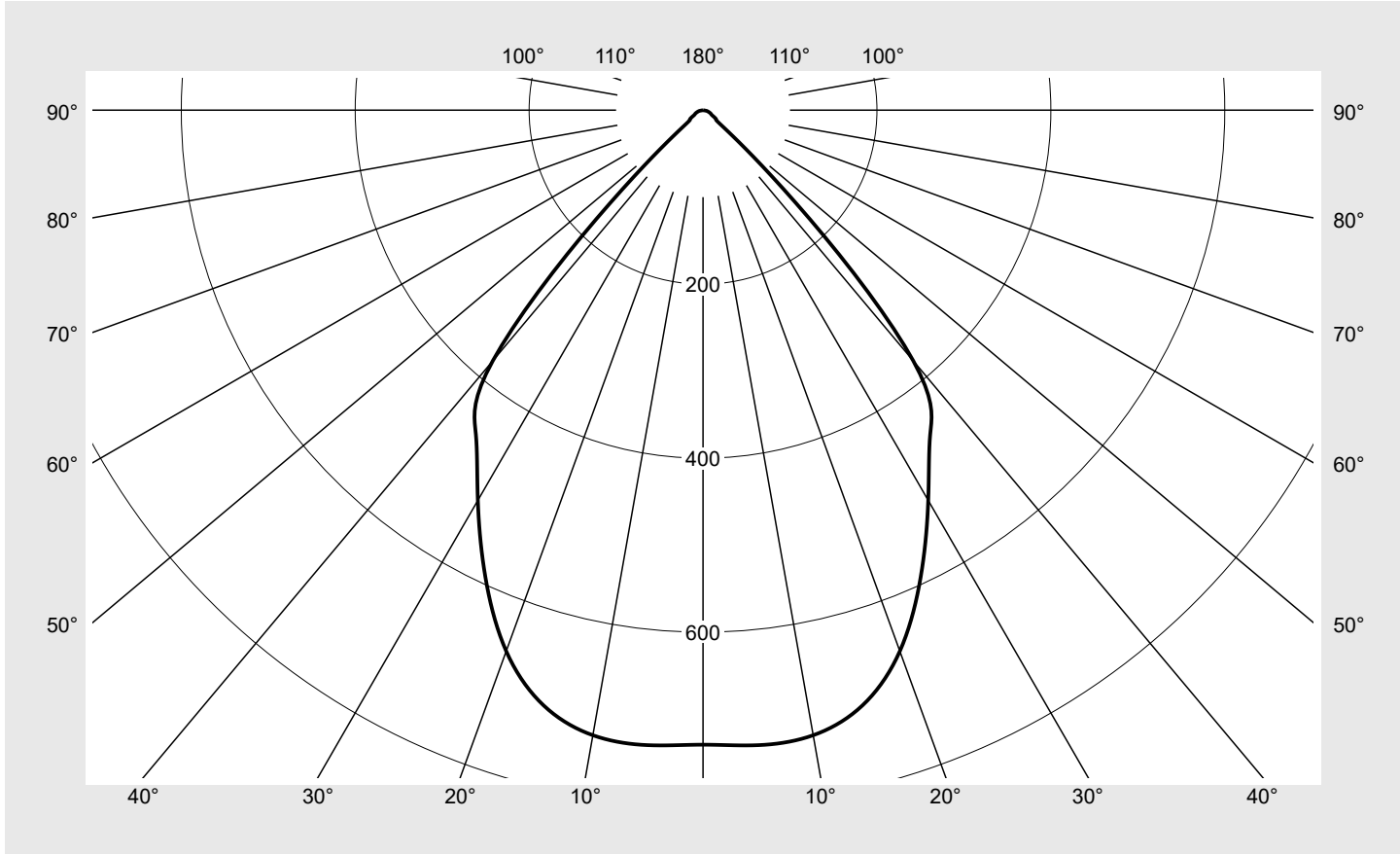


Photometric test report

Family Highbay 31	Order number: 51HC42DA4MMB + 59HC91002 EAN: 4058352700297 + 4058352463208	LP number 59176_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 = 26500 lm Power consumption = 187.0 W Luminous efficacy = 141.7 lm/W	



Luminous intensity in cd/klm C180-0 **Imax: 733 cd/klm**



Classifications	
DIN 5040	A 6 2
CIE	N1=87 N2=98 N3=100 N4=99 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	99.1%
ϕ_o	0.9%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Highbay 31	Order number: 51HC42DA4MMB + 59HC91002 EAN: 4058352700297 + 4058352463208	LP number 59176_4
-----------------------------	--	-----------------------------

sITeco

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

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
0°	729.4	4.4	4.4
5°	732.7	35.0	39.4
10°	729.6	69.4	108.8
15°	708.4	100.5	209.3
20°	661.8	124.1	333.4
25°	592.2	137.2	470.6
30°	518.0	142.0	612.5
35°	455.4	143.2	755.7
40°	376.2	132.5	888.2
45°	151.5	58.7	947.0
50°	32.6	13.7	960.7
55°	18.4	8.3	968.9
60°	12.6	6.0	974.9
65°	10.0	5.0	979.9
70°	7.9	4.1	984.0
75°	5.8	3.0	987.0
80°	3.8	2.0	989.1
85°	2.3	1.3	990.3
90°	1.4	0.8	991.1
95°	1.3	0.7	991.8
100°	1.2	0.7	992.5
105°	1.1	0.6	993.1
110°	1.1	0.6	993.6
115°	1.1	0.5	994.2
120°	1.1	0.5	994.7
125°	1.2	0.6	995.2
130°	1.4	0.6	995.8
135°	1.7	0.7	996.5
140°	2.0	0.7	997.2
145°	2.1	0.7	997.9
150°	2.1	0.6	998.5
155°	2.1	0.5	998.9
160°	2.1	0.4	999.3
165°	2.2	0.3	999.7
170°	2.2	0.2	999.9
175°	2.3	0.1	1000.0
180°	2.3	0.0	1000.0

Photometric test report

Family Highbay 31	Order number: 51HC42DA4MMB + 59HC91002 EAN: 4058352700297 + 4058352463208	LP number 59176_4
----------------------	--	----------------------

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	18.8	20.0	19.1	20.4	20.7	18.8	20.0	19.1	20.4	20.7
	3H	18.7	19.8	19.0	20.1	20.5	18.7	19.8	19.0	20.1	20.5
	4H	18.6	19.6	19.0	20.0	20.4	18.6	19.6	19.0	20.0	20.4
	6H	18.6	19.5	19.0	19.9	20.3	18.6	19.5	19.0	19.9	20.3
	8H	18.6	19.4	19.0	19.8	20.2	18.6	19.4	19.0	19.8	20.2
	12H	18.6	19.3	19.0	19.7	20.1	18.6	19.3	19.0	19.7	20.1
4H	2H	18.6	19.6	19.0	20.0	20.3	18.6	19.6	19.0	20.0	20.3
	3H	18.5	19.3	18.9	19.7	20.1	18.5	19.3	18.9	19.7	20.1
	4H	18.4	19.2	18.8	19.6	20.0	18.4	19.2	18.8	19.6	20.0
	6H	18.3	19.0	18.8	19.4	19.9	18.3	19.0	18.8	19.4	19.9
	8H	18.3	18.9	18.8	19.4	19.8	18.3	18.9	18.8	19.4	19.8
	12H	18.3	18.8	18.8	19.3	19.8	18.3	18.8	18.8	19.3	19.8
8H	4H	18.3	18.9	18.8	19.3	19.8	18.3	18.9	18.8	19.3	19.8
	6H	18.2	18.7	18.7	19.2	19.7	18.2	18.7	18.7	19.2	19.7
	8H	18.2	18.6	18.7	19.1	19.6	18.2	18.6	18.7	19.1	19.6
	12H	18.2	18.5	18.7	19.0	19.6	18.2	18.5	18.7	19.0	19.6
12H	4H	18.3	18.8	18.8	19.2	19.7	18.3	18.8	18.8	19.2	19.7
	6H	18.2	18.6	18.7	19.1	19.6	18.2	18.6	18.7	19.1	19.6
	8H	18.2	18.5	18.7	19.0	19.6	18.2	18.5	18.7	19.0	19.6

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 570	H(C0) = 235 H(C90) = 235	H(C180) = 235 H(C270) = 235
-----------------	---------------------------------	---------------------------------------	-----------------------------	--------------------------------

C-planes	0°
γ	Luminance in cd/m ²
45°	14588.2
50°	3240.7
55°	1904.8
60°	1375.2
65°	1158.6
70°	982.7
75°	780.4
80°	571.0
85°	391.3

Photometric test report

Family
Highbay 31

Order number: 51HC42DA4MMB + 59HC91002
EAN: 4058352700297 + 4058352463208

LP number
59176_4

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

