

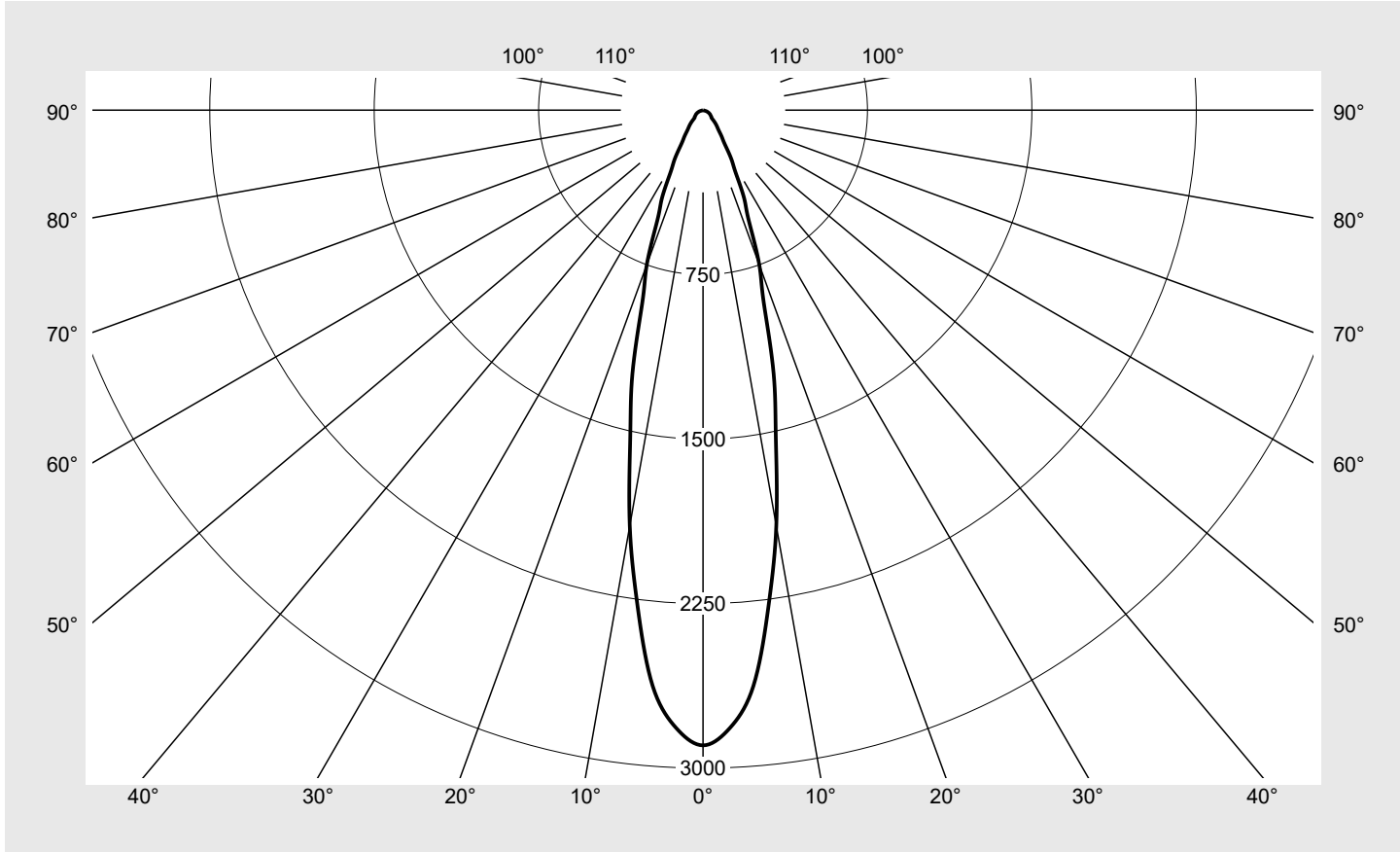


Photometric test report

Family Highbay 11 Xtreme	Order number: 51HF61DA4MMA EAN: 4058352919750	LP number 59307_20
	Version narrow distribution, toughened safety glass, chain suspension	serial documentation 19.10.2023
	Lamps LED 4000 K CRI ≥ 80	
Controlgear ECG-DALI		
Rated values		
Net luminous flux = 31500 lm		
Power consumption = 170.8 W		
Luminous efficacy = 184.4 lm/W		
		

Luminous intensity in cd/klm C180-0 **Imax: 2896 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=88 N2=96 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 11 Xtreme	Order number: 51HF61DA4MMA EAN: 4058352919750	LP number 59307_20
------------------------------------	----------------------------------------------------------------	------------------------------



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	
0,0°	2896.3	4.3	4.3
2,5°	2819.4	33.7	38.0
5,0°	2635.7	63.0	101.0
7,5°	2284.5	81.7	182.8
10,0°	1924.6	91.6	274.4
12,5°	1534.7	91.1	365.4
15,0°	1244.7	88.3	453.7
17,5°	921.9	76.0	529.7
20,0°	750.6	70.4	600.1
22,5°	545.9	57.3	657.4
25,0°	444.2	51.5	708.8
27,5°	324.2	41.0	749.9
30,0°	259.7	35.6	785.5
32,5°	186.5	27.5	812.9
35,0°	150.0	23.6	836.5
37,5°	119.7	20.0	856.5
40,0°	101.4	17.9	874.3
42,5°	86.4	16.0	890.3
45,0°	69.3	13.4	903.8
47,5°	53.2	10.7	914.5
50,0°	50.3	10.6	925.1
52,5°	46.2	10.0	935.1
55,0°	42.5	9.5	944.7
57,5°	39.0	9.0	953.7
60,0°	36.5	8.7	962.4
62,5°	32.1	7.8	970.2
65,0°	28.9	7.2	977.4
67,5°	23.8	6.0	983.4
70,0°	20.2	5.2	988.6
72,5°	15.0	3.9	992.5
75,0°	11.9	3.1	995.6
77,5°	7.9	2.1	997.8
80,0°	5.0	1.4	999.1
82,5°	2.2	0.6	999.7
85,0°	0.8	0.2	999.9
87,5°	0.3	0.1	1000.0
90,0°	0.0	0.0	1000.0

Photometric test report

Family Highbay 11 Xtreme	Order number: 51HF61DA4MMA EAN: 4058352919750	LP number 59307_20
------------------------------------	----------------------------------------------------------------	------------------------------

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	19.0	20.2	19.4	20.5	20.8	19.0	20.2	19.4	20.5	20.8
	3H	20.1	21.1	20.5	21.5	21.8	20.1	21.1	20.5	21.5	21.8
	4H	20.4	21.3	20.8	21.7	22.1	20.4	21.3	20.8	21.7	22.1
	6H	20.6	21.4	21.0	21.7	22.1	20.6	21.4	21.0	21.7	22.1
	8H	20.6	21.3	21.1	21.7	22.1	20.6	21.3	21.1	21.7	22.1
	12H	20.6	21.2	21.0	21.6	22.0	20.6	21.2	21.0	21.6	22.0
4H	2H	19.5	20.4	19.9	20.8	21.2	19.5	20.4	19.9	20.8	21.2
	3H	20.7	21.5	21.1	21.9	22.3	20.7	21.5	21.1	21.9	22.3
	4H	21.1	21.8	21.5	22.2	22.6	21.1	21.8	21.5	22.2	22.6
	6H	21.2	21.8	21.7	22.3	22.7	21.2	21.8	21.7	22.3	22.7
	8H	21.3	21.8	21.7	22.2	22.7	21.3	21.8	21.7	22.2	22.7
	12H	21.2	21.7	21.7	22.1	22.6	21.2	21.7	21.7	22.1	22.6
8H	4H	21.2	21.7	21.7	22.1	22.6	21.2	21.7	21.7	22.1	22.6
	6H	21.4	21.8	21.9	22.3	22.8	21.4	21.8	21.9	22.3	22.8
	8H	21.4	21.7	21.9	22.2	22.8	21.4	21.7	21.9	22.2	22.8
	12H	21.3	21.6	21.9	22.1	22.7	21.3	21.6	21.9	22.1	22.7
12H	4H	21.2	21.6	21.7	22.1	22.6	21.2	21.6	21.7	22.1	22.6
	6H	21.4	21.7	21.9	22.2	22.7	21.4	21.7	21.9	22.2	22.7
	8H	21.4	21.7	21.9	22.2	22.7	21.4	21.7	21.9	22.2	22.7

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 545 B = 235
------------------------	---------------------------------------------------	-------------------------------	--------------------

C-planes	0°
γ	Luminance in cd/m ²
45,0°	24116.1
50,0°	19237.1
55,0°	18230.4
60,0°	17962.7
65,0°	16843.9
70,0°	14495.8
75,0°	11294.0
80,0°	7115.8
85,0°	2150.3

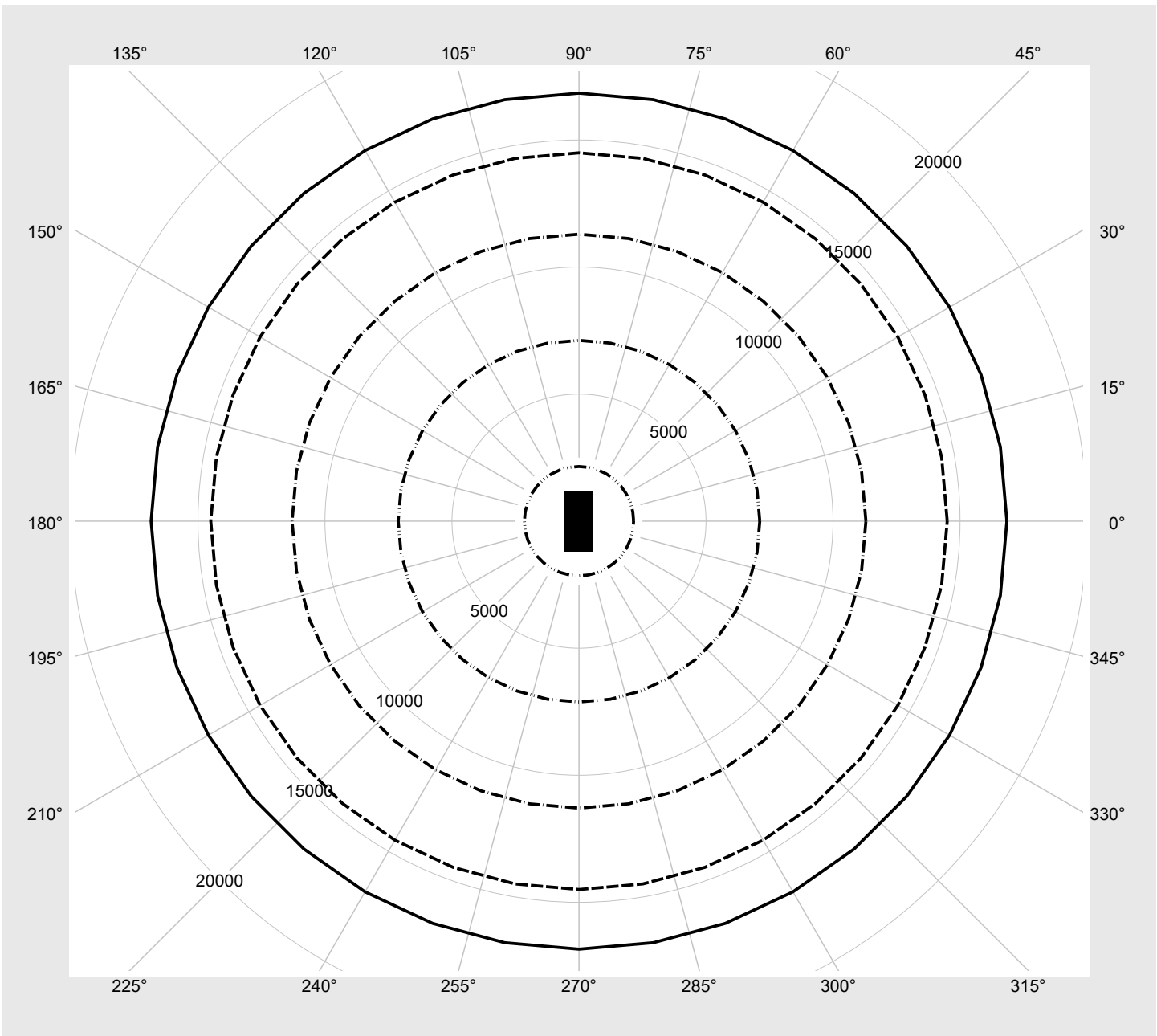
Photometric test report

Family
Highbay 11 Xtreme

Order number: 51HF61DA4MMA
EAN: 4058352919750

LP number
59307_20

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



Photometric test report

Family Highbay 11 Xtreme	Order number: 51HF61DA4MMA EAN: 4058352919750	LP number 59307_20
------------------------------------	----------------------------------------------------------------	------------------------------

siteco

Dimming levels table environmental temperature: 25°C

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	31500	170.8
95	240	252	29889	161.2
90	227	250	28363	151.0
85	213	248	26723	142.3
80	200	245	25198	133.4
75	187	243	23658	124.3
70	174	240	22107	115.2
65	160	237	20421	105.8
60	147	234	18845	97.1
55	135	231	17380	89.6
50	122	227	15762	80.8
45	109	223	14140	72.5
40	97	219	12632	64.4
35	84	213	10983	56.2
30	72	208	9448	48.0
25	60	201	7901	40.7
20	48	193	6342	32.6
15	36	182	4769	25.2
10	24	168	3183	17.5
5	12	142	1582	9.9
2	5	110	643	5.6

Dimming levels table environmental temperature: 60°C

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	30290	168.2
95	240	252	28747	158.7
90	227	250	27284	148.6
85	213	248	25711	140.1
80	200	245	24249	131.3
75	187	243	22771	122.3
70	173	240	21168	112.8
65	160	237	19664	104.1
60	147	234	18149	95.5
55	134	231	16623	87.7
50	122	227	15185	79.5
45	109	223	13625	71.4
40	97	219	12173	63.3
35	84	213	10586	55.3
30	72	208	9109	47.2
25	60	201	7618	40.1
20	48	193	6115	32.1
15	36	182	4599	24.7
10	24	168	3070	17.2
5	12	142	1527	9.8
2	5	110	620	5.5

Photometric test report

Family Highbay 11 Xtreme	Order number: 51HF61DA4MMA EAN: 4058352919750	LP number 59307_20
------------------------------------	----------------------------------------------------------------	-------------------------------------

Luminousfluxs table	siteco
----------------------------	---------------

Temperature °C	Luminous flux lm	Power consumption W
25.0	31500.0	170.8
60.0	30290.0	168.2