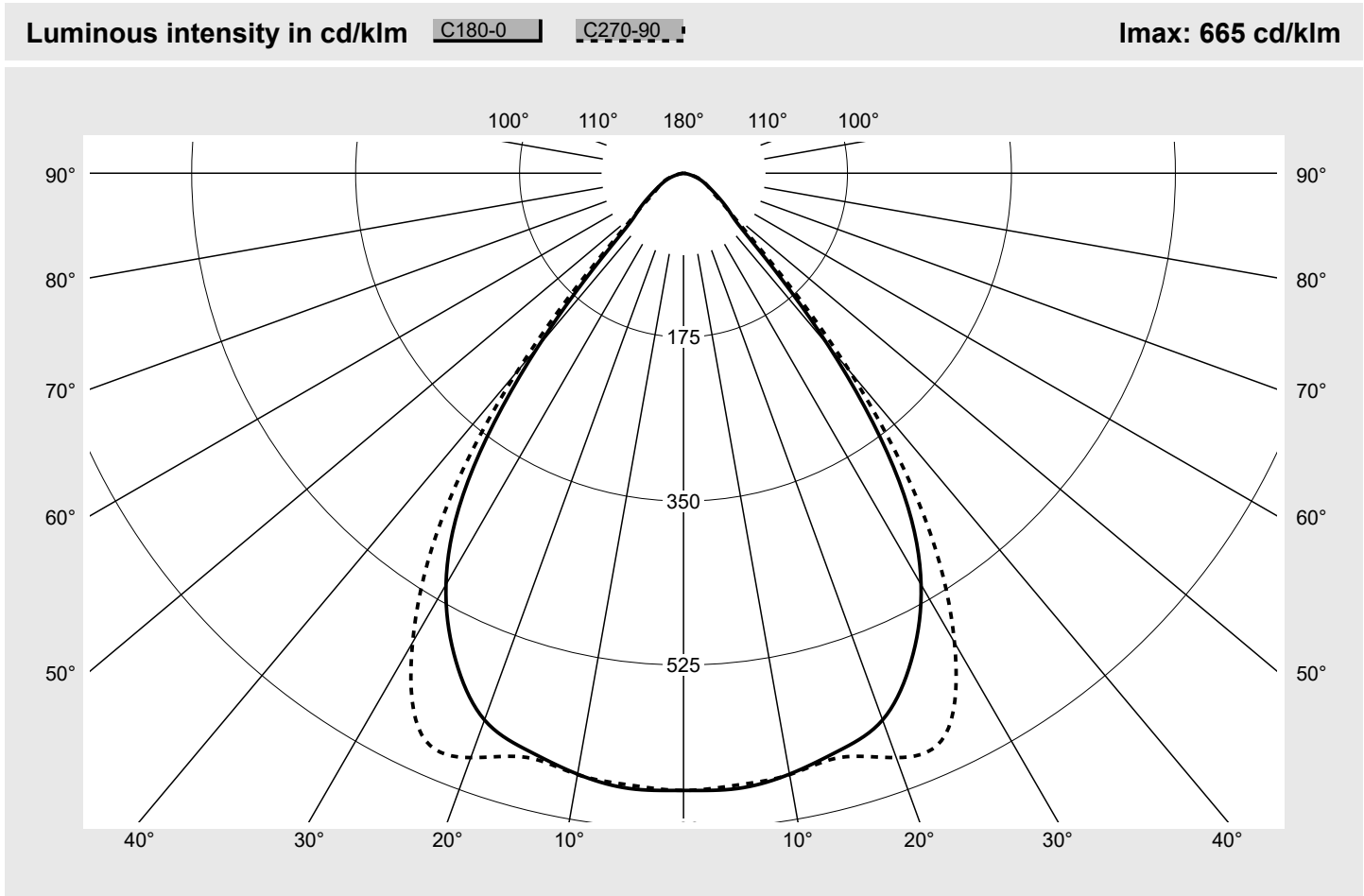


Photometric test report

Family Highbay 11 Xtreme	Order number: 51HF62DA4MMA EAN: 4058352919859	LP number 59481_20
	Version	wide distribution, toughened safety glass, chain suspension
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 31100 lm Power consumption = 170.9 W Luminous efficacy = 182 lm/W
		serial documentation 15.06.2026
		



Classifications		Luminaire light output ratios	
DIN 5040	A 6 0	η_{LB}	100.0%
CIE	N1=83 N2=96 N3=100	ϕ_u	100.0%
	N4=100 N5=100	ϕ_o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Highbay 11 Xtreme	Order number: 51HF62DA4MMA EAN: 4058352919859	LP number 59481_20
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	658.9	658.9	658.9	658.9	658.9	658.9	658.9	3.9	3.9
5°	659.4	658.0	657.6	657.5	656.3	656.4	655.7	31.4	35.3
10°	651.4	650.9	652.2	654.2	654.0	653.1	651.9	62.1	97.5
15°	638.5	638.9	644.0	649.4	650.3	647.7	645.7	91.6	189.0
20°	621.1	623.4	633.8	648.8	662.5	665.0	663.9	121.1	310.1
25°	574.8	581.6	605.3	632.9	653.3	661.4	661.4	144.9	455.0
30°	507.1	516.1	549.5	579.4	585.2	579.5	578.4	153.1	608.1
35°	401.0	412.8	459.3	493.1	482.7	458.1	448.6	143.1	751.2
40°	241.2	257.9	312.8	355.4	335.4	297.6	275.9	106.7	858.0
45°	104.4	112.7	137.4	158.8	151.2	131.0	122.3	52.0	909.9
50°	64.5	64.2	65.8	69.0	66.2	63.4	64.8	27.5	937.5
55°	46.7	46.0	43.6	42.3	40.8	40.9	42.1	19.3	956.8
60°	33.4	31.7	30.6	30.2	31.1	31.3	32.1	14.9	971.6
65°	24.6	23.1	22.4	22.7	24.0	23.8	25.6	11.7	983.3
70°	17.3	16.4	15.6	16.8	17.7	18.3	19.2	8.8	992.2
75°	9.4	9.7	9.3	10.5	10.4	10.4	11.2	5.3	997.5
80°	3.2	3.3	3.5	4.0	4.3	4.4	4.5	2.1	999.6
85°	0.5	0.5	0.5	0.6	0.8	1.0	1.1	0.4	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

Photometric test report

Family Highbay 11 Xtreme			Order number: 51HF62DA4MMA EAN: 4058352919859							LP number 59481_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	22.6	23.9	22.9	24.2	24.5	23.0	24.4	23.4	24.7	25.0
	3H	22.8	23.9	23.2	24.3	24.6	23.2	24.4	23.6	24.7	25.1
	4H	22.8	23.9	23.2	24.3	24.6	23.3	24.4	23.7	24.7	25.1
	6H	22.8	23.8	23.2	24.2	24.6	23.3	24.3	23.7	24.7	25.1
	8H	22.9	23.7	23.3	24.1	24.5	23.4	24.2	23.8	24.6	25.0
	12H	22.8	23.6	23.3	24.0	24.4	23.3	24.1	23.8	24.5	24.9
4H	2H	22.6	23.6	23.0	24.0	24.4	23.0	24.1	23.4	24.4	24.8
	3H	22.8	23.7	23.3	24.1	24.5	23.3	24.2	23.7	24.6	25.0
	4H	22.9	23.7	23.4	24.1	24.6	23.4	24.2	23.8	24.6	25.0
	6H	22.9	23.6	23.4	24.0	24.5	23.4	24.1	23.9	24.5	25.0
	8H	22.9	23.5	23.4	24.0	24.4	23.4	24.0	23.9	24.5	24.9
	12H	22.9	23.4	23.4	23.9	24.4	23.4	23.9	23.9	24.4	24.9
8H	4H	22.9	23.5	23.4	24.0	24.4	23.4	24.0	23.8	24.4	24.9
	6H	22.9	23.4	23.4	23.9	24.4	23.4	23.9	23.9	24.4	24.9
	8H	22.9	23.3	23.4	23.8	24.3	23.4	23.8	23.9	24.3	24.8
	12H	22.9	23.2	23.4	23.7	24.3	23.4	23.7	23.9	24.2	24.8
12H	4H	22.9	23.4	23.4	23.9	24.4	23.4	23.9	23.9	24.3	24.8
	6H	22.9	23.3	23.4	23.8	24.3	23.4	23.8	23.9	24.3	24.8
	8H	22.9	23.2	23.4	23.7	24.3	23.4	23.7	23.9	24.2	24.8

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 545 B = 235	
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Luminance in cd/m²						
45°	35836.4	38688.1	47187.8	54543.2	51915.1	44988.2	42013.6
50°	24362.4	24242.3	24838.8	26075.3	25006.9	23968.8	24483.0
55°	19788.0	19473.5	18459.1	17896.9	17287.3	17335.1	17804.2
60°	16214.5	15411.7	14879.9	14679.8	15086.3	15218.4	15569.5
65°	14134.0	13256.6	12856.1	13027.9	13809.9	13687.6	14698.2
70°	12298.9	11670.6	11051.5	11909.2	12597.1	12969.9	13654.3
75°	8795.7	9098.8	8692.5	9866.2	9782.7	9780.8	10492.0
80°	4490.2	4658.0	4913.9	5583.7	6074.6	6182.2	6358.4
85°	1498.9	1432.1	1446.0	1713.5	2245.6	2724.8	3106.5

Photometric test report

Family
Highbay 11 Xtreme

Order number: 51HF62DA4MMA
EAN: 4058352919859

LP number
59481_20

Luminance values in cd/m²

γ 65°

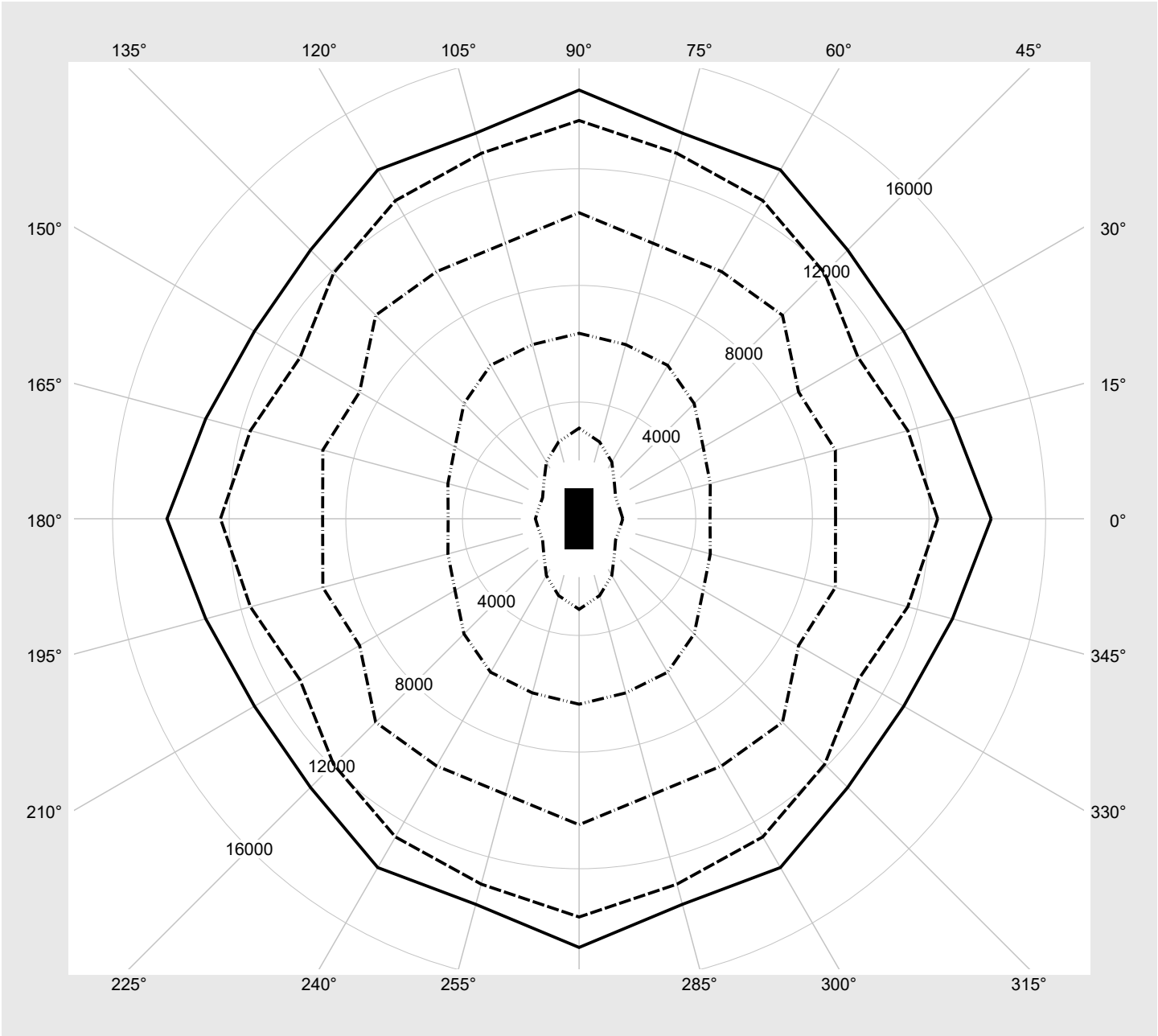
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Highbay 11 Xtreme	Order number: 51HF62DA4MMA EAN: 4058352919859	LP number 59481_20
Dimming levels table		environmental temperature: 25°C

siteco

Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	31100	170.9
95	240	252	29509	161.3
90	227	250	28003	151.1
85	213	248	26384	142.4
80	200	245	24878	133.5
75	187	243	23357	124.4
70	174	240	21826	115.3
65	160	237	20162	105.8
60	147	234	18606	97.2
55	135	231	17159	89.7
50	122	227	15562	80.8
45	109	223	13961	72.5
40	97	219	12472	64.5
35	84	213	10843	56.3
30	72	208	9329	48.0
25	60	201	7801	40.8
20	48	193	6262	32.6
15	36	182	4708	25.2
10	24	168	3142	17.5
5	12	142	1562	10.0
2	5	110	635	5.6

Dimming levels table		environmental temperature: 60°C
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Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	29910	168.3
95	240	252	28387	158.8
90	227	250	26942	148.7
85	213	248	25389	140.2
80	200	245	23945	131.4
75	187	243	22485	122.4
70	173	240	20902	112.9
65	160	237	19418	104.1
60	147	234	17922	95.6
55	134	231	16414	87.7
50	122	227	14995	79.5
45	109	223	13454	71.4
40	97	219	12021	63.4
35	84	213	10453	55.4
30	72	208	8995	47.2
25	60	201	7523	40.1
20	48	193	6039	32.1
15	36	182	4541	24.7
10	24	168	3032	17.2
5	12	142	1508	9.8
2	5	110	612	5.5

Photometric test report

Family Highbay 11 Xtreme	Order number: 51HF62DA4MMA EAN: 4058352919859	LP number 59481_20
Luminousfluxs table		siteco

Temperature °C	Luminous flux lm	Power consumption W
25.0	31100.0	170.9
60.0	29910.0	168.3