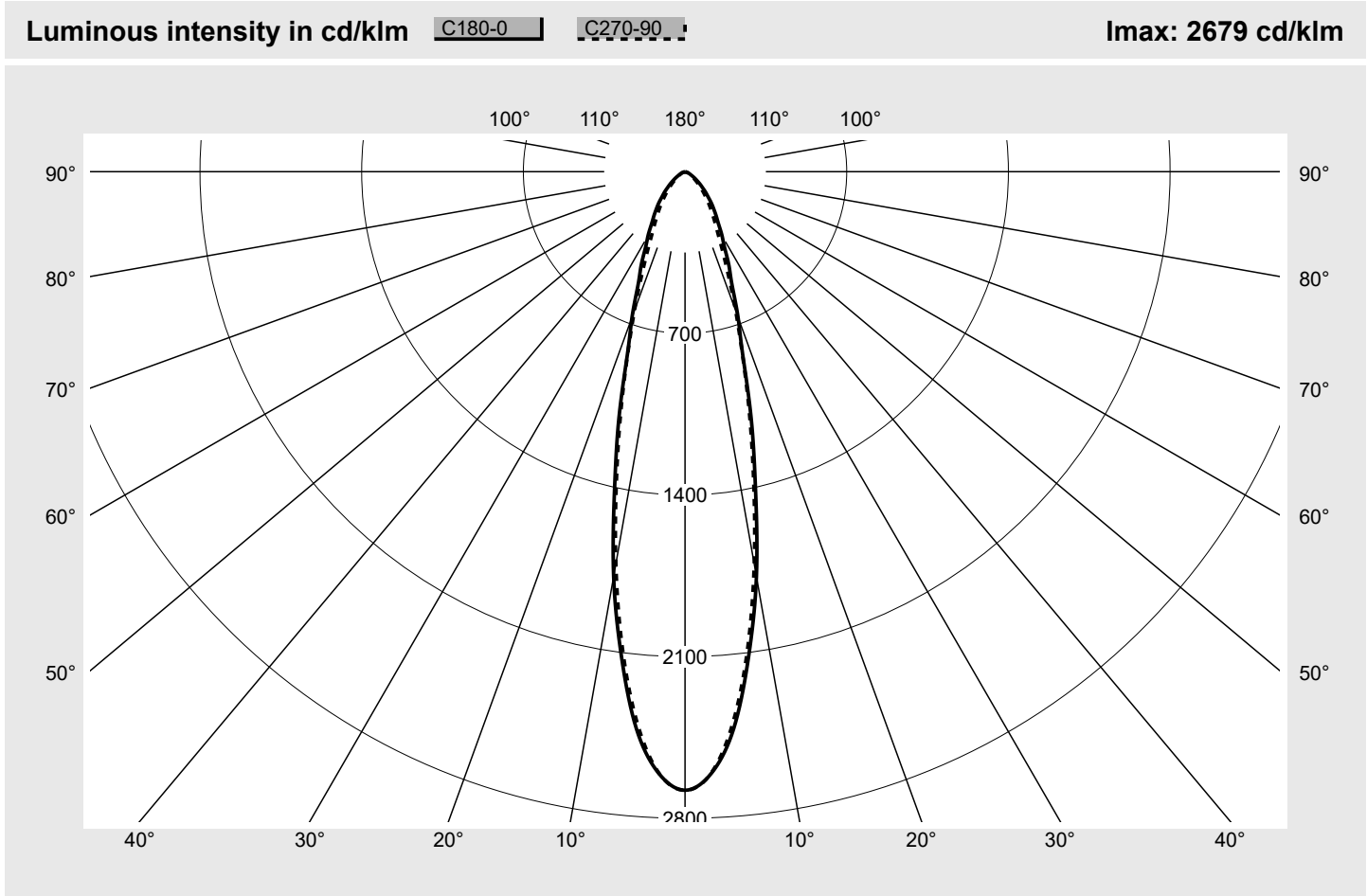


Photometric test report

Family Highbay 11	Order number: 51HN11DA3FLA EAN: 4069025424044	LP number 59711_387
	Version	primary light control with lens, PMMA, housing, white, for Licross® rail, narrow distribution
	Lamps	LED 3000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 14260 lm Power consumption = 73.2 W Luminous efficacy = 194.8 lm/W
		serial documentation 09.04.2025
		



Classifications		Luminaire light output ratios	
DIN 5040	A 7 0	η_{LB}	100.0%
CIE	N1=85 N2=97 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	Order number: 51HN11DA3FLA EAN: 4069025424044	LP number 59711_387
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	
0,0°	2678.6	2678.6	2678.6	2678.6	2678.6	2678.6	2678.6	4.0	4.0
2,5°	2608.0	2619.4	2619.4	2616.5	2617.6	2616.2	2606.1	31.3	35.3
5,0°	2420.1	2415.7	2414.1	2408.4	2406.6	2402.3	2391.7	57.6	92.8
7,5°	2113.4	2116.1	2112.3	2103.0	2097.6	2090.5	2079.6	75.2	168.1
10,0°	1780.1	1768.7	1762.7	1751.6	1743.6	1735.2	1724.7	83.4	251.5
12,5°	1410.1	1409.3	1404.7	1395.9	1388.1	1380.5	1373.1	82.8	334.3
15,0°	1106.5	1097.8	1095.0	1089.4	1083.1	1078.4	1073.9	77.3	411.5
17,5°	830.1	840.2	835.5	831.1	826.6	824.9	824.1	68.5	480.0
20,0°	671.1	661.9	651.8	643.2	639.9	639.4	641.0	60.8	540.8
22,5°	531.9	530.5	514.2	498.9	497.0	496.6	496.8	53.4	594.2
25,0°	450.6	441.3	420.6	401.3	399.0	395.8	392.4	47.9	642.1
27,5°	370.8	368.7	351.4	331.7	326.8	321.1	316.0	43.1	685.2
30,0°	320.4	312.1	300.8	284.1	278.0	270.2	264.7	39.7	724.9
32,5°	271.0	266.8	259.0	245.6	238.0	229.0	224.7	36.5	761.4
35,0°	235.8	228.9	222.7	210.5	201.6	193.0	191.7	33.3	794.7
37,5°	204.4	197.8	191.5	181.1	172.0	164.3	162.4	30.3	825.0
40,0°	176.7	170.7	163.1	154.3	146.1	138.3	135.6	27.3	852.2
42,5°	147.6	145.5	138.6	130.6	123.2	115.8	113.3	24.2	876.4
45,0°	126.0	121.8	116.3	109.0	102.0	95.3	93.2	21.1	897.6
47,5°	103.2	101.5	97.1	90.9	84.6	78.4	76.7	18.3	915.9
50,0°	85.9	82.9	79.4	74.6	69.1	63.7	61.9	15.5	931.4
52,5°	69.0	67.2	64.5	61.0	56.2	51.6	49.7	13.0	944.4
55,0°	55.6	54.1	52.2	49.5	45.7	41.7	40.0	10.9	955.3
57,5°	43.6	43.1	41.8	39.8	37.0	33.6	32.2	9.0	964.3
60,0°	33.2	33.3	33.9	32.4	30.5	27.5	26.1	7.4	971.7
62,5°	25.9	26.0	27.0	26.2	25.1	22.4	21.3	6.1	977.8
65,0°	21.6	21.2	21.7	21.3	20.9	18.8	17.7	5.1	982.9
67,5°	17.0	17.1	17.8	17.0	17.3	15.6	14.8	4.3	987.2
70,0°	13.5	13.4	14.4	13.6	14.1	13.0	12.4	3.5	990.7
72,5°	11.0	10.8	10.9	10.9	11.0	10.7	10.6	2.8	993.5
75,0°	9.0	8.4	8.4	8.3	8.6	9.0	8.9	2.3	995.8
77,5°	6.6	6.4	6.2	6.2	6.6	7.3	7.4	1.8	997.5
80,0°	4.4	4.2	4.1	4.2	4.7	5.7	5.8	1.3	998.8
82,5°	2.0	2.1	2.2	2.4	3.0	3.9	4.1	0.8	999.6
85,0°	0.8	0.8	0.8	1.0	1.5	2.2	2.4	0.4	999.9
87,5°	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.1	1000.0
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

Photometric test report

Family Highbay 11	Order number: 51HN11DA3FLA EAN: 4069025424044	LP number 59711_387
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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	18.7	19.9	19.1	20.2	20.5	17.5	18.7	17.9	19.0	19.3
	3H	19.0	20.0	19.3	20.3	20.7	17.8	18.9	18.2	19.2	19.5
	4H	19.0	20.0	19.4	20.3	20.7	18.0	18.9	18.4	19.3	19.6
	6H	19.1	19.9	19.5	20.3	20.7	18.1	18.9	18.5	19.3	19.7
	8H	19.1	19.9	19.6	20.2	20.6	18.2	18.9	18.6	19.3	19.7
	12H	19.1	19.8	19.5	20.2	20.6	18.2	18.9	18.7	19.3	19.7
4H	2H	18.8	19.7	19.2	20.1	20.5	17.7	18.7	18.1	19.0	19.4
	3H	19.1	19.9	19.5	20.3	20.7	18.1	18.9	18.6	19.3	19.7
	4H	19.2	19.9	19.7	20.3	20.8	18.3	19.0	18.8	19.4	19.9
	6H	19.3	19.9	19.8	20.3	20.8	18.5	19.1	19.0	19.5	20.0
	8H	19.3	19.8	19.8	20.2	20.7	18.6	19.1	19.1	19.6	20.0
	12H	19.3	19.7	19.8	20.2	20.7	18.7	19.1	19.1	19.6	20.1
8H	4H	19.2	19.7	19.7	20.2	20.7	18.3	18.9	18.8	19.3	19.8
	6H	19.3	19.7	19.8	20.2	20.7	18.6	19.0	19.1	19.5	20.0
	8H	19.3	19.6	19.8	20.1	20.7	18.7	19.0	19.2	19.5	20.1
	12H	19.2	19.5	19.8	20.0	20.6	18.7	19.0	19.3	19.6	20.1
12H	4H	19.2	19.6	19.7	20.1	20.6	18.3	18.8	18.8	19.2	19.7
	6H	19.3	19.6	19.8	20.1	20.6	18.6	18.9	19.1	19.4	19.9
	8H	19.2	19.5	19.8	20.1	20.6	18.7	19.0	19.2	19.5	20.0

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 426 B = 264	
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						
45,0°	22591.8	21837.6	20853.8	19549.5	18290.7	17094.1	16711.4
50,0°	16936.3	16346.7	15654.3	14724.8	13620.8	12557.2	12201.7
55,0°	12289.1	11956.4	11542.1	10942.6	10099.7	9218.7	8848.2
60,0°	8431.7	8440.8	8597.8	8214.4	7725.9	6970.5	6622.6
65,0°	6473.6	6364.4	6508.7	6403.4	6268.1	5633.0	5324.5
70,0°	5015.6	4955.1	5323.3	5027.1	5216.9	4802.8	4590.0
75,0°	4396.9	4126.4	4135.8	4079.9	4209.2	4389.0	4381.2
80,0°	3207.7	3088.7	2987.9	3042.0	3399.0	4127.8	4211.7
85,0°	1187.1	1172.6	1226.4	1386.4	2128.4	3133.7	3551.2

Photometric test report

Family
Highbay 11

Order number: 51HN11DA3FLA
EAN: 4069025424044

LP number
59711_387

Luminance values in cd/m²

γ 65°

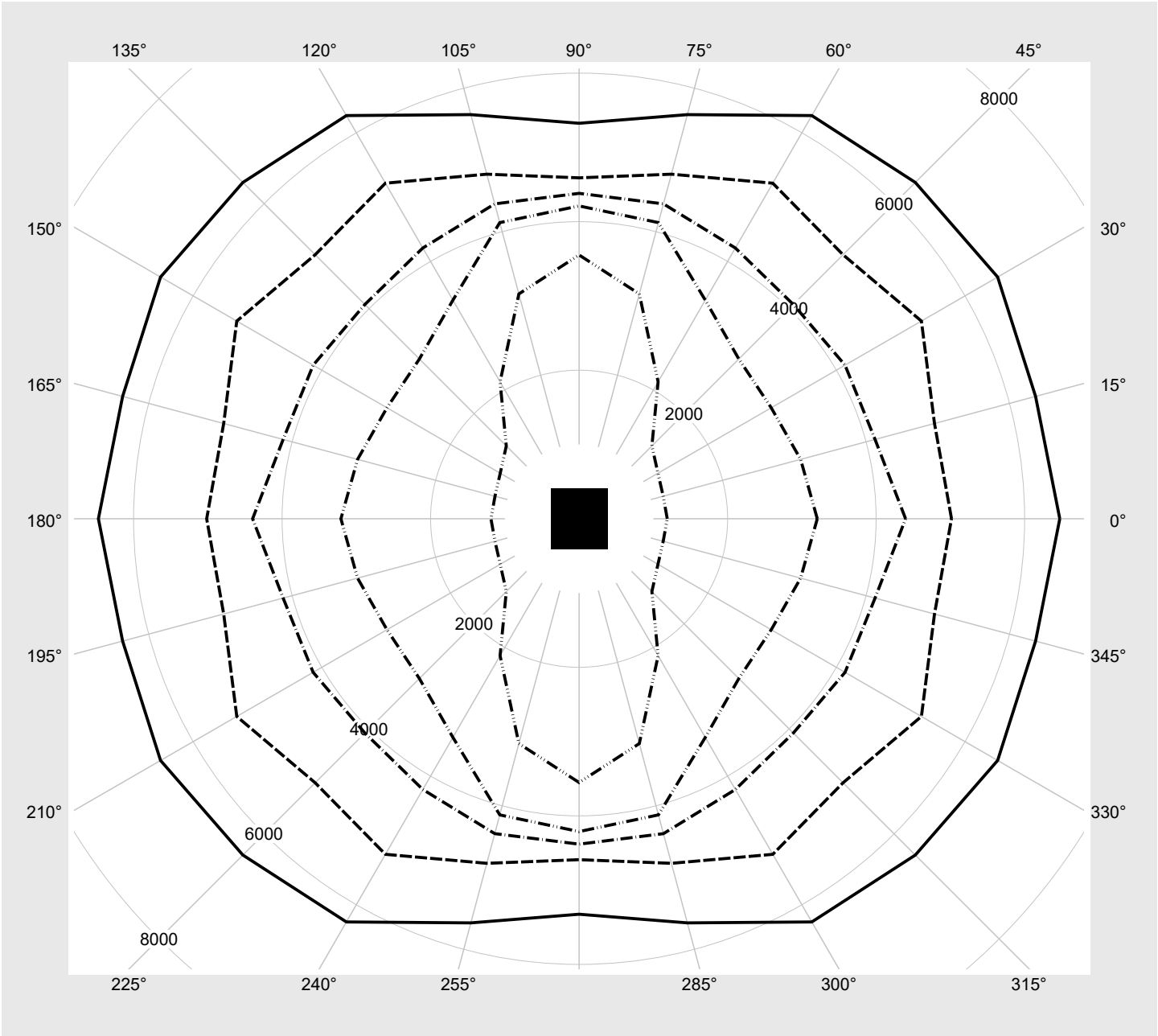
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Highbay 11	Order number: 51HN11DA3FLA EAN: 4069025424044	LP number 59711_387
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	14260	73.2
95	241	252	13561	69.3
90	228	250	12861	65.5
85	214	248	12105	61.5
80	201	245	11394	57.7
75	188	243	10686	53.8
70	175	240	9972	50.1
65	162	238	9250	46.4
60	149	234	8529	42.7
55	137	231	7858	39.2
50	124	228	7126	35.6
45	111	224	6394	31.9
40	99	219	5715	28.6
35	86	214	4969	24.9
30	74	209	4282	21.7
25	62	202	3590	18.3
20	49	194	2833	14.8
15	37	183	2134	11.5
10	25	169	1431	8.2
5	13	145	720	4.7
2	5	110	247	2.5