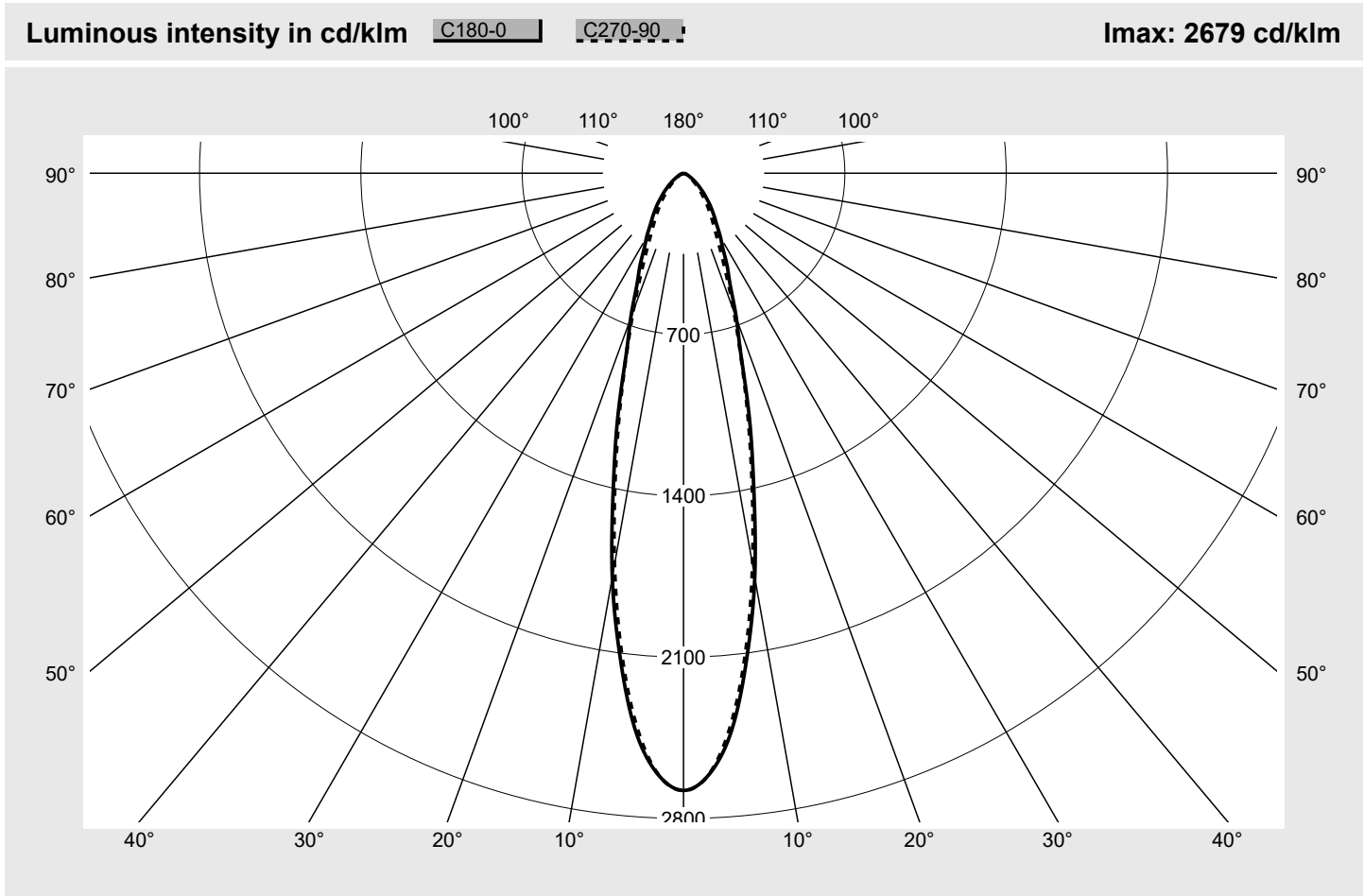


Photometric test report

Family Highbay 11	Order number: 51HN11DB4VDA EAN: 4069025231413	LP number 59711_224
	Version primary light control with lens, PMMA, housing, white, narrow distribution	serial documentation 14.02.2025
	Lamps LED 4000 K CRI ≥ 80	
	Controlgear ECG-DALI	
	Setting DC mode (central or group accumulator) initial emergency light level	
	Rated values Net luminous flux = 9070 lm Power consumption = 44.6 W Luminous efficacy = 203.4 lm/W	





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: 51HN11DB4VDA EAN: 4069025231413	LP number 59711_224
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: 51HN11DB4VDA EAN: 4069025231413							LP number 59711_224	
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
Reflection factor of walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3
Reflection factor of floor		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	14.7	15.9	15.1	16.2	16.5	13.5	14.7	13.9	15.0
	3H	15.0	16.0	15.4	16.3	16.7	13.8	14.9	14.2	15.2
	4H	15.1	16.0	15.5	16.3	16.7	14.0	14.9	14.4	15.3
	6H	15.1	15.9	15.5	16.3	16.7	14.1	15.0	14.5	15.3
	8H	15.2	15.9	15.6	16.3	16.7	14.2	15.0	14.7	15.3
	12H	15.1	15.8	15.6	16.2	16.6	14.2	14.9	14.7	15.3
4H	2H	14.8	15.7	15.2	16.1	16.5	13.7	14.7	14.1	15.0
	3H	15.1	15.9	15.5	16.3	16.7	14.1	14.9	14.6	15.3
	4H	15.2	15.9	15.7	16.3	16.8	14.3	15.0	14.8	15.4
	6H	15.3	15.9	15.8	16.3	16.8	14.5	15.1	15.0	15.6
	8H	15.3	15.8	15.8	16.3	16.7	14.6	15.1	15.1	15.6
	12H	15.3	15.7	15.8	16.2	16.7	14.7	15.1	15.2	15.6
8H	4H	15.2	15.7	15.7	16.2	16.7	14.4	14.9	14.8	15.3
	6H	15.3	15.7	15.8	16.2	16.7	14.6	15.0	15.1	15.5
	8H	15.3	15.7	15.8	16.1	16.7	14.7	15.1	15.2	15.5
	12H	15.3	15.6	15.8	16.1	16.6	14.8	15.1	15.3	15.6
12H	4H	15.2	15.6	15.7	16.1	16.6	14.4	14.8	14.8	15.2
	6H	15.3	15.6	15.8	16.1	16.7	14.6	14.9	15.1	15.4
	8H	15.3	15.6	15.8	16.1	16.6	14.7	15.0	15.2	15.5

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 852 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°	7184.7	6944.8	6632.0	6217.2	5816.8	5436.3	5314.6
50,0°	5386.1	5198.6	4978.4	4682.8	4331.7	3993.5	3880.4
55,0°	3908.2	3802.4	3670.6	3480.0	3211.9	2931.8	2813.9
60,0°	2681.5	2684.4	2734.3	2612.4	2457.0	2216.8	2106.1
65,0°	2058.8	2024.0	2069.9	2036.4	1993.4	1791.4	1693.3
70,0°	1595.1	1575.8	1692.9	1598.7	1659.1	1527.4	1459.7
75,0°	1398.3	1312.3	1315.3	1297.5	1338.6	1395.8	1393.3
80,0°	1020.1	982.3	950.2	967.4	1081.0	1312.7	1339.4
85,0°	377.5	372.9	390.0	440.9	676.9	996.6	1129.4

Photometric test report

Family
Highbay 11

Order number: 51HN11DB4VDA
EAN: 4069025231413

LP number
59711_224

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

