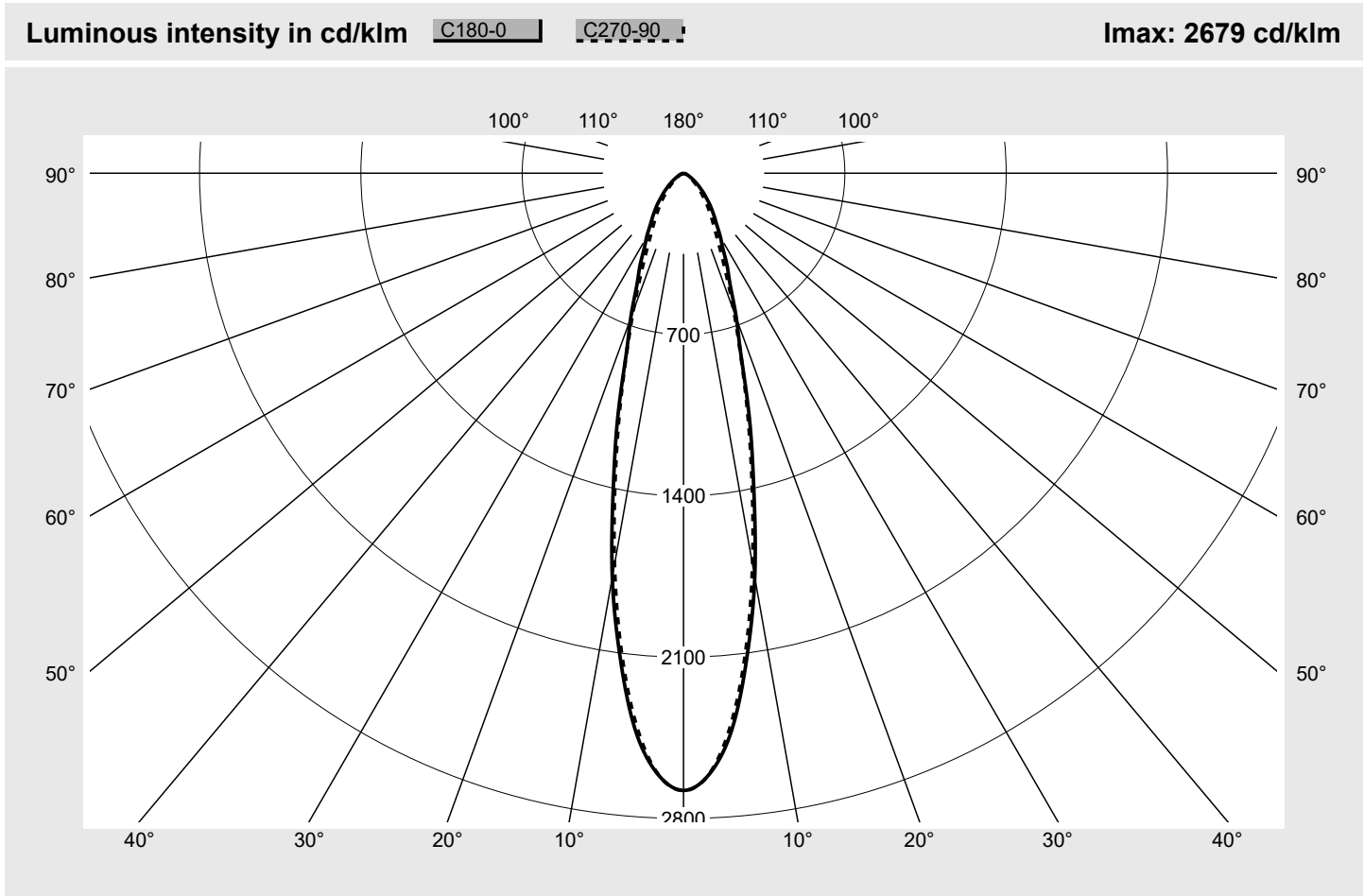


Photometric test report

Family Highbay 11	Order number: 51HN11DBDLDA EAN: 4069025444936	LP number 59711_455
	Version	primary light control with lens, PMMA, housing, white, narrow distribution
	Lamps	LED 4000 K CRI ≥ 90
	Controlgear	ECG-DALI
	Setting	DC mode (central or group accumulator) initial emergency light level
	Rated values	Net luminous flux = 4240 lm Power consumption = 21.9 W Luminous efficacy = 193.6 lm/W
		serial documentation 26.05.2025
		



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: 51HN11DBDLDA EAN: 4069025444936	LP number 59711_455
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: 51HN11DBDLDA EAN: 4069025444936	LP number 59711_455
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	12.1	13.3	12.5	13.6	13.9	10.9	12.1	11.3	12.4	12.7
	3H	12.3	13.4	12.7	13.7	14.1	11.2	12.2	11.6	12.6	12.9
	4H	12.4	13.4	12.8	13.7	14.1	11.3	12.3	11.7	12.6	13.0
	6H	12.5	13.3	12.9	13.7	14.1	11.5	12.3	11.9	12.7	13.1
	8H	12.5	13.2	12.9	13.6	14.0	11.6	12.3	12.0	12.7	13.1
	12H	12.5	13.1	12.9	13.5	14.0	11.6	12.3	12.0	12.7	13.1
4H	2H	12.2	13.1	12.6	13.5	13.8	11.1	12.0	11.5	12.4	12.8
	3H	12.5	13.3	12.9	13.6	14.1	11.5	12.3	11.9	12.7	13.1
	4H	12.6	13.3	13.0	13.7	14.1	11.7	12.4	12.1	12.8	13.2
	6H	12.7	13.2	13.1	13.7	14.2	11.9	12.5	12.4	12.9	13.4
	8H	12.7	13.2	13.1	13.6	14.1	12.0	12.5	12.5	12.9	13.4
	12H	12.6	13.1	13.1	13.5	14.0	12.0	12.5	12.5	12.9	13.4
8H	4H	12.6	13.1	13.1	13.5	14.0	11.7	12.2	12.2	12.7	13.2
	6H	12.7	13.1	13.2	13.6	14.1	12.0	12.4	12.5	12.8	13.4
	8H	12.6	13.0	13.2	13.5	14.0	12.0	12.4	12.6	12.9	13.4
	12H	12.6	12.9	13.1	13.4	14.0	12.1	12.4	12.6	12.9	13.5
12H	4H	12.6	13.0	13.1	13.5	14.0	11.7	12.1	12.2	12.6	13.1
	6H	12.6	13.0	13.2	13.5	14.0	11.9	12.3	12.5	12.8	13.3
	8H	12.6	12.9	13.1	13.4	14.0	12.0	12.3	12.6	12.8	13.4

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°	3358.7	3246.5	3100.3	2906.4	2719.2	2541.3	2484.4
50,0°	2517.9	2430.2	2327.3	2189.1	2025.0	1866.8	1814.0
55,0°	1827.0	1777.5	1715.9	1626.8	1501.5	1370.5	1315.4
60,0°	1253.5	1254.9	1278.2	1221.2	1148.6	1036.3	984.6
65,0°	962.4	946.2	967.6	952.0	931.9	837.4	791.6
70,0°	745.7	736.7	791.4	747.4	775.6	714.0	682.4
75,0°	653.7	613.5	614.9	606.6	625.8	652.5	651.3
80,0°	476.9	459.2	444.2	452.2	505.3	613.7	626.1
85,0°	176.5	174.3	182.3	206.1	316.4	465.9	528.0

Photometric test report

Family
Highbay 11

Order number: 51HN11DBDLDA
EAN: 4069025444936

LP number
59711_455

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

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