
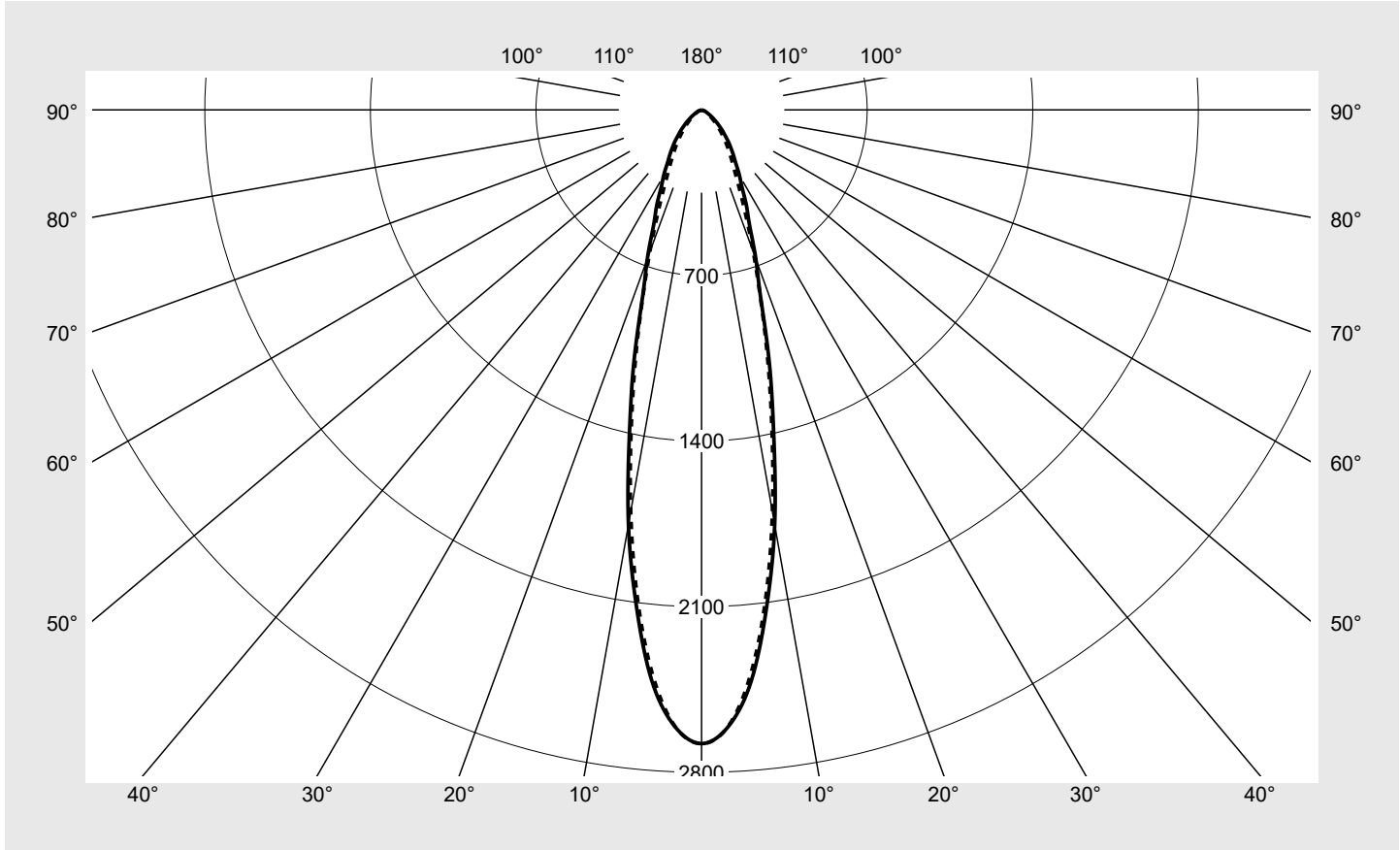


Photometric test report

Family Highbay 11	Order number: 51HN11DADKDA EAN: 4069025444929	LP number 59711_453
	Version primary light control with lens, PMMA, housing, white, narrow distribution	serial documentation 26.05.2025
	Lamps LED 4000 K CRI ≥ 90	
	Controlgear ECG-DALI	Setting DC mode (central or group accumulator) initial emergency light level
	Rated values	
Rated values		Net luminous flux = 4020 lm Power consumption = 21.5 W Luminous efficacy = 187 lm/W



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 2679 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=85 N2=97 N3=100 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

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Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
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

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UGR-Table	Standard room	siteco	
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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	14.3	15.5	14.7	15.8	16.1	13.1	14.3	13.5	14.6	14.9
	3H	14.6	15.6	14.9	15.9	16.3	13.4	14.5	13.8	14.8	15.1
	4H	14.6	15.6	15.0	15.9	16.3	13.6	14.5	14.0	14.9	15.2
	6H	14.7	15.5	15.1	15.9	16.3	13.7	14.5	14.1	14.9	15.3
	8H	14.7	15.5	15.2	15.8	16.2	13.8	14.5	14.2	14.9	15.3
	12H	14.7	15.4	15.1	15.8	16.2	13.8	14.5	14.3	14.9	15.3
4H	2H	14.4	15.3	14.8	15.7	16.1	13.3	14.3	13.7	14.6	15.0
	3H	14.7	15.5	15.1	15.9	16.3	13.7	14.5	14.2	14.9	15.3
	4H	14.8	15.5	15.3	15.9	16.4	13.9	14.6	14.4	15.0	15.5
	6H	14.9	15.5	15.4	15.9	16.4	14.1	14.7	14.6	15.1	15.6
	8H	14.9	15.4	15.4	15.8	16.3	14.2	14.7	14.7	15.2	15.6
	12H	14.9	15.3	15.4	15.8	16.3	14.3	14.7	14.7	15.2	15.7
8H	4H	14.8	15.3	15.3	15.8	16.3	13.9	14.5	14.4	14.9	15.4
	6H	14.9	15.3	15.4	15.8	16.3	14.2	14.6	14.7	15.1	15.6
	8H	14.9	15.2	15.4	15.7	16.3	14.3	14.6	14.8	15.1	15.7
	12H	14.8	15.1	15.4	15.6	16.2	14.3	14.6	14.9	15.2	15.7
12H	4H	14.8	15.2	15.3	15.7	16.2	13.9	14.4	14.4	14.8	15.3
	6H	14.9	15.2	15.4	15.7	16.2	14.2	14.5	14.7	15.0	15.5
	8H	14.8	15.1	15.4	15.7	16.2	14.3	14.6	14.8	15.1	15.6

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 426 B = 264
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C-planes	γ	0° 180°	15°	30°	45°	60°	75°	90° 270°
			165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°	
Luminance in cd/m²								
45,0°		6368.8	6156.2	5878.8	5511.1	5156.3	4819.0	4711.1
50,0°		4774.5	4608.3	4413.1	4151.0	3839.8	3540.0	3439.7
55,0°		3464.4	3370.6	3253.8	3084.8	2847.2	2598.8	2494.4
60,0°		2377.0	2379.5	2423.8	2315.7	2178.0	1965.0	1866.9
65,0°		1825.0	1794.2	1834.9	1805.2	1767.0	1588.0	1501.0
70,0°		1413.9	1396.9	1500.7	1417.2	1470.7	1353.9	1293.9
75,0°		1239.5	1163.3	1165.9	1150.2	1186.6	1237.3	1235.1
80,0°		904.3	870.7	842.3	857.6	958.2	1163.6	1187.3
85,0°		334.7	330.6	345.7	390.8	600.0	883.4	1001.1

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Family
Highbay 11

Order number: 51HN11DADKDA
EAN: 4069025444929

LP number
59711_453

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

