
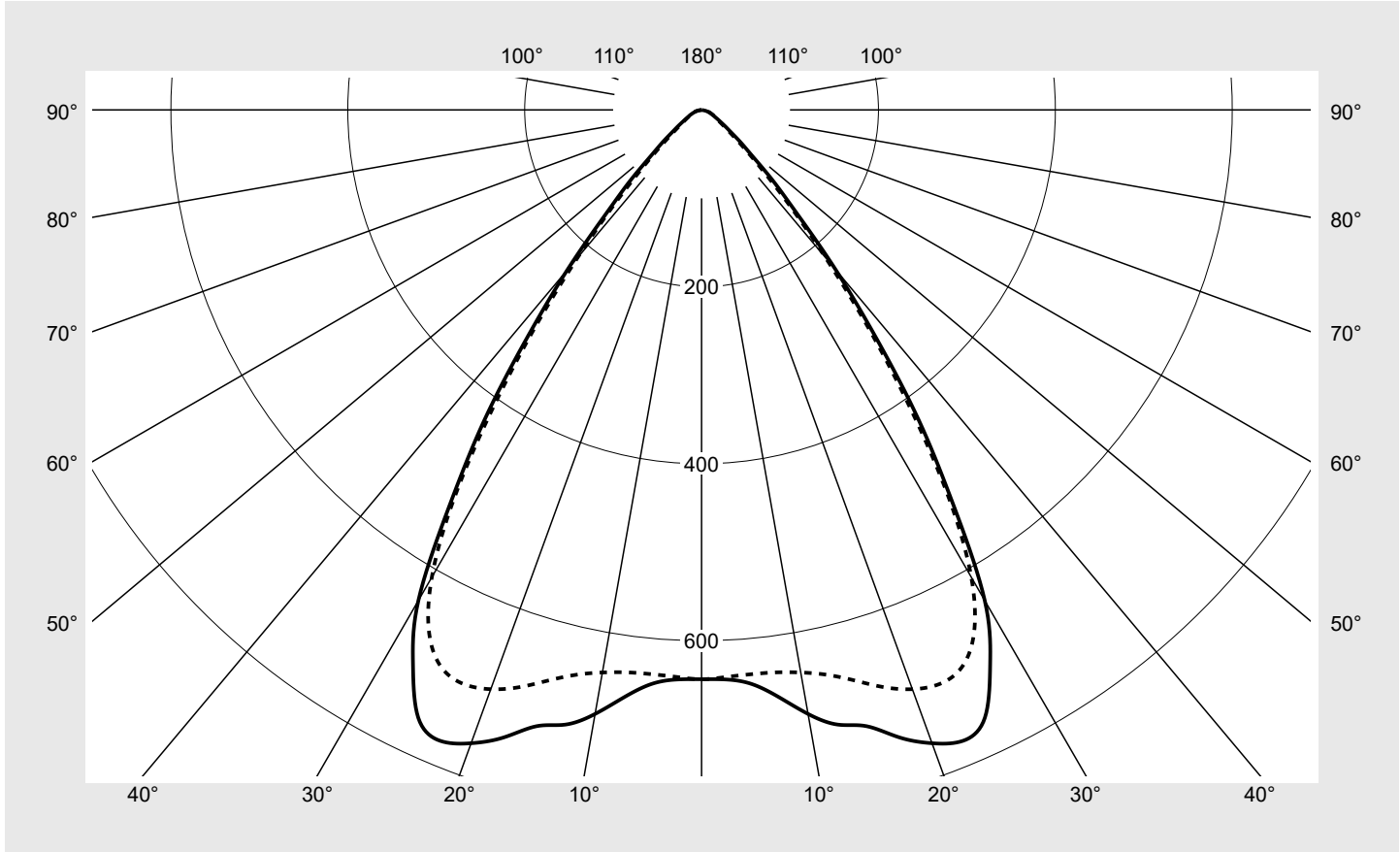


Photometric test report

Family Highbay 11	Order number: 51HN12DA6LDA EAN: 4069025424723	LP number 59710_447
	Version primary light control with lens, PMMA, housing, white, wide distribution Lamps LED 6500 K CRI ≥ 80 Controlgear ECG-DALI Setting DC mode (central or group accumulator) initial emergency light level Rated values Net luminous flux = 4280 lm Power consumption = 22.2 W Luminous efficacy = 192.8 lm/W	serial documentation 10.04.2025



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 772 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=88 N2=98 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

Photometric test report

Family Highbay 11	Order number: 51HN12DA6LDA EAN: 4069025424723	LP number 59710_447
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Total	
								Phi-zone	Phi-zone
Luminous intensity in cd/klm								Luminous flux in lm/klm	
0,0°	643.6	643.6	643.6	643.6	643.6	643.6	643.6	1.0	1.0
2,5°	644.5	645.1	645.0	644.3	644.2	643.7	641.7	7.7	8.7
5,0°	651.5	652.3	650.7	647.5	645.3	643.2	640.4	15.5	24.1
7,5°	669.6	669.1	664.2	657.2	651.2	645.8	641.3	23.5	47.6
10,0°	693.4	691.0	681.5	670.0	659.9	651.2	645.8	31.9	79.6
12,5°	711.8	709.4	700.3	685.9	671.9	660.7	654.0	40.7	120.2
15,0°	721.3	721.7	717.1	704.9	689.4	675.9	667.7	49.7	169.9
17,5°	743.8	740.8	737.9	726.5	708.9	693.0	684.2	59.4	229.3
20,0°	761.9	761.9	759.6	745.2	724.0	705.6	696.8	69.2	298.5
22,5°	772.0	771.2	770.0	754.7	731.1	710.8	702.6	78.2	376.7
25,0°	758.1	756.6	756.3	743.6	722.7	703.3	695.6	85.1	461.8
27,5°	706.7	709.5	709.5	700.0	685.7	672.3	667.0	87.8	549.7
30,0°	640.4	635.6	633.7	626.6	621.7	614.1	609.9	85.8	635.5
32,5°	530.6	537.6	535.6	526.2	530.2	524.1	520.8	78.1	713.6
35,0°	428.2	426.4	425.9	411.9	420.8	414.2	411.4	66.0	779.6
37,5°	322.5	323.4	327.0	311.0	319.4	310.8	308.2	53.0	832.6
40,0°	236.1	234.0	241.6	230.8	230.9	219.8	218.4	40.7	873.3
42,5°	162.3	165.3	172.9	171.1	161.7	151.3	150.8	30.2	903.5
45,0°	117.3	114.9	119.4	122.5	109.3	102.6	102.3	21.9	925.4
47,5°	80.5	81.4	82.8	85.5	75.2	71.4	70.8	15.9	941.3
50,0°	59.4	58.0	58.0	59.0	52.9	50.5	49.6	11.7	953.0
52,5°	43.3	42.8	42.8	43.0	39.3	37.2	36.6	8.9	961.8
55,0°	33.3	32.4	32.9	33.7	30.5	28.7	28.3	7.1	968.9
57,5°	25.9	25.4	25.9	26.8	24.5	22.9	22.9	5.8	974.7
60,0°	20.9	20.2	21.2	21.8	20.4	18.9	19.2	4.9	979.5
62,5°	16.9	16.2	17.4	18.0	17.2	15.9	16.4	4.1	983.6
65,0°	14.9	13.6	14.4	15.1	14.8	13.6	14.4	3.6	987.2
67,5°	12.3	11.4	12.5	12.4	13.0	11.7	12.6	3.1	990.3
70,0°	10.4	9.5	10.5	10.1	11.1	10.1	11.0	2.7	993.0
72,5°	8.2	7.7	7.9	8.2	8.7	8.6	9.5	2.2	995.2
75,0°	6.5	6.0	6.0	6.4	6.6	7.1	7.9	1.7	996.9
77,5°	4.5	4.3	4.4	4.7	5.1	5.6	6.3	1.3	998.2
80,0°	2.9	2.7	2.9	3.1	3.5	4.1	4.7	0.9	999.1
82,5°	1.3	1.4	1.6	1.8	2.2	2.7	3.3	0.5	999.7
85,0°	0.6	0.6	0.6	0.7	1.0	1.4	1.8	0.3	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: 51HN12DA6LDA EAN: 4069025424723	LP number 59710_447
----------------------	--	------------------------

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	15.6	16.9	15.9	17.2	17.5	15.3	16.6	15.6	16.9	17.2
	3H	15.6	16.7	15.9	17.0	17.4	15.3	16.4	15.7	16.8	17.1
	4H	15.6	16.6	16.0	17.0	17.3	15.3	16.4	15.7	16.7	17.1
	6H	15.5	16.5	15.9	16.8	17.2	15.3	16.3	15.7	16.6	17.0
	8H	15.6	16.4	16.0	16.8	17.2	15.4	16.2	15.9	16.6	17.0
	12H	15.6	16.3	16.0	16.7	17.1	15.4	16.2	15.9	16.5	17.0
4H	2H	15.5	16.5	15.9	16.9	17.2	15.2	16.2	15.6	16.6	16.9
	3H	15.5	16.4	15.9	16.7	17.2	15.2	16.1	15.7	16.5	16.9
	4H	15.5	16.3	15.9	16.7	17.1	15.3	16.1	15.7	16.5	16.9
	6H	15.5	16.1	15.9	16.6	17.0	15.3	16.0	15.8	16.4	16.9
	8H	15.4	16.0	15.9	16.5	17.0	15.3	15.9	15.8	16.4	16.9
	12H	15.5	15.9	16.0	16.4	16.9	15.4	15.9	15.9	16.3	16.8
8H	4H	15.4	16.0	15.9	16.5	16.9	15.2	15.8	15.7	16.3	16.7
	6H	15.4	15.9	15.9	16.4	16.9	15.3	15.8	15.8	16.2	16.7
	8H	15.4	15.8	15.9	16.3	16.8	15.3	15.7	15.8	16.2	16.7
	12H	15.4	15.7	15.9	16.2	16.7	15.3	15.6	15.9	16.2	16.7
12H	4H	15.4	15.9	15.9	16.4	16.9	15.2	15.7	15.7	16.2	16.7
	6H	15.4	15.8	15.9	16.3	16.8	15.3	15.7	15.8	16.1	16.7
	8H	15.4	15.7	15.9	16.2	16.7	15.3	15.6	15.8	16.1	16.7

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 426 B = 264
-----------------	---------------------------------	-------------------------------	--------------------

C-planes	γ	Luminance in cd/m ²								
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°		
45,0°		6314.5	6183.0	6427.1	6591.8	5880.8	5521.5	5505.3		
50,0°		3518.2	3435.0	3431.4	3492.7	3134.1	2988.3	2937.0		
55,0°		2211.0	2151.9	2182.6	2232.7	2025.3	1903.8	1880.9		
60,0°		1590.2	1535.1	1613.0	1661.4	1555.5	1440.5	1458.9		
65,0°		1341.8	1220.6	1301.0	1357.1	1329.0	1229.0	1298.4		
70,0°		1153.3	1052.3	1164.0	1126.2	1235.4	1124.6	1228.2		
75,0°		950.5	880.3	878.0	939.0	975.6	1044.3	1164.1		
80,0°		641.7	598.7	633.6	684.4	772.5	908.6	1035.7		
85,0°		256.3	255.0	263.3	308.3	455.9	607.4	786.8		

Photometric test report

Family
Highbay 11

Order number: 51HN12DA6LDA
EAN: 4069025424723

LP number
59710_447

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

