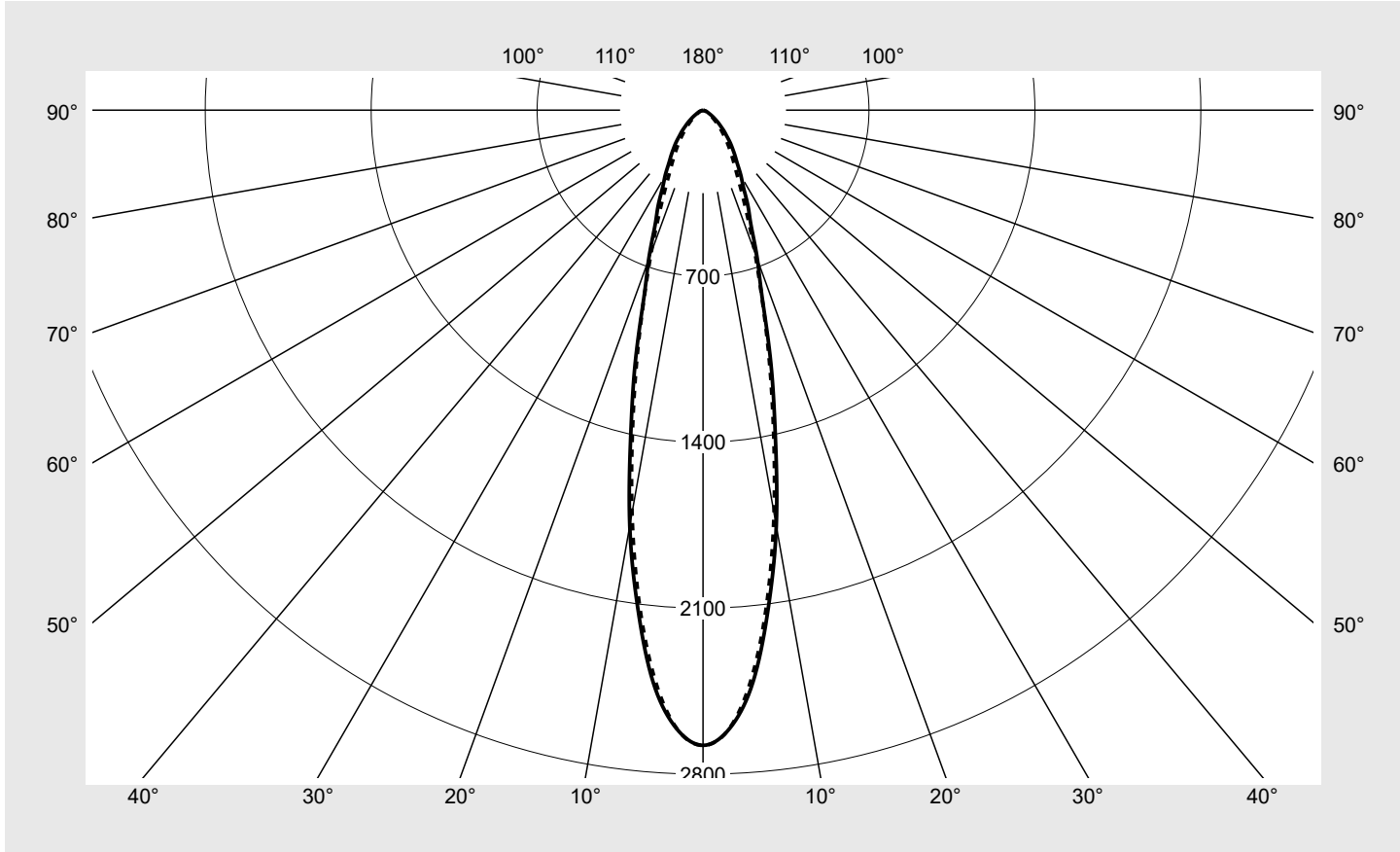


# Photometric test report

<b>Family</b> <b>Highbay 11</b>	<b>Order number: 51HN11DB4MDA3C</b> <b>EAN: 4069025363336</b>	<b>LP number</b> <b>59711_311</b>
	<b>Version</b> primary light control with lens, PMMA, housing, white, narrow distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Setting</b> emergency light operation: 3 h <b>Rated values</b> Net luminous flux = 940 lm Power consumption = 6.0 W Luminous efficacy = 156.7 lm/W	<b>serial documentation</b> <b>24.02.2025</b>

sitEco

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	
$\eta_{LB}$	100.0%
$\phi_u$	100.0%
$\phi_o$	0.0%

**Measurement conditions**  
DIN EN 13032 and DIN 5032

## Photometric test report

Family Highbay 11	Order number: 51HN11DB4MDA3C EAN: 4069025363336	LP number 59711_311
Table of values for luminous intensities		Maximum luminous intensity
		<b>siteco</b>

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°	Phi-zone	Total Phi-zone
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: 51HN11DB4MDA3C EAN: 4069025363336	LP number 59711_311
----------------------	--	------------------------

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	6.9	8.0	7.2	8.3	8.7	5.7	6.9	6.0	7.2	7.5
	3H	7.1	8.1	7.5	8.5	8.8	6.0	7.0	6.3	7.3	7.7
	4H	7.2	8.1	7.6	8.5	8.8	6.1	7.0	6.5	7.4	7.8
	6H	7.2	8.1	7.6	8.4	8.8	6.2	7.1	6.7	7.5	7.9
	8H	7.3	8.0	7.7	8.4	8.8	6.4	7.1	6.8	7.5	7.9
	12H	7.2	7.9	7.7	8.3	8.7	6.4	7.0	6.8	7.4	7.9
4H	2H	6.9	7.9	7.3	8.2	8.6	5.9	6.8	6.3	7.2	7.5
	3H	7.2	8.0	7.7	8.4	8.8	6.3	7.0	6.7	7.4	7.9
	4H	7.4	8.0	7.8	8.5	8.9	6.5	7.2	6.9	7.6	8.0
	6H	7.4	8.0	7.9	8.4	8.9	6.7	7.2	7.1	7.7	8.1
	8H	7.4	7.9	7.9	8.4	8.9	6.7	7.3	7.2	7.7	8.2
	12H	7.4	7.8	7.9	8.3	8.8	6.8	7.2	7.3	7.7	8.2
8H	4H	7.3	7.9	7.8	8.3	8.8	6.5	7.0	7.0	7.4	7.9
	6H	7.4	7.8	7.9	8.3	8.8	6.7	7.1	7.2	7.6	8.1
	8H	7.4	7.8	7.9	8.3	8.8	6.8	7.2	7.3	7.7	8.2
	12H	7.4	7.7	7.9	8.2	8.7	6.9	7.2	7.4	7.7	8.2
12H	4H	7.3	7.8	7.8	8.2	8.7	6.5	6.9	7.0	7.4	7.9
	6H	7.4	7.8	7.9	8.2	8.8	6.7	7.0	7.2	7.5	8.1
	8H	7.4	7.7	7.9	8.2	8.7	6.8	7.1	7.3	7.6	8.2

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 852 B = 264
-----------------	---------------------------------	-------------------------------	--------------------

C-planes	$\gamma$	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°		744.6	719.8	687.3	644.3	602.8	563.4	550.8
50,0°		558.2	538.8	516.0	485.3	448.9	413.9	402.2
55,0°		405.0	394.1	380.4	360.7	332.9	303.8	291.6
60,0°		277.9	278.2	283.4	270.7	254.6	229.7	218.3
65,0°		213.4	209.8	214.5	211.1	206.6	185.7	175.5
70,0°		165.3	163.3	175.5	165.7	171.9	158.3	151.3
75,0°		144.9	136.0	136.3	134.5	138.7	144.7	144.4
80,0°		105.7	101.8	98.5	100.3	112.0	136.0	138.8
85,0°		39.1	38.6	40.4	45.7	70.2	103.3	117.0

**Photometric test report**

<b>Family</b> Highbay 11	<b>Order number: 51HN11DB4MDA3C</b> <b>EAN: 4069025363336</b>	<b>LP number</b> 59711_311
-----------------------------	--	-------------------------------

**Luminance values in cd/m<sup>2</sup>**

$\gamma$  65°   
   $\gamma$  70°   
   $\gamma$  75°   
   $\gamma$  80°   
   $\gamma$  85°

