



# Photometric test report

<b>Family</b> <b>Highbay 11</b>	<b>Order number: 51HN32DA3JDA</b> <b>EAN: 4069025645777</b>	<b>LP number</b> <b>59710_532</b>
	<b>Version</b> primary light control with lens, PMMA, housing, black, wide distribution <b>Lamps</b> LED 3000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Setting</b> DC mode (central or group accumulator) initial emergency light level	<b>serial documentation</b> <b>15.12.2025</b>
	<b>Rated values</b> Net luminous flux = 3480 lm Power consumption = 18.3 W Luminous efficacy = 190.2 lm/W	

**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	
$\eta_{LB}$	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: 51HN32DA3JDA EAN: 4069025645777	LP number 59710_532
Table of values for luminous intensities		Maximum luminous intensity
		<b>siteco</b>

C-planes $\gamma$	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Luminous intensity in cd/klm		Luminous flux in lm/klm	
								Phi-zone	Total Phi-zone		
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: 51HN32DA3JDA EAN: 4069025645777	LP number 59710_532
----------------------	--	------------------------

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	14.9	16.1	15.2	16.4	16.8	14.6	15.8	14.9	16.1	16.5
	3H	14.8	16.0	15.2	16.3	16.7	14.6	15.7	15.0	16.0	16.4
	4H	14.8	15.9	15.2	16.2	16.6	14.6	15.6	15.0	16.0	16.4
	6H	14.8	15.7	15.2	16.1	16.5	14.6	15.6	15.0	15.9	16.3
	8H	14.9	15.7	15.3	16.1	16.5	14.7	15.5	15.1	15.9	16.3
	12H	14.9	15.6	15.3	16.0	16.4	14.7	15.4	15.1	15.8	16.2
4H	2H	14.7	15.8	15.1	16.1	16.5	14.5	15.5	14.9	15.8	16.2
	3H	14.8	15.6	15.2	16.0	16.4	14.5	15.4	15.0	15.8	16.2
	4H	14.8	15.5	15.2	16.0	16.4	14.6	15.3	15.0	15.7	16.2
	6H	14.8	15.4	15.2	15.8	16.3	14.6	15.3	15.1	15.7	16.2
	8H	14.7	15.3	15.2	15.8	16.2	14.6	15.2	15.1	15.7	16.1
	12H	14.7	15.2	15.2	15.7	16.2	14.7	15.1	15.2	15.6	16.1
8H	4H	14.7	15.3	15.2	15.7	16.2	14.5	15.1	15.0	15.5	16.0
	6H	14.7	15.2	15.2	15.6	16.1	14.6	15.0	15.1	15.5	16.0
	8H	14.6	15.1	15.2	15.6	16.1	14.6	15.0	15.1	15.5	16.0
	12H	14.6	15.0	15.2	15.5	16.0	14.6	14.9	15.1	15.4	16.0
12H	4H	14.7	15.2	15.2	15.7	16.2	14.5	15.0	15.0	15.5	16.0
	6H	14.7	15.1	15.2	15.6	16.1	14.6	14.9	15.1	15.4	16.0
	8H	14.7	15.0	15.2	15.5	16.0	14.6	14.9	15.1	15.4	15.9

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

C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>							
		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°		5134.2	5027.3	5225.8	5359.7	4781.6	4489.5	4476.2	
50,0°		2860.6	2792.9	2790.0	2839.8	2548.3	2429.7	2388.0	
55,0°		1797.7	1749.6	1774.6	1815.3	1646.8	1548.0	1529.4	
60,0°		1293.0	1248.2	1311.5	1350.9	1264.8	1171.3	1186.2	
65,0°		1091.0	992.5	1057.9	1103.5	1080.6	999.3	1055.7	
70,0°		937.7	855.6	946.4	915.7	1004.5	914.4	998.6	
75,0°		772.8	715.8	713.9	763.5	793.3	849.1	946.5	
80,0°		521.8	486.8	515.2	556.5	628.1	738.8	842.1	
85,0°		208.4	207.3	214.1	250.7	370.7	493.9	639.8	

**Photometric test report**

**Family**  
Highbay 11

**Order number: 51HN32DA3JDA**  
**EAN: 4069025645777**

**LP number**  
**59710\_532**

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

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

