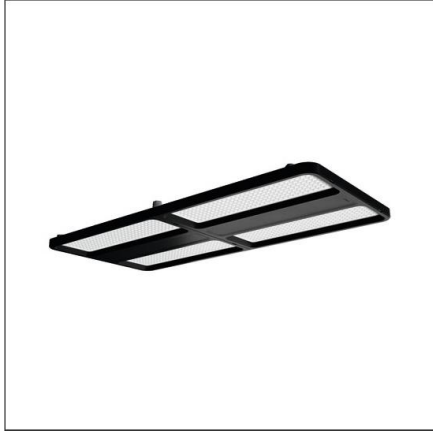


Photometric test report

Family
Highbay 11

Order number: 51HN32DB4QBA
EAN: 4069025440747

LP number
59710_386

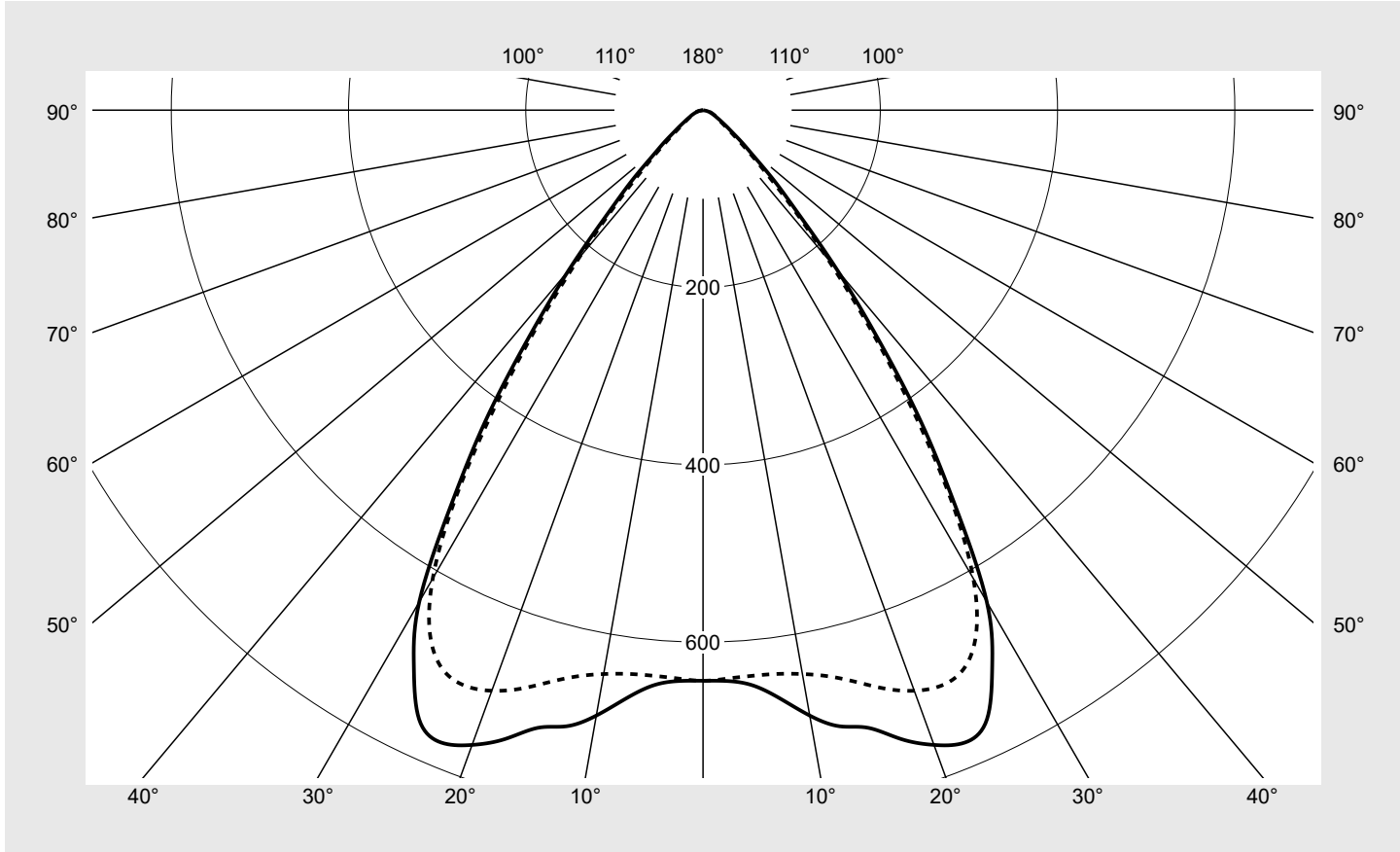


Version primary light control with lens, PMMA, housing, black, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Setting AC-mode
Rated values Net luminous flux = 36000 lm
 Power consumption = 177.7 W
 Luminous efficacy = 202.6 lm/W

serial documentation
09.04.2025



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: 51HN32DB4QBA EAN: 4069025440747	LP number 59710_386
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°	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: 51HN32DB4QBA EAN: 4069025440747	LP number 59710_386
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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	20.6	21.8	20.9	22.2	22.5	20.3	21.5	20.6	21.9	22.2
	3H	20.6	21.7	20.9	22.0	22.4	20.3	21.4	20.7	21.7	22.1
	4H	20.6	21.6	21.0	21.9	22.3	20.3	21.3	20.7	21.7	22.1
	6H	20.5	21.5	20.9	21.8	22.2	20.3	21.3	20.7	21.6	22.0
	8H	20.6	21.4	21.0	21.8	22.2	20.4	21.2	20.8	21.6	22.0
	12H	20.6	21.3	21.0	21.7	22.1	20.4	21.1	20.8	21.5	22.0
4H	2H	20.4	21.5	20.8	21.8	22.2	20.2	21.2	20.6	21.6	21.9
	3H	20.5	21.3	20.9	21.7	22.1	20.2	21.1	20.7	21.5	21.9
	4H	20.5	21.2	20.9	21.7	22.1	20.3	21.0	20.7	21.5	21.9
	6H	20.5	21.1	20.9	21.5	22.0	20.3	21.0	20.8	21.4	21.9
	8H	20.4	21.0	20.9	21.5	22.0	20.3	20.9	20.8	21.4	21.8
	12H	20.5	20.9	20.9	21.4	21.9	20.4	20.8	20.9	21.3	21.8
8H	4H	20.4	21.0	20.9	21.5	21.9	20.2	20.8	20.7	21.2	21.7
	6H	20.4	20.9	20.9	21.3	21.9	20.3	20.7	20.8	21.2	21.7
	8H	20.4	20.8	20.9	21.3	21.8	20.3	20.7	20.8	21.2	21.7
	12H	20.4	20.7	20.9	21.2	21.7	20.3	20.6	20.8	21.1	21.7
12H	4H	20.4	20.9	20.9	21.4	21.9	20.2	20.7	20.7	21.2	21.7
	6H	20.4	20.8	20.9	21.3	21.8	20.3	20.6	20.8	21.1	21.7
	8H	20.4	20.7	20.9	21.2	21.7	20.3	20.6	20.8	21.1	21.7

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 852 B = 264
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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°		26556.1	26003.2	27029.9	27722.7	24732.4	23221.4	23153.0	
50,0°		14796.1	14446.2	14431.0	14688.7	13180.8	12567.5	12351.9	
55,0°		9298.5	9049.9	9179.0	9389.7	8517.7	8006.8	7910.5	
60,0°		6687.9	6456.1	6783.6	6987.2	6541.9	6058.3	6135.4	
65,0°		5643.2	5133.5	5471.7	5707.6	5589.1	5168.7	5460.7	
70,0°		4850.4	4425.5	4895.3	4736.2	5195.7	4729.7	5165.3	
75,0°		3997.3	3702.3	3692.4	3949.0	4103.0	4391.8	4895.8	
80,0°		2698.7	2518.1	2664.6	2878.5	3249.0	3821.4	4355.9	
85,0°		1078.0	1072.4	1107.3	1296.5	1917.2	2554.4	3309.2	

Photometric test report

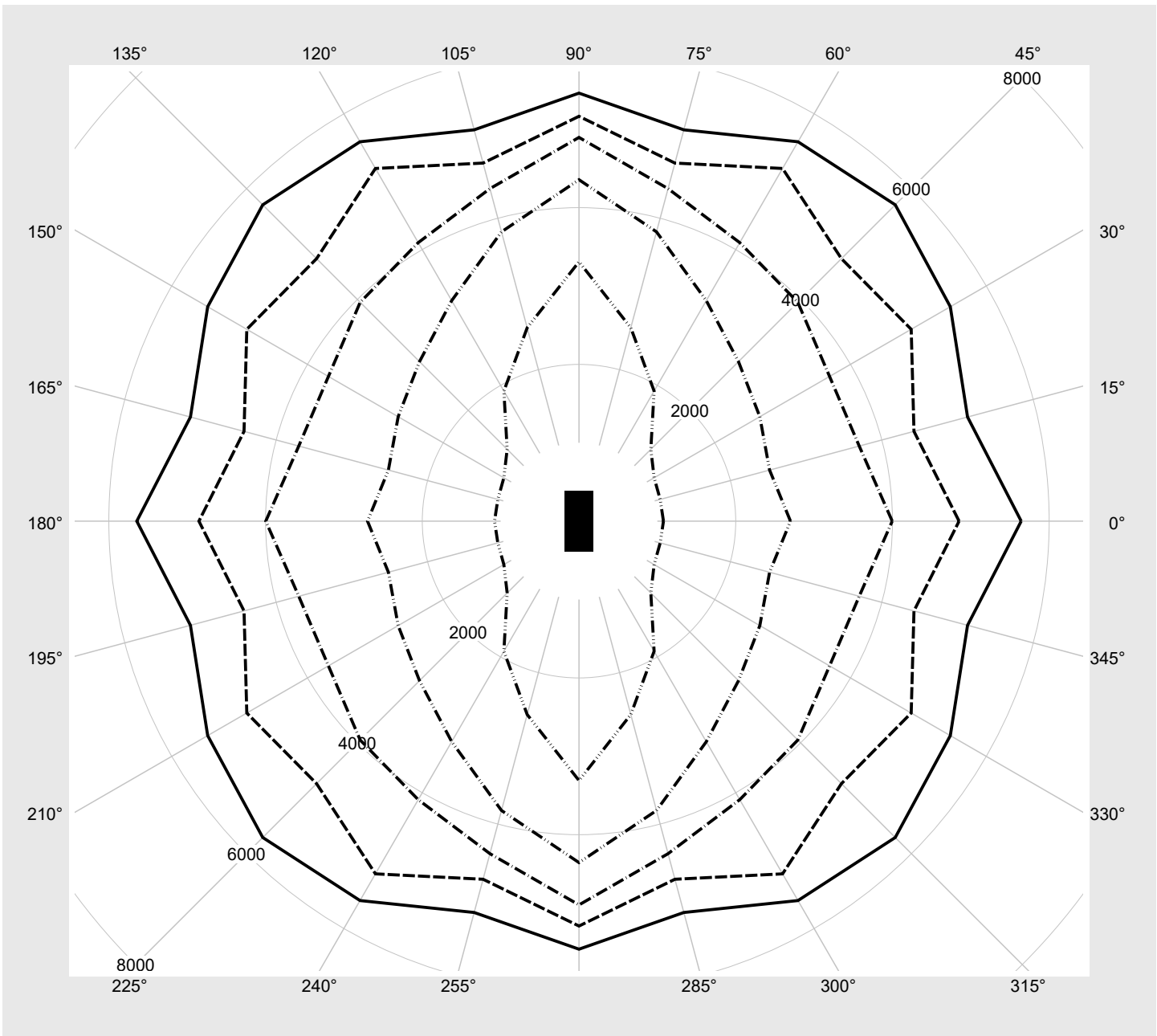
Family
Highbay 11

Order number: 51HN32DB4QBA
EAN: 4069025440747

LP number
59710_386

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



Photometric test report

Family Highbay 11	Order number: 51HN32DB4QBA EAN: 4069025440747	LP number 59710_386
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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	36000	177.7
95	241	252	34258	168.3
90	227	250	32370	158.2
85	214	248	30612	149.0
80	201	245	28833	139.6
75	188	243	27050	130.5
70	175	240	25256	121.2
65	162	238	23457	112.2
60	149	234	21641	103.1
55	136	231	19822	94.1
50	123	227	17982	85.1
45	111	224	16268	76.9
40	98	219	14402	68.0
35	86	214	12670	59.9
30	73	208	10780	51.0
25	61	202	9014	43.0
20	49	194	7241	35.1
15	37	183	5454	27.2
10	25	169	3653	19.3
5	13	145	1834	11.1
1	4	102	463	4.8