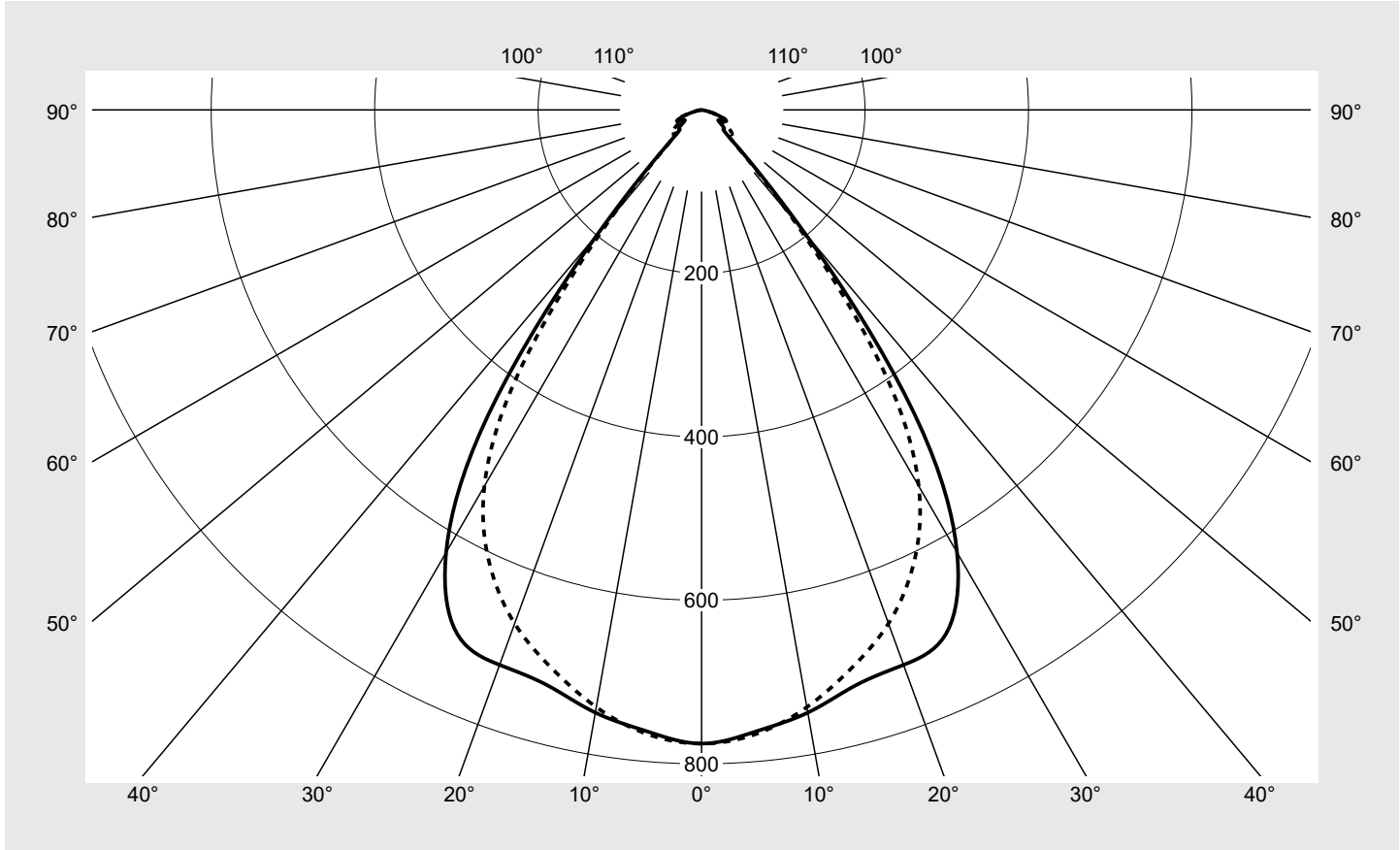


Photometric test report

Family Highbay 11	Order number: 51HL62D14DCA EAN: 4058352348918	LP number 58922_6
	Version wide distribution, UGR≤22 Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 10020 lm Power consumption = 55.6 W Luminous efficacy = 180.2 lm/W	serial documentation 21.05.2019
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 775 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=89 N2=96 N3=99 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: 51HL62D14DCA EAN: 4058352348918	LP number 58922_6
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°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	4.6	4.6
5°	763.3	765.5	767.8	768.1	766.5	768.2	766.4	36.6	41.3
10°	748.7	752.6	756.7	755.9	749.0	745.7	741.9	71.5	112.7
15°	728.8	736.6	748.6	748.7	732.9	716.3	707.4	104.1	216.8
20°	722.5	731.1	745.9	741.9	711.6	682.4	668.7	134.6	351.4
25°	707.4	710.1	723.4	713.1	669.4	627.0	613.5	158.4	509.9
30°	625.1	622.7	643.6	650.9	594.8	541.3	531.4	165.9	675.7
35°	454.3	465.0	515.3	546.7	478.1	404.7	385.8	148.3	824.0
40°	194.7	222.6	276.1	324.0	261.7	198.8	171.4	86.1	910.1
45°	52.4	51.4	56.0	64.9	54.8	51.5	51.3	21.3	931.5
50°	36.0	31.0	27.7	34.1	33.7	39.2	46.8	14.5	946.0
55°	27.7	25.7	21.5	23.0	24.8	33.2	42.0	12.2	958.2
60°	24.8	27.6	25.1	19.0	18.2	24.5	32.6	11.3	969.5
65°	33.0	23.0	22.5	18.8	16.0	23.0	31.5	11.2	980.7
70°	25.9	19.0	18.9	17.8	15.3	19.4	28.1	10.1	990.8
75°	12.6	8.9	10.2	12.8	12.0	13.0	13.0	6.1	996.9
80°	3.5	3.2	4.0	5.1	6.3	6.1	5.9	2.6	999.6
85°	0.3	0.3	0.4	0.5	1.1	1.3	1.4	0.4	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	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: 51HL62D14DCA EAN: 4058352348918	LP number 58922_6
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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	19.1	20.4	19.5	20.7	21.0	18.6	19.9	19.0	20.2	20.5
	3H	19.6	20.7	19.9	21.0	21.4	19.1	20.3	19.5	20.6	21.0
	4H	19.7	20.7	20.1	21.1	21.4	19.4	20.4	19.8	20.8	21.1
	6H	19.7	20.6	20.1	21.0	21.4	19.4	20.4	19.9	20.8	21.1
	8H	19.8	20.5	20.2	20.9	21.3	19.5	20.3	20.0	20.7	21.1
	12H	19.7	20.5	20.2	20.8	21.3	19.5	20.3	19.9	20.7	21.1
4H	2H	19.1	20.1	19.4	20.5	20.8	18.5	19.6	18.9	19.9	20.3
	3H	19.6	20.5	20.0	20.9	21.3	19.2	20.0	19.6	20.4	20.8
	4H	19.8	20.5	20.2	20.9	21.4	19.5	20.2	19.9	20.7	21.1
	6H	19.8	20.4	20.2	20.9	21.3	19.6	20.3	20.1	20.7	21.2
	8H	19.7	20.3	20.2	20.8	21.3	19.6	20.2	20.1	20.7	21.2
	12H	19.8	20.2	20.2	20.7	21.2	19.7	20.1	20.2	20.6	21.1
8H	4H	19.8	20.4	20.2	20.8	21.3	19.5	20.1	20.0	20.6	21.0
	6H	19.8	20.3	20.3	20.7	21.3	19.7	20.2	20.2	20.7	21.2
	8H	19.8	20.2	20.3	20.7	21.2	19.7	20.2	20.2	20.7	21.2
	12H	19.7	20.1	20.3	20.6	21.1	19.8	20.1	20.3	20.6	21.1
12H	4H	19.8	20.3	20.3	20.7	21.2	19.5	20.0	20.0	20.5	21.0
	6H	19.8	20.2	20.3	20.7	21.2	19.7	20.1	20.2	20.6	21.1
	8H	19.8	20.1	20.3	20.6	21.1	19.8	20.1	20.3	20.6	21.1

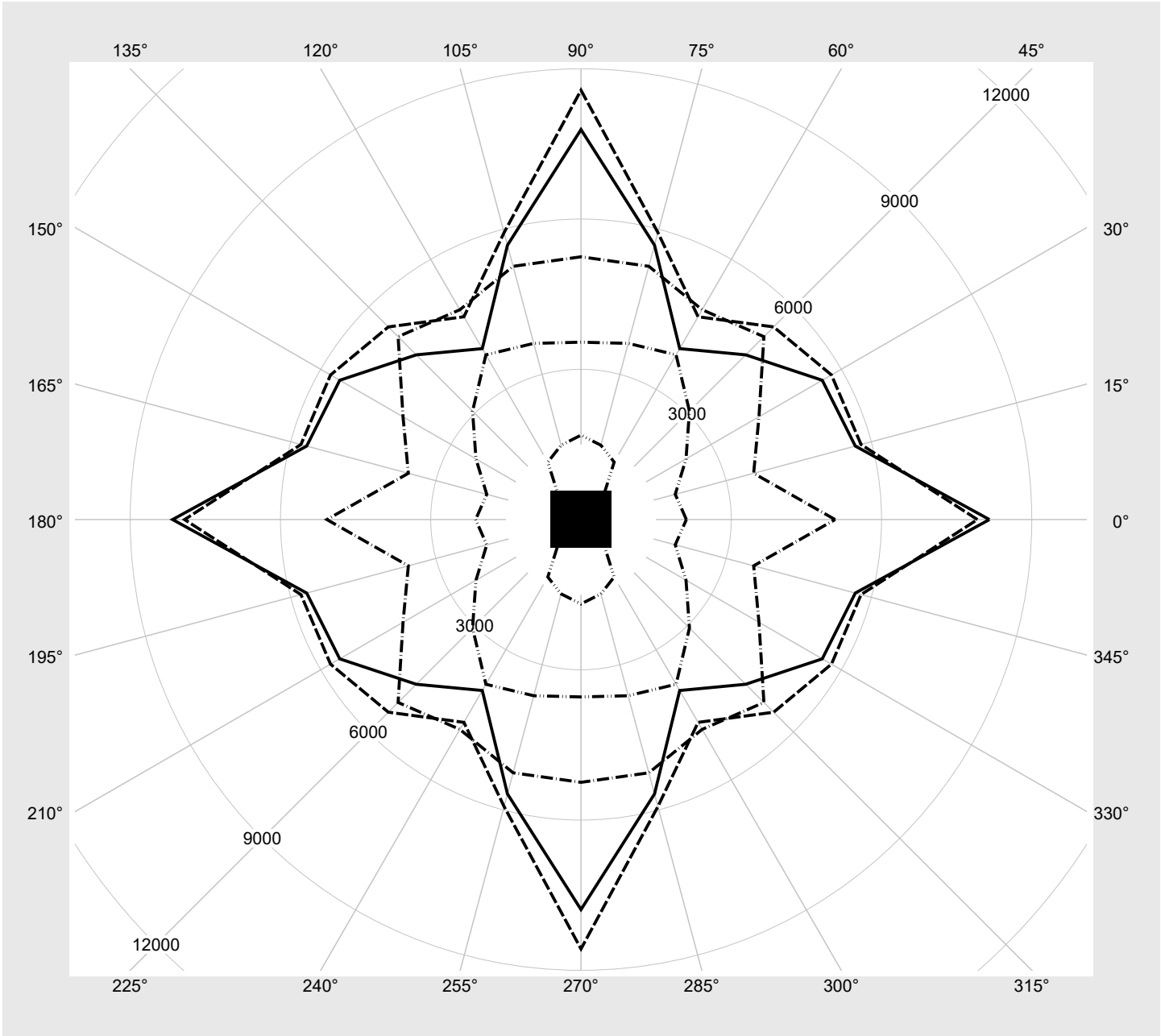
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 300 B = 320
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C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		7730.8	7590.0	8266.8	9574.3	8092.5	7606.9	7567.0	
50°		5845.8	5038.9	4505.7	5542.3	5476.9	6362.0	7591.5	
55°		5037.4	4674.3	3910.0	4194.3	4506.0	6036.9	7642.7	
60°		5176.4	5771.3	5238.4	3974.0	3795.7	5118.1	6800.0	
65°		8154.3	5670.0	5562.3	4651.0	3941.4	5671.7	7787.0	
70°		7915.2	5788.8	5774.5	5439.7	4675.8	5932.5	8572.9	
75°		5073.2	3569.0	4102.9	5164.3	4837.7	5234.9	5246.6	
80°		2103.8	1948.1	2421.1	3061.9	3797.6	3641.9	3541.5	
85°		368.9	362.9	425.1	619.1	1324.5	1536.5	1685.0	

Photometric test report

Family Highbay 11	Order number: 51HL62D14DCA EAN: 4058352348918	LP number 58922_6
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Luminance values in cd/m²
γ 65°
γ 70°
γ 75°
γ 80°
γ 85°
siteco



Photometric test report

Family Highbay 11	Order number: 51HL62D14DCA EAN: 4058352348918	LP number 58922_6
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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	10020	55.6
95	241	252	9519	52.7
90	228	250	9018	49.9
85	215	248	8517	47.1
80	202	246	8016	44.6
75	189	243	7515	41.8
70	176	241	7014	39.1
65	163	238	6513	36.4
60	151	235	6012	33.8
55	138	232	5511	31.1
50	125	228	5010	28.5
45	113	225	4509	26.0
40	100	220	4008	23.4
35	88	215	3507	20.8
30	76	210	3006	18.3
25	63	204	2505	15.8
20	51	196	2004	13.2
15	39	186	1503	10.7
10	27	172	1001	8.2