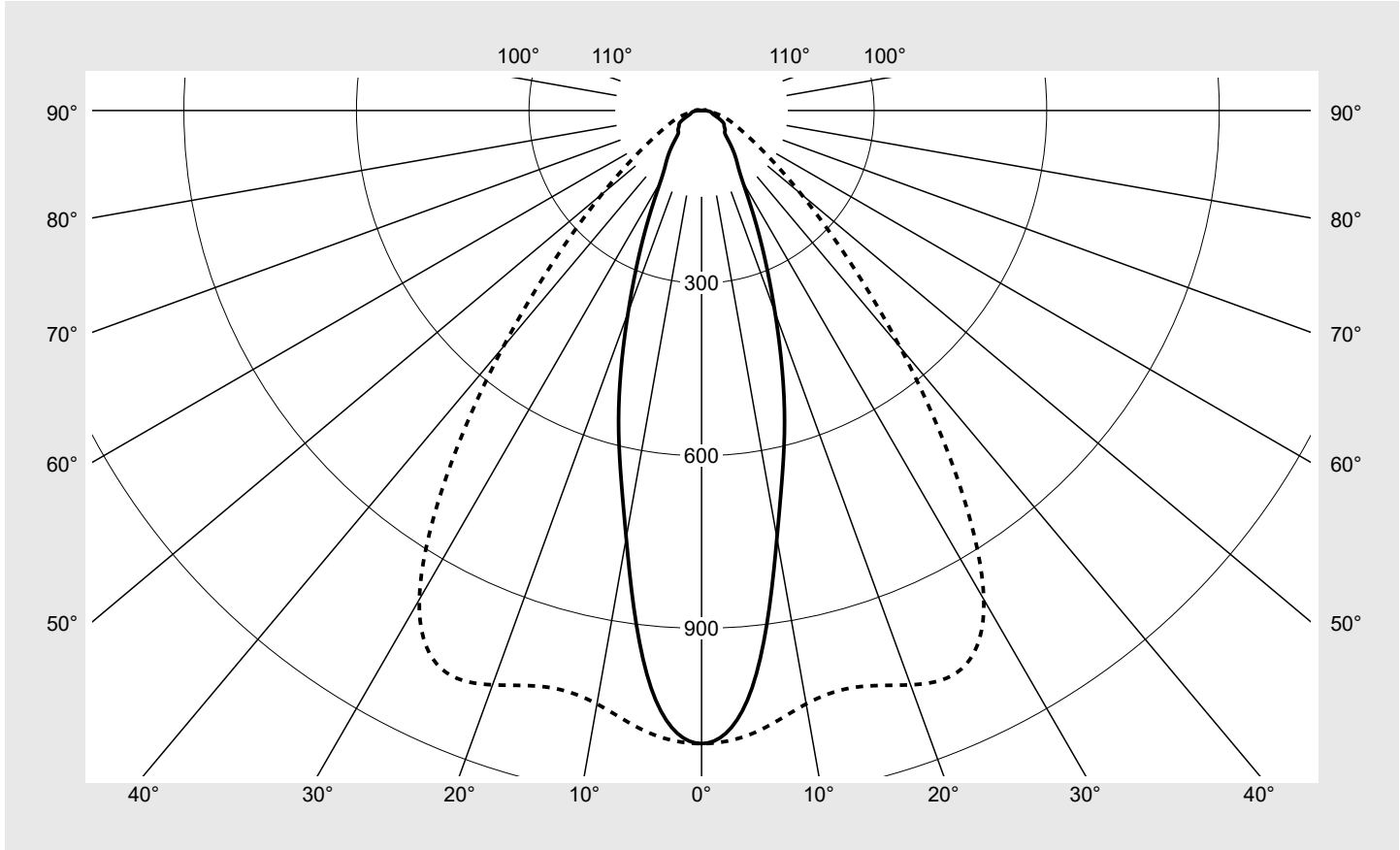


Photometric test report

Family Highbay 11	Order number: 51HLA1D34SCA + 59HL91003 EAN: 4058352322949 + 4058352341667	LP number 58930_5
Version	elliptical distribution, prismatic cover, polycarbonate	serial documentation 19.06.2019
Lamps	LED 4000 K CRI ≥ 80	
Controlgear	ECG-DALI	
Rated values	Net luminous flux = 44250 lm Power consumption = 284.4 W Luminous efficacy = 155.6 lm/W	



Luminous intensity in cd/klm C180-0 C270-90 Imax: 1100 cd/klm



Classifications	
DIN 5040	A 6 1
CIE	N1=74 N2=91 N3=98 N4=99 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	98.8%
ϕ_o	1.2%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Highbay 11	Order number: 51HLA1D34SCA + 59HL91003 EAN: 4058352322949 + 4058352341667	LP number 58930_5
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°	1100.5	1100.5	1100.5	1100.5	1100.5	1100.5	1100.5	6.6	6.6
5°	1007.4	1012.6	1030.5	1050.3	1068.5	1084.3	1084.5	50.1	56.7
10°	754.5	764.3	802.1	872.8	956.7	1027.7	1047.4	84.5	141.2
15°	557.5	566.8	597.7	662.8	799.5	972.3	1037.7	104.0	245.1
20°	373.2	387.0	439.7	525.4	652.3	921.0	1062.4	113.8	358.9
25°	234.3	244.7	292.9	415.1	546.0	840.8	1070.5	115.5	474.5
30°	143.1	148.6	188.3	304.6	469.0	692.1	981.4	108.0	582.5
35°	105.9	103.3	117.7	214.5	378.8	510.3	770.1	92.4	674.8
40°	79.5	80.0	88.5	143.4	282.0	350.9	536.7	73.6	748.4
45°	58.1	60.9	72.4	96.5	198.2	234.0	350.0	55.9	804.4
50°	53.4	54.9	62.4	79.6	138.6	160.8	225.8	44.5	848.9
55°	48.1	50.3	55.7	66.3	98.9	115.0	146.7	36.2	885.1
60°	44.3	43.9	51.1	56.6	71.7	84.2	98.6	30.0	915.0
65°	34.0	35.6	41.1	46.8	54.4	63.8	70.1	24.3	939.4
70°	23.8	24.7	28.7	32.4	37.9	46.9	52.1	17.9	957.3
75°	19.1	18.8	21.0	22.6	25.4	31.6	36.3	13.0	970.3
80°	16.9	16.1	16.8	18.0	17.3	18.3	20.2	9.4	979.7
85°	11.8	11.5	13.4	12.5	10.6	11.0	13.0	6.5	986.2
90°	5.4	6.2	7.4	8.3	6.9	8.0	11.0	4.1	990.3
95°	3.3	4.0	5.5	6.4	5.6	6.3	9.3	3.1	993.4
100°	1.7	2.2	3.2	4.1	3.7	4.3	6.3	1.9	995.3
105°	1.0	1.0	1.4	2.1	2.5	3.4	4.9	1.2	996.5
110°	0.8	0.8	0.9	1.1	1.8	3.1	4.6	0.9	997.4
115°	0.7	0.7	0.7	0.9	1.5	2.8	4.1	0.8	998.2
120°	0.6	0.6	0.6	0.6	1.2	2.0	3.3	0.6	998.7
125°	0.5	0.5	0.5	0.6	1.1	1.4	2.5	0.4	999.1
130°	0.6	0.6	0.7	0.8	1.0	1.2	1.9	0.4	999.5
135°	1.0	1.0	1.1	1.2	1.2	1.3	1.6	0.5	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: 51HLA1D34SCA + 59HL91003 EAN: 4058352322949 + 4058352341667	LP number 58930_5
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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	17.7	19.1	18.0	19.4	19.7	24.2	25.6	24.6	25.9	26.2
	3H	18.8	20.1	19.2	20.4	20.7	25.0	26.2	25.4	26.5	26.9
	4H	19.3	20.5	19.7	20.8	21.2	25.3	26.4	25.7	26.8	27.1
	6H	19.9	21.0	20.3	21.4	21.7	25.6	26.5	26.0	26.9	27.3
	8H	20.3	21.3	20.7	21.7	22.1	25.7	26.6	26.1	27.0	27.4
	12H	20.6	21.5	21.0	21.9	22.3	25.8	26.6	26.3	27.0	27.4
4H	2H	18.9	20.0	19.3	20.3	20.7	24.2	25.4	24.6	25.7	26.1
	3H	20.1	21.0	20.5	21.4	21.8	25.1	26.0	25.5	26.4	26.8
	4H	20.6	21.5	21.1	21.9	22.3	25.5	26.3	25.9	26.8	27.2
	6H	21.3	22.0	21.7	22.5	22.9	25.8	26.6	26.3	27.0	27.5
	8H	21.7	22.4	22.2	22.8	23.3	26.0	26.6	26.5	27.1	27.5
	12H	22.1	22.7	22.5	23.1	23.6	26.2	26.7	26.6	27.2	27.7
8H	4H	21.1	21.7	21.6	22.2	22.6	25.5	26.2	25.9	26.6	27.1
	6H	22.0	22.5	22.5	23.0	23.5	25.9	26.5	26.4	26.9	27.4
	8H	22.4	22.9	22.9	23.4	23.9	26.1	26.6	26.6	27.1	27.6
	12H	22.9	23.3	23.4	23.8	24.4	26.3	26.7	26.8	27.2	27.8
12H	4H	21.2	21.7	21.7	22.2	22.7	25.5	26.1	26.0	26.5	27.0
	6H	22.1	22.5	22.6	23.0	23.6	25.9	26.4	26.4	26.9	27.4
	8H	22.7	23.1	23.2	23.6	24.1	26.1	26.5	26.6	27.0	27.6

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 918 B = 330	H(C0) = 21 H(C90) = 21	H(C180) = 21 H(C270) = 21
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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°		11288.6	11780.6	14021.9	18778.8	38939.4	46538.5	70686.5	
50°		11281.7	11542.7	13144.7	16868.9	29676.8	34942.3	49957.1	
55°		11224.1	11685.7	12958.0	15539.1	23446.4	27748.9	36187.5	
60°		11645.5	11481.5	13388.7	14950.0	19217.2	23056.6	27715.3	
65°		10343.3	10755.5	12425.4	14307.4	16934.7	20376.2	23102.1	
70°		8652.5	8888.5	10373.6	11848.4	14157.1	18110.0	20918.4	
75°		8705.6	8495.9	9485.2	10403.3	12039.8	15598.4	18884.4	
80°		10438.5	9769.6	10279.8	11211.9	11238.2	12633.6	15026.3	
85°		11474.0	10907.2	12750.6	12340.7	11186.9	12793.9	17232.8	

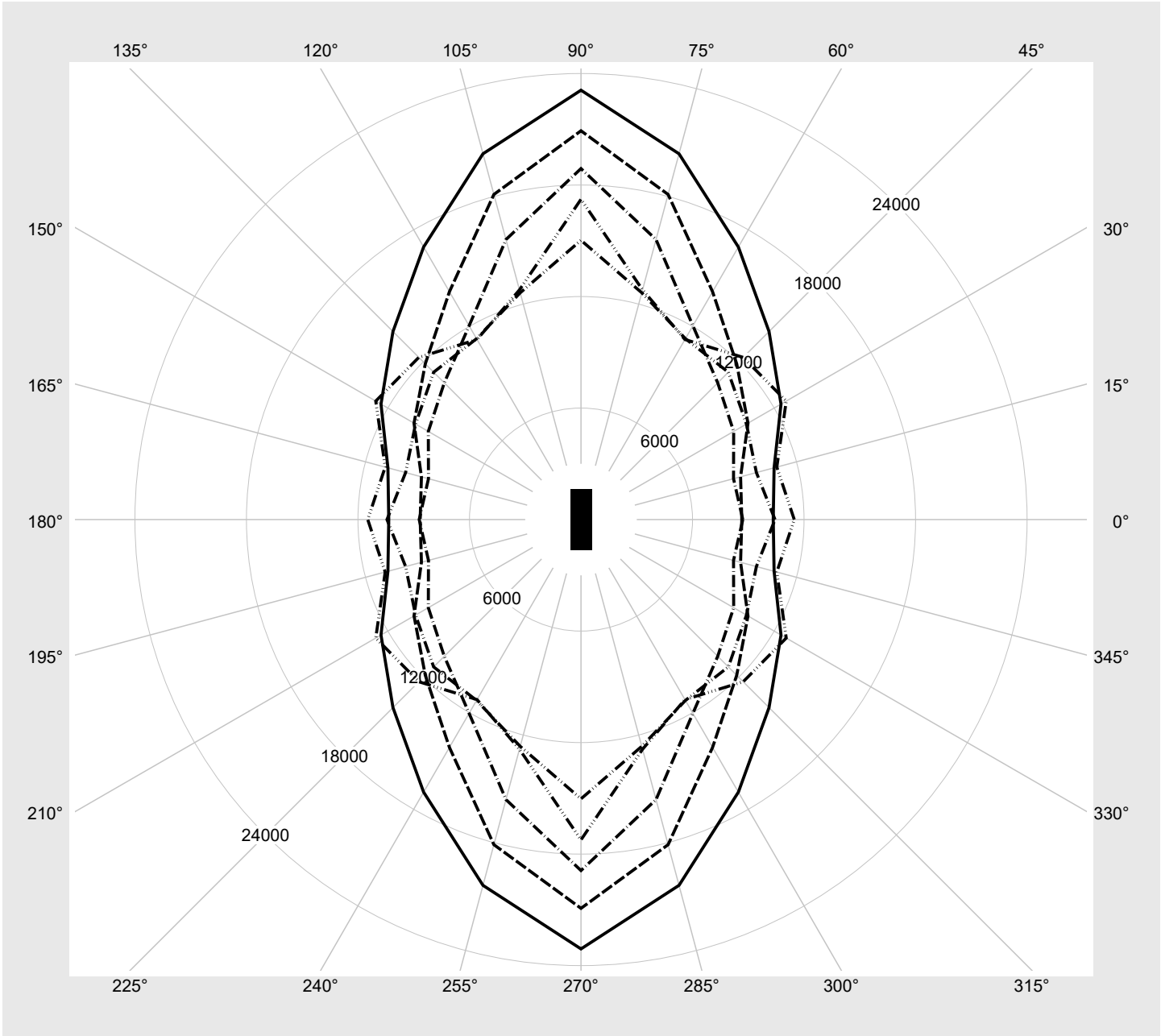
Photometric test report

Family Highbay 11	Order number: 51HLA1D34SCA + 59HL91003 EAN: 4058352322949 + 4058352341667	LP number 58930_5
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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: 51HLA1D34SCA + 59HL91003 EAN: 4058352322949 + 4058352341667	LP number 58930_5
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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	44250	284.4
95	240	252	42038	269.1
90	227	250	39825	253.8
85	213	248	37613	238.4
80	200	245	35400	223.3
75	187	243	33188	209.0
70	174	240	30975	194.4
65	161	237	28763	180.2
60	148	234	26550	166.3
55	135	231	24338	152.2
50	123	228	22125	138.5
45	110	224	19913	124.8
40	98	220	17700	111.5
35	85	215	15488	98.3
30	73	210	13275	85.3
25	61	204	11063	72.7
20	49	197	8850	59.8
15	37	188	6638	47.3
10	25	177	4424	34.6