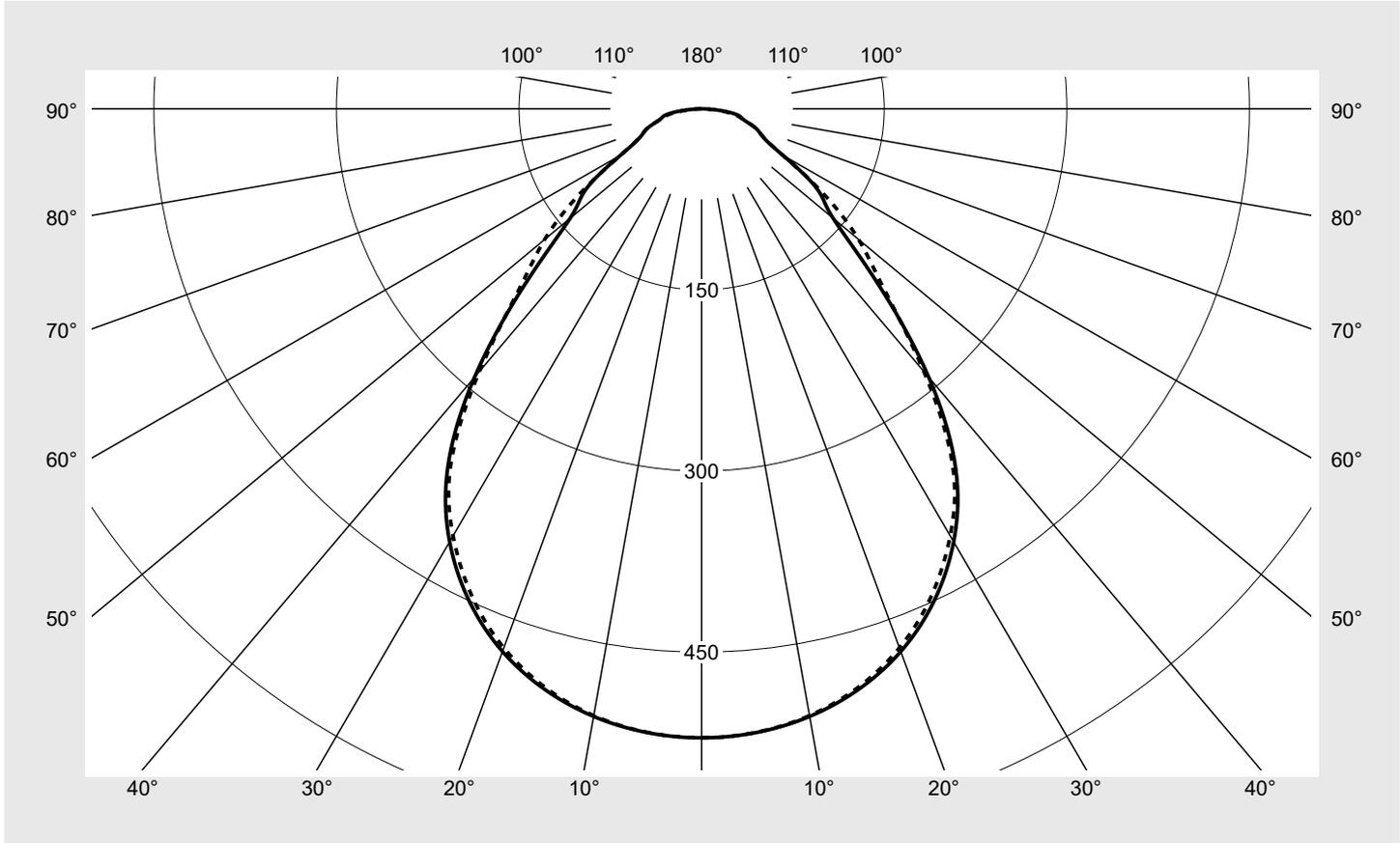


Photometric test report

Family Sport 31	Order number: 51HS12DC4ECA EAN: 4058352501801	LP number 59187_3
	Version CDP microprismatic optics, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 11990 lm Power consumption = 89.4 W Luminous efficacy = 134.1 lm/W	serial documentation 27.07.2021
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 521 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=65 N2=89 N3=97 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 Sport 31	Order number: 51HS12DC4ECA EAN: 4058352501801	LP number 59187_3
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°	521.0	521.0	521.0	521.0	521.0	521.0	521.0	3.1	3.1
5°	518.5	518.4	518.3	518.4	518.2	518.1	518.3	24.8	27.9
10°	511.0	510.9	510.6	510.5	510.1	510.0	510.3	48.6	76.5
15°	497.9	497.5	497.3	497.0	496.5	496.2	496.2	70.5	147.0
20°	478.3	478.1	477.4	476.3	475.5	474.9	475.1	89.3	236.3
25°	450.9	450.8	450.2	448.2	446.4	445.5	446.0	103.8	340.1
30°	414.1	414.8	414.4	411.1	407.7	407.5	408.5	112.7	452.8
35°	363.9	366.3	367.3	360.9	355.6	356.6	359.3	113.6	566.4
40°	290.4	294.7	297.0	285.4	277.5	279.3	284.1	101.1	667.5
45°	204.6	218.3	229.0	208.7	190.3	198.4	212.8	81.0	748.5
50°	140.9	171.9	185.1	159.3	127.2	151.6	168.3	66.5	814.9
55°	115.9	135.6	132.9	125.3	102.7	120.0	121.1	55.0	869.9
60°	77.1	78.0	77.1	78.0	77.1	78.0	77.0	36.8	906.8
65°	55.9	56.5	55.9	56.4	55.9	56.2	56.5	27.9	934.7
70°	47.6	46.5	47.6	46.8	47.6	46.8	47.6	24.3	959.0
75°	36.1	35.1	36.1	35.1	36.1	35.1	36.1	18.8	977.8
80°	30.3	26.7	28.2	25.7	27.9	26.3	27.7	14.7	992.5
85°	15.0	15.5	14.5	13.2	12.4	12.6	12.4	7.5	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 Sport 31	Order number: 51HS12DC4ECA EAN: 4058352501801	LP number 59187_3
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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	18.5	20.0	18.8	20.3	20.6	18.0	19.6	18.4	19.9	20.2
	3H	19.2	20.6	19.6	20.9	21.3	18.9	20.2	19.3	20.6	20.9
	4H	19.7	20.9	20.0	21.3	21.6	19.4	20.6	19.8	21.0	21.4
	6H	20.2	21.4	20.6	21.7	22.1	19.9	21.1	20.3	21.4	21.8
	8H	20.5	21.6	21.0	22.0	22.4	20.2	21.3	20.6	21.6	22.0
	12H	20.7	21.7	21.2	22.1	22.5	20.4	21.3	20.8	21.7	22.2
4H	2H	18.8	20.0	19.2	20.4	20.7	18.4	19.7	18.8	20.0	20.4
	3H	19.7	20.8	20.2	21.2	21.6	19.5	20.6	19.9	20.9	21.4
	4H	20.3	21.3	20.8	21.7	22.1	20.1	21.1	20.6	21.5	21.9
	6H	21.0	21.9	21.5	22.3	22.8	20.8	21.7	21.3	22.1	22.6
	8H	21.4	22.1	21.9	22.6	23.1	21.2	21.9	21.6	22.3	22.8
	12H	21.7	22.4	22.2	22.8	23.3	21.4	22.0	21.9	22.5	23.0
8H	4H	20.6	21.3	21.1	21.8	22.3	20.4	21.2	20.9	21.6	22.1
	6H	21.5	22.1	22.0	22.6	23.1	21.3	21.9	21.8	22.4	22.9
	8H	22.0	22.5	22.5	23.0	23.5	21.7	22.3	22.2	22.8	23.3
	12H	22.4	22.8	22.9	23.3	23.9	22.1	22.5	22.6	23.0	23.6
12H	4H	20.7	21.3	21.2	21.8	22.3	20.5	21.1	21.0	21.6	22.1
	6H	21.6	22.1	22.1	22.6	23.1	21.4	22.0	21.9	22.5	23.0
	8H	22.1	22.6	22.6	23.1	23.6	21.9	22.4	22.4	22.9	23.4

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1470
			B = 245

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°	45°	9633.3	10276.1	10781.3	9824.8	8960.7	9341.4	10018.6	
50°	50°	7298.5	8902.7	9589.1	8252.6	6588.2	7849.5	8714.4	
55°	55°	6729.0	7871.6	7716.3	7275.0	5962.1	6962.8	7029.6	
60°	60°	5132.6	5195.3	5135.2	5195.3	5136.6	5195.3	5127.3	
65°	65°	4404.9	4447.5	4404.9	4440.5	4404.9	4424.6	4448.3	
70°	70°	4634.6	4530.3	4634.6	4551.7	4634.6	4553.7	4634.6	
75°	75°	4645.2	4513.7	4645.2	4513.7	4645.2	4513.7	4645.2	
80°	80°	5815.4	5118.3	5406.3	4918.6	5344.9	5041.4	5316.2	
85°	85°	5716.7	5927.2	5548.2	5047.1	4733.5	4821.3	4748.8	

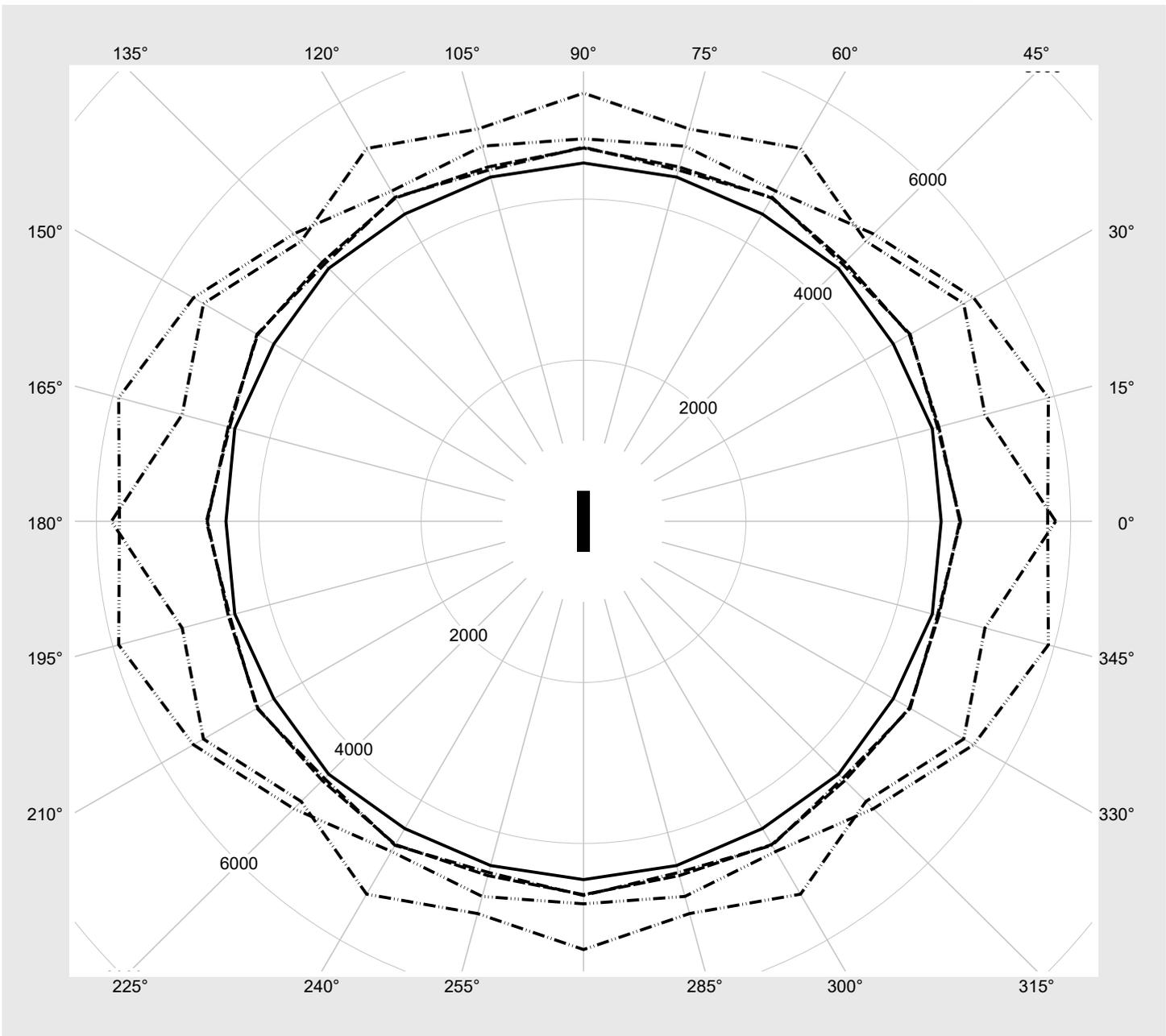
Photometric test report

Family
Sport 31

Order number: 51HS12DC4ECA
EAN: 4058352501801

LP number
59187_3

Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

Family Sport 31	Order number: 51HS12DC4ECA EAN: 4058352501801	LP number 59187_3
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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	11990	89.4
95	240	252	11407	84.6
90	226	250	10808	79.8
85	215	248	10208	75.3
80	202	246	9574	70.5
75	187	243	8973	65.7
70	173	240	8403	61.1
65	161	237	7788	56.6
60	149	234	7215	52.5
55	134	231	6577	48.2
50	121	227	5999	44.0
45	108	223	5393	39.4
40	95	218	4789	35.1
35	82	213	4189	31.3
30	69	206	3586	27.4
25	56	199	2983	23.3
20	44	190	2373	19.2
15	35	181	1787	15.5
10	26	171	1214	11.9
5	14	148	653	6.4