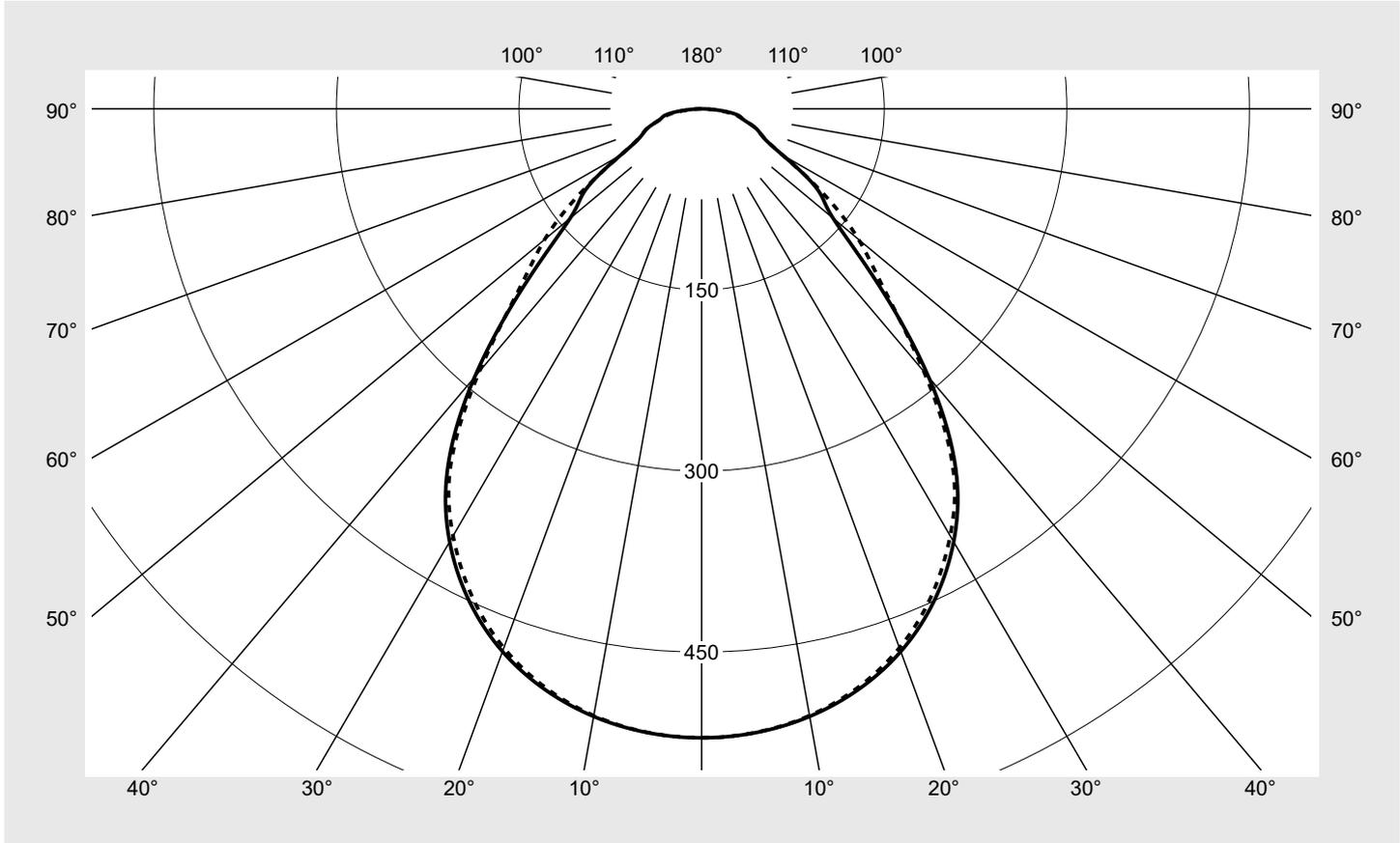


Photometric test report

Family Sport 31 	Order number: 51HS12NC4JCB EAN: 4069025254672	LP number 59187_7
	Version CDP microprismatic optics, wide distribution, UGR≤22 Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 20000 lm Power consumption = 147.0 W Luminous efficacy = 136.1 lm/W	serial documentation 18.03.2025



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: 51HS12NC4JCB EAN: 4069025254672	LP number 59187_7
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: 51HS12NC4JCB EAN: 4069025254672	LP number 59187_7
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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	20.6	19.4	20.9	21.2	18.6	20.2	19.0	20.5	20.8
	3H	19.8	21.2	20.2	21.5	21.8	19.5	20.8	19.9	21.2	21.5
	4H	20.2	21.5	20.6	21.9	22.2	20.0	21.2	20.3	21.6	21.9
	6H	20.8	21.9	21.2	22.3	22.7	20.5	21.6	20.9	22.0	22.4
	8H	21.1	22.2	21.5	22.6	23.0	20.8	21.8	21.2	22.2	22.6
	12H	21.3	22.3	21.8	22.7	23.1	20.9	21.9	21.4	22.3	22.7
4H	2H	19.3	20.6	19.7	21.0	21.3	19.0	20.3	19.4	20.6	21.0
	3H	20.3	21.4	20.8	21.8	22.2	20.1	21.1	20.5	21.5	21.9
	4H	20.9	21.9	21.4	22.3	22.7	20.7	21.7	21.2	22.1	22.5
	6H	21.6	22.4	22.1	22.9	23.3	21.4	22.2	21.9	22.7	23.1
	8H	22.0	22.7	22.5	23.2	23.7	21.7	22.5	22.2	22.9	23.4
	12H	22.3	23.0	22.8	23.4	23.9	22.0	22.6	22.5	23.1	23.6
8H	4H	21.2	21.9	21.7	22.4	22.9	21.0	21.8	21.5	22.2	22.7
	6H	22.1	22.7	22.6	23.2	23.7	21.9	22.5	22.4	23.0	23.5
	8H	22.6	23.1	23.1	23.6	24.1	22.3	22.9	22.8	23.4	23.9
	12H	23.0	23.4	23.5	23.9	24.5	22.6	23.1	23.2	23.6	24.1
12H	4H	21.3	21.9	21.7	22.4	22.9	21.1	21.7	21.6	22.2	22.7
	6H	22.2	22.7	22.7	23.2	23.7	22.0	22.6	22.5	23.0	23.6
	8H	22.7	23.2	23.2	23.7	24.2	22.5	22.9	23.0	23.4	24.0

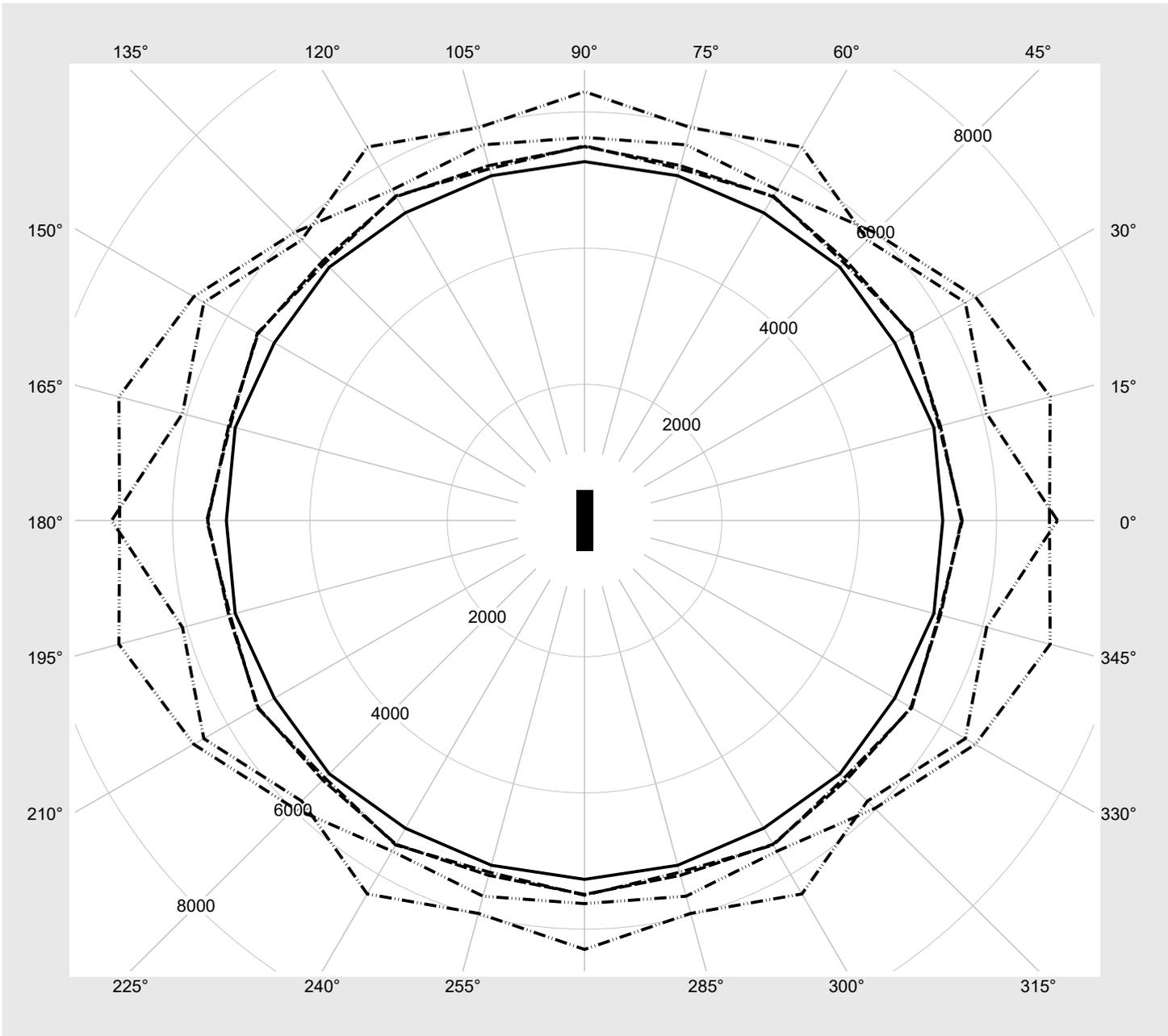
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1470
			B = 345

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°		11411.3	12172.7	12771.1	11638.1	10614.6	11065.4	11867.7	
50°		8645.5	10545.8	11358.9	9775.7	7804.1	9298.2	10322.7	
55°		7970.9	9324.4	9140.5	8617.7	7062.5	8247.8	8327.0	
60°		6079.9	6154.2	6083.0	6154.2	6084.6	6154.2	6073.5	
65°		5217.9	5268.4	5217.9	5260.0	5217.9	5241.2	5269.3	
70°		5489.9	5366.4	5489.9	5391.8	5489.9	5394.1	5489.9	
75°		5502.5	5346.8	5502.5	5346.8	5502.5	5346.8	5502.5	
80°		6888.7	6063.0	6404.1	5826.3	6331.4	5971.9	6297.3	
85°		6771.8	7021.1	6572.2	5978.6	5607.1	5711.2	5625.2	

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



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Multilumen Table	environmental temperature: 25°C	siteco
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DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
7	ON	ON	ON	OFF	20000	147.0
8	OFF	OFF	OFF	ON	18500	136.0
9	ON	OFF	OFF	ON	17000	125.0
10	OFF	ON	OFF	ON	15200	112.0
11	ON	ON	OFF	ON	13500	100.0
12	OFF	OFF	ON	ON	12000	89.0
13	ON	OFF	ON	ON	10500	79.0
14	OFF	ON	ON	ON	8600	66.0
15	ON	ON	ON	ON	7200	56.0