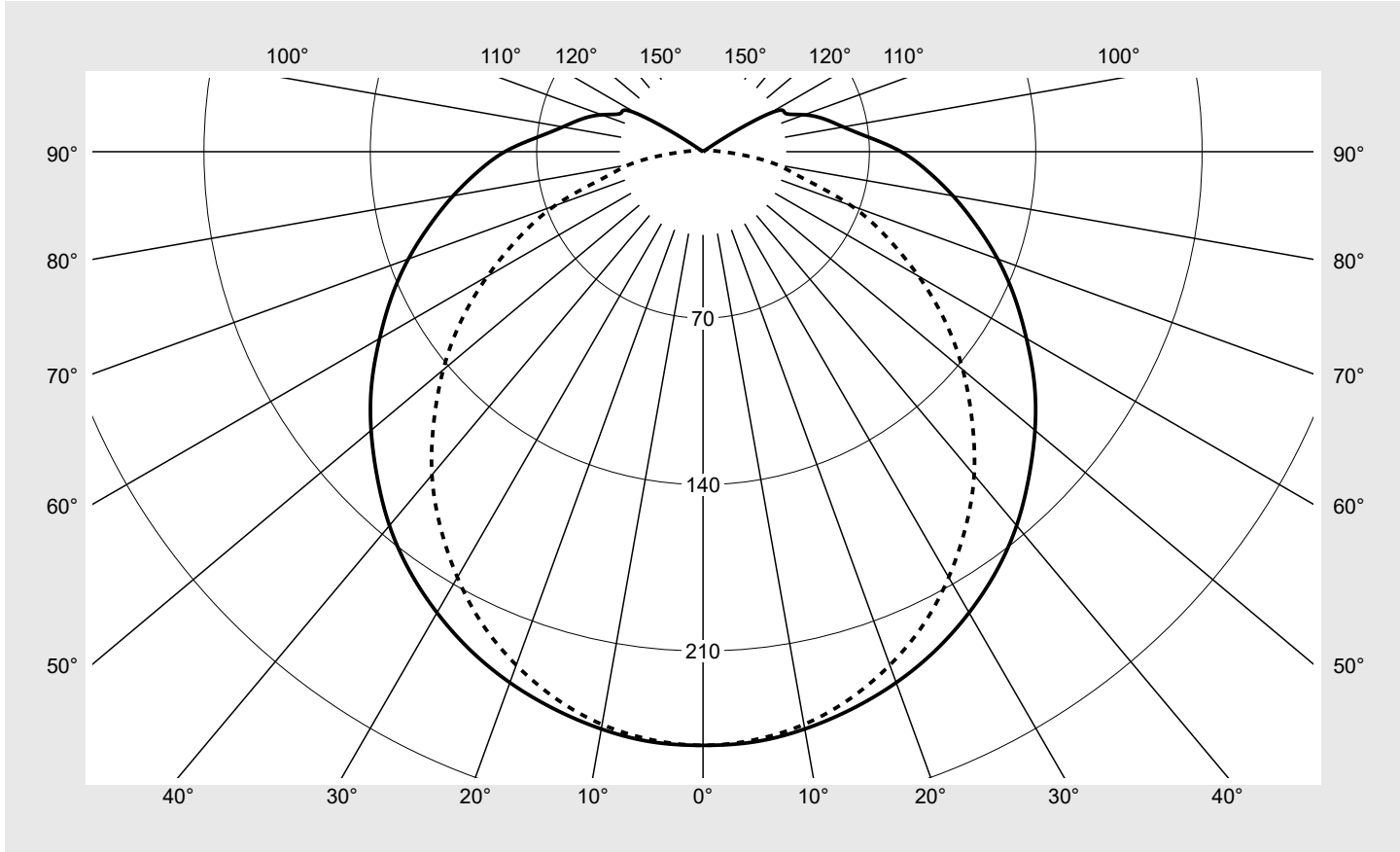


Photometric test report

Family Ecopack® 31	Order number: 51LJ12MNM70A + 59LJ203 EAN: 4058352589595 + 4058352612422	LP number 59349_5
Version	diffuser optic, frosted, polycarbonate, adjustable color temperature: 3000K 4000K 5000K, extremely wide distribution, emergency light element 3h operating duration	serial documentation 19.08.2022
Lamps	LED 4000 K CRI ≥ 80	
Controlgear	ECG Multilumen	
Setting	factory setting: colour temperature 4000K	
Rated values	Net luminous flux = 7000 lm Power consumption = 51.5 W Luminous efficacy = 135.9 lm/W	



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 250 cd/klm**



Classifications	
DIN 5040	B 3 1
CIE	N1=39 N2=67 N3=87 N4=89 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	89.0%
ϕ_o	11.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Ecopack® 31	Order number: 51LJ12MNM70A + 59LJ203 EAN: 4058352589595 + 4058352612422	LP number 59349_5
Table of values for luminous intensities		Maximum luminous intensity
		sITeco

C-planes γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
0°	249.7	249.7	249.7	249.7	249.7	249.7	249.7	1.5	1.5
5°	249.2	249.0	248.9	248.9	248.9	248.6	248.3	11.9	13.4
10°	246.5	246.5	246.5	246.0	245.5	245.0	244.6	23.4	36.8
15°	242.6	242.6	242.6	241.2	239.9	239.1	238.3	34.2	71.0
20°	237.6	237.4	237.2	235.0	232.8	231.3	229.8	44.0	114.9
25°	231.4	231.0	230.5	227.1	223.8	221.6	219.4	52.5	167.4
30°	223.9	223.0	222.0	217.4	212.7	209.7	206.7	59.4	226.8
35°	215.3	214.0	212.6	206.8	200.9	196.8	192.7	64.7	291.5
40°	205.3	203.7	202.1	195.0	187.8	182.7	177.5	68.3	359.8
45°	193.8	191.9	190.0	181.6	173.2	166.7	160.1	69.8	429.6
50°	182.3	179.9	177.4	167.8	158.2	150.4	142.7	69.7	499.3
55°	170.2	167.4	164.5	153.6	142.7	133.5	124.4	68.0	567.3
60°	157.1	154.0	150.8	138.5	126.1	115.4	104.7	64.5	631.9
65°	144.6	141.2	137.8	124.2	110.6	98.0	85.5	60.2	692.1
70°	131.9	128.3	124.7	110.2	95.8	81.0	66.3	54.9	746.9
75°	119.0	115.0	111.1	96.0	80.9	62.5	44.0	48.3	795.2
80°	106.8	102.9	99.0	83.5	67.9	49.8	31.7	42.5	837.7
85°	95.0	91.2	87.4	74.0	60.5	39.0	17.4	37.1	874.8
90°	83.4	79.7	76.0	61.4	46.8	27.4	8.1	30.8	905.6
95°	69.9	64.9	59.9	48.7	37.5	20.9	4.4	24.5	930.1
100°	59.9	54.9	50.0	38.0	26.1	14.5	2.9	19.3	949.4
105°	53.0	49.1	45.3	33.5	21.6	12.2	2.8	16.7	966.2
110°	45.4	42.3	39.1	28.4	17.7	10.2	2.7	13.9	980.1
115°	38.2	35.7	33.2	23.7	14.2	8.4	2.5	11.2	991.3
120°	31.9	29.5	27.1	19.0	10.8	6.7	2.5	8.7	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 Ecopack® 31	Order number: 51LJ12MNM70A + 59LJ203 EAN: 4058352589595 + 4058352612422	LP number 59349_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	21.6	23.3	22.0	23.7	24.1	21.1	22.8	21.6	23.2	23.7
	3H	23.6	25.2	24.1	25.6	26.1	22.8	24.4	23.3	24.8	25.3
	4H	24.6	26.1	25.1	26.5	27.0	23.4	24.9	23.9	25.4	25.8
	6H	25.6	26.9	26.1	27.4	27.9	24.0	25.4	24.5	25.8	26.3
	8H	26.1	27.4	26.6	27.9	28.4	24.2	25.5	24.7	26.0	26.5
	12H	26.6	27.7	27.1	28.3	28.8	24.4	25.6	24.9	26.1	26.7
4H	2H	22.3	23.8	22.8	24.2	24.7	22.0	23.4	22.4	23.8	24.3
	3H	24.6	25.8	25.1	26.3	26.9	23.8	25.1	24.3	25.6	26.1
	4H	25.8	26.9	26.3	27.4	28.0	24.7	25.8	25.2	26.3	26.9
	6H	26.9	27.9	27.4	28.4	29.0	25.4	26.4	25.9	26.9	27.5
	8H	27.5	28.4	28.0	29.0	29.6	25.7	26.7	26.3	27.2	27.8
	12H	28.0	28.8	28.6	29.4	30.1	25.9	26.8	26.5	27.4	28.0
8H	4H	26.2	27.1	26.7	27.7	28.3	25.2	26.1	25.8	26.7	27.3
	6H	27.6	28.4	28.1	28.9	29.6	26.2	27.0	26.8	27.6	28.2
	8H	28.3	29.0	28.9	29.6	30.2	26.7	27.4	27.3	28.0	28.7
	12H	28.9	29.6	29.6	30.2	30.9	27.1	27.7	27.7	28.3	29.0
12H	4H	26.2	27.0	26.8	27.6	28.3	25.3	26.1	25.9	26.7	27.4
	6H	27.6	28.3	28.3	29.0	29.6	26.4	27.1	27.0	27.7	28.4
	8H	28.4	29.1	29.1	29.7	30.4	27.0	27.6	27.6	28.2	28.9

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1443	H(C0) = 29	H(C180) = 29
			B = 56	H(C90) = 0	H(C270) = 0

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°		15645.5	15671.3	16067.1	16283.6	16855.5	18005.5	19617.6	
50°		15193.5	15185.1	15578.3	15742.2	16292.1	17482.6	19230.7	
55°		14777.3	14742.8	15143.7	15231.5	15733.2	16928.2	18785.9	
60°		14351.0	14293.8	14707.6	14681.0	15086.5	16230.0	18143.3	
65°		14046.7	13963.0	14393.4	14259.2	14580.4	15610.3	17517.8	
70°		13793.3	13687.4	14146.7	13915.7	14172.1	14997.9	16787.6	
75°		13576.8	13430.6	13909.3	13581.3	13778.5	13932.7	14710.5	
80°		13527.4	13376.4	13938.4	13531.8	13724.0	14117.9	15822.2	
85°		13643.1	13491.6	14178.6	14176.1	15193.4	15291.1	17273.2	

Photometric test report

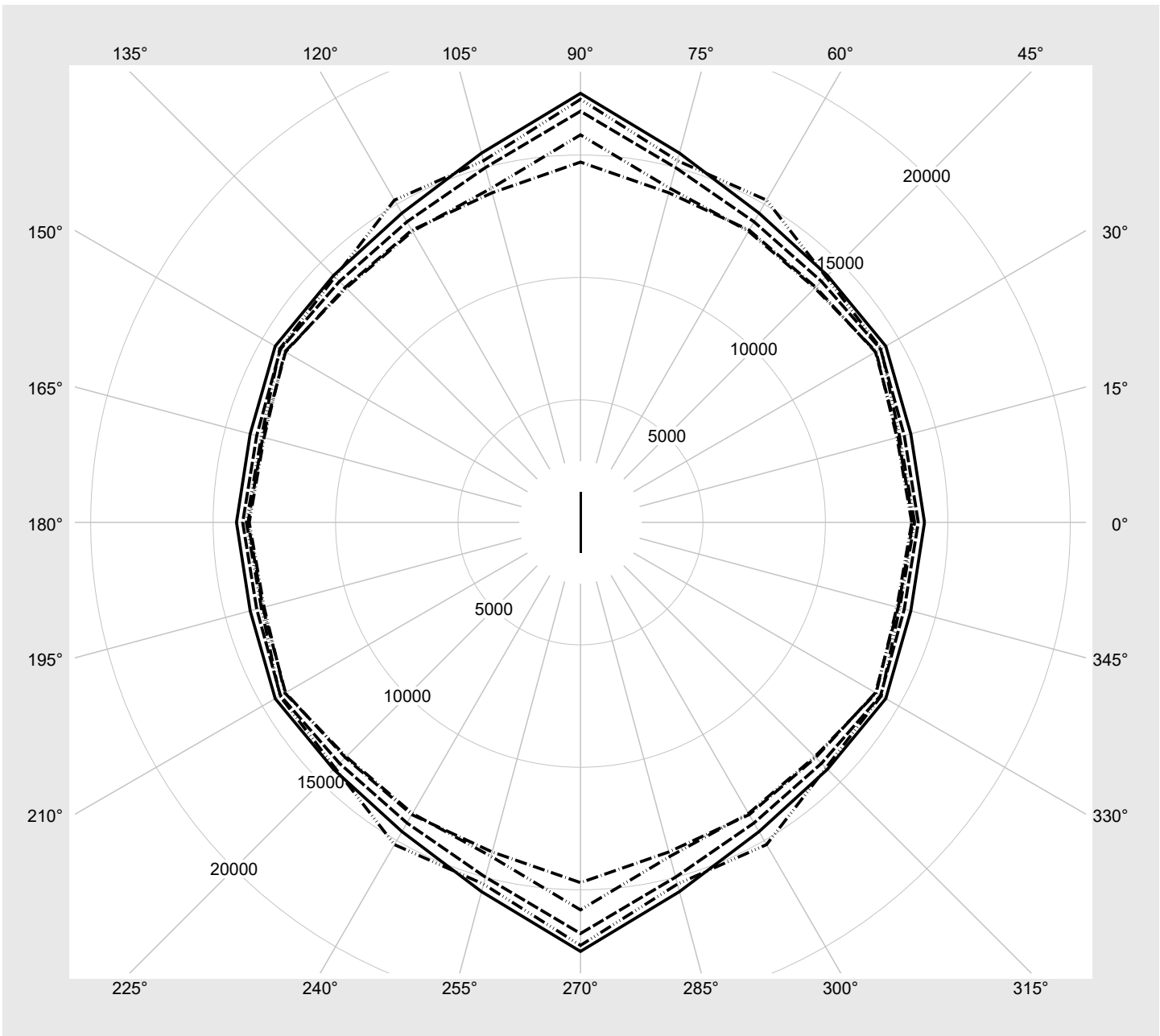
Family
Ecopack® 31

Order number: 51LJ12MNM70A + 59LJ203
EAN: 4058352589595 + 4058352612422

LP number
59349_5

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



Photometric test report

Family Ecopack® 31	Order number: 51LJ12MNM70A + 59LJ203 EAN: 4058352589595 + 4058352612422	LP number 59349_5
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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	ON	ON	7000	51.5
2	ON	OFF	6020	43.5
1	OFF	ON	5070	35.5
0	OFF	OFF	4110	28.5