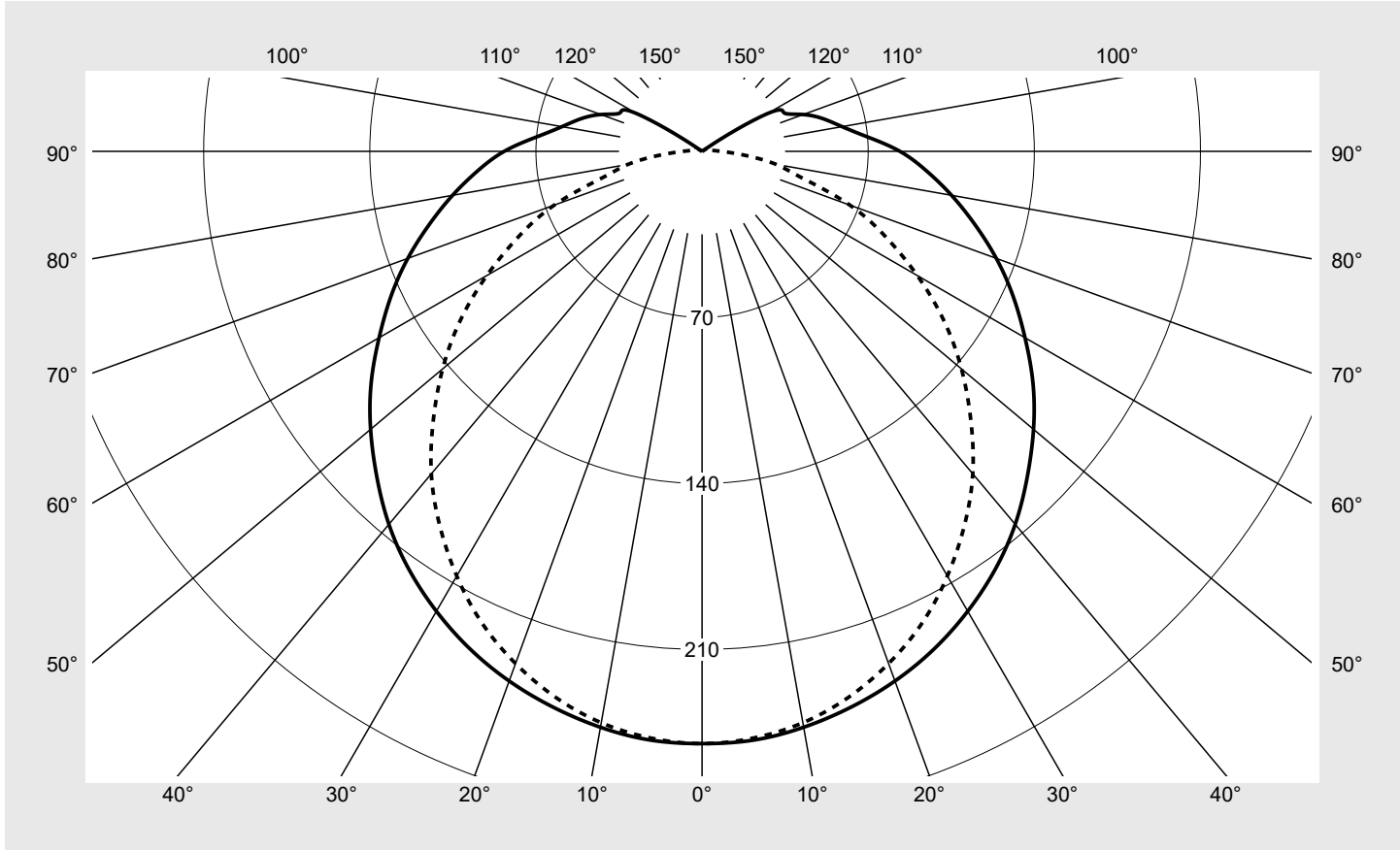


Photometric test report

Family Ecopack® 31	Order number: 51LJ12MNM70A EAN: 4058352589595	LP number 59349_4
	Version	diffuser optic, frosted, polycarbonate, adjustable color temperature: 3000K 4000K 5000K, extremely wide distribution
	Lamps	LED 5000 K CRI ≥ 80
	Controlgear	ECG Multilumen
	Setting	individual position: colour temperature 5000K
	Rated values	Net luminous flux = 6780 lm Power consumption = 50.0 W Luminous efficacy = 135.6 lm/W
		serial documentation 19.08.2022
		

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 EAN: 4058352589595	LP number 59349_4
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 EAN: 4058352589595	LP number 59349_4
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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	21.5	23.2	21.9	23.5	24.0	21.0	22.7	21.4	23.1	23.5
	3H	23.5	25.1	24.0	25.5	25.9	22.7	24.3	23.2	24.7	25.2
	4H	24.5	26.0	25.0	26.4	26.9	23.3	24.8	23.8	25.2	25.7
	6H	25.5	26.8	26.0	27.3	27.8	23.9	25.2	24.3	25.7	26.2
	8H	26.0	27.2	26.5	27.7	28.3	24.1	25.4	24.6	25.9	26.4
	12H	26.5	27.6	27.0	28.1	28.7	24.3	25.5	24.8	26.0	26.5
4H	2H	22.2	23.7	22.7	24.1	24.6	21.8	23.3	22.3	23.7	24.2
	3H	24.5	25.7	25.0	26.2	26.8	23.7	25.0	24.2	25.5	26.0
	4H	25.6	26.8	26.2	27.3	27.9	24.5	25.7	25.1	26.2	26.8
	6H	26.8	27.8	27.3	28.3	28.9	25.3	26.3	25.8	26.8	27.4
	8H	27.4	28.3	27.9	28.9	29.5	25.6	26.6	26.2	27.1	27.7
	12H	27.9	28.7	28.5	29.3	30.0	25.8	26.7	26.4	27.3	27.9
8H	4H	26.0	27.0	26.6	27.6	28.2	25.1	26.0	25.7	26.6	27.2
	6H	27.4	28.2	28.0	28.8	29.5	26.1	26.9	26.7	27.5	28.1
	8H	28.1	28.9	28.7	29.5	30.1	26.6	27.3	27.2	27.9	28.6
	12H	28.8	29.4	29.5	30.1	30.8	27.0	27.6	27.6	28.2	28.9
12H	4H	26.1	26.9	26.7	27.5	28.2	25.2	26.0	25.8	26.6	27.3
	6H	27.5	28.2	28.1	28.8	29.5	26.3	27.0	26.9	27.6	28.3
	8H	28.3	28.9	28.9	29.6	30.3	26.9	27.5	27.5	28.1	28.8

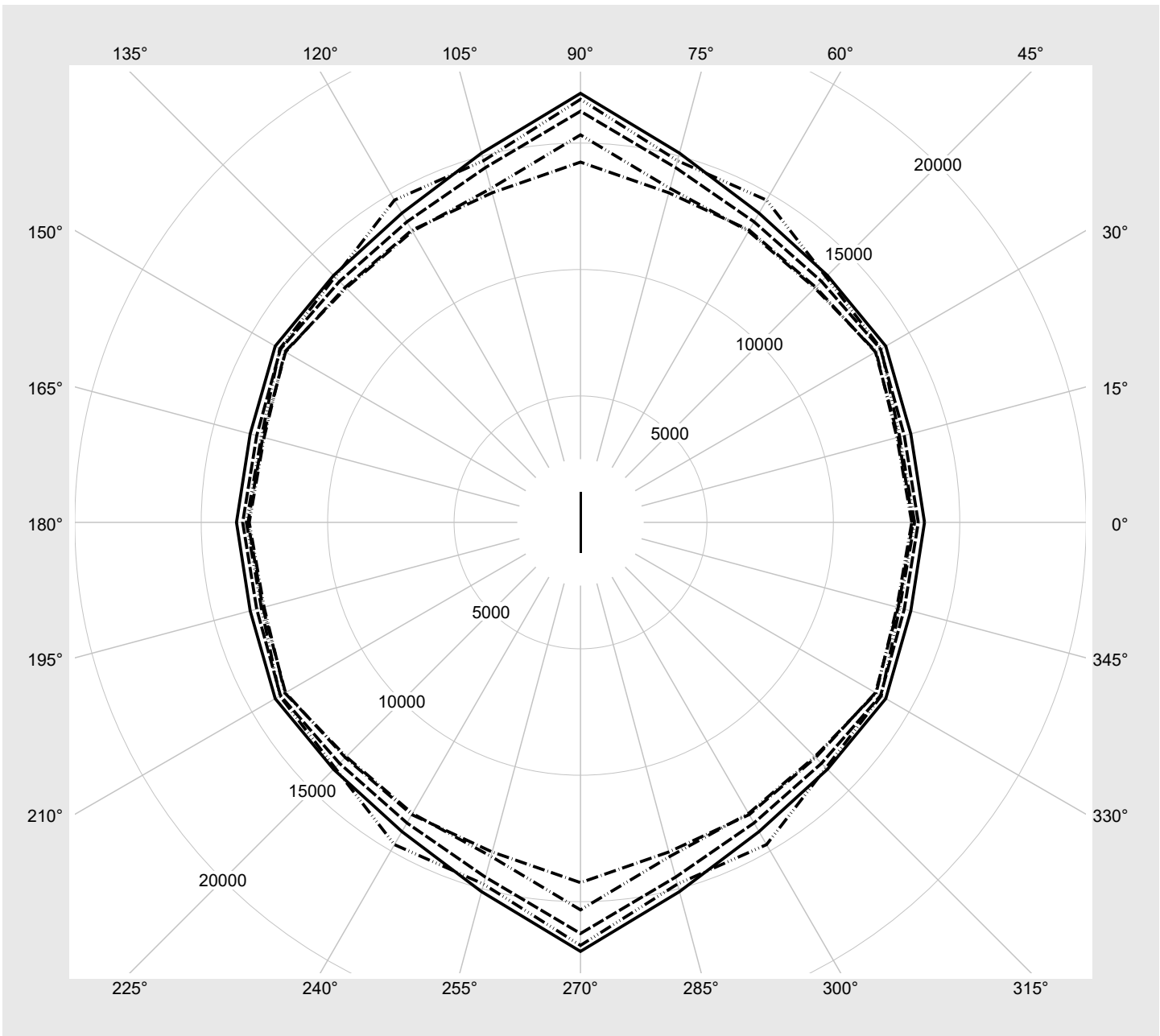
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1443	H(C0) = 29	H(C180) = 29
			B = 56	H(C90) = 0	H(C270) = 0

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°	45°	15153.8	15178.8	15562.2	15771.8	16325.7	17439.6	19001.0	
50°	50°	14716.0	14707.9	15088.6	15247.4	15780.1	16933.1	18626.3	
55°	55°	14312.9	14279.4	14667.7	14752.8	15238.7	16396.1	18195.4	
60°	60°	13899.9	13844.5	14245.3	14219.6	14612.3	15719.9	17573.1	
65°	65°	13605.2	13524.2	13941.0	13811.0	14122.2	15119.7	16967.2	
70°	70°	13359.8	13257.2	13702.1	13478.4	13726.7	14526.5	16260.0	
75°	75°	13150.1	13008.5	13472.1	13154.5	13345.4	13494.8	14248.1	
80°	80°	13102.2	12956.0	13500.4	13106.5	13292.7	13674.2	15324.9	
85°	85°	13214.4	13067.5	13733.0	13730.6	14715.9	14810.5	16730.3	

Photometric test report

Family Ecopack® 31	Order number: 51LJ12MNM70A EAN: 4058352589595	LP number 59349_4
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

Family Ecopack® 31	Order number: 51LJ12MNM70A EAN: 4058352589595	LP number 59349_4
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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	6780	50.0
2	ON	OFF	5940	42.0
1	OFF	ON	5010	34.0
0	OFF	OFF	4070	27.0