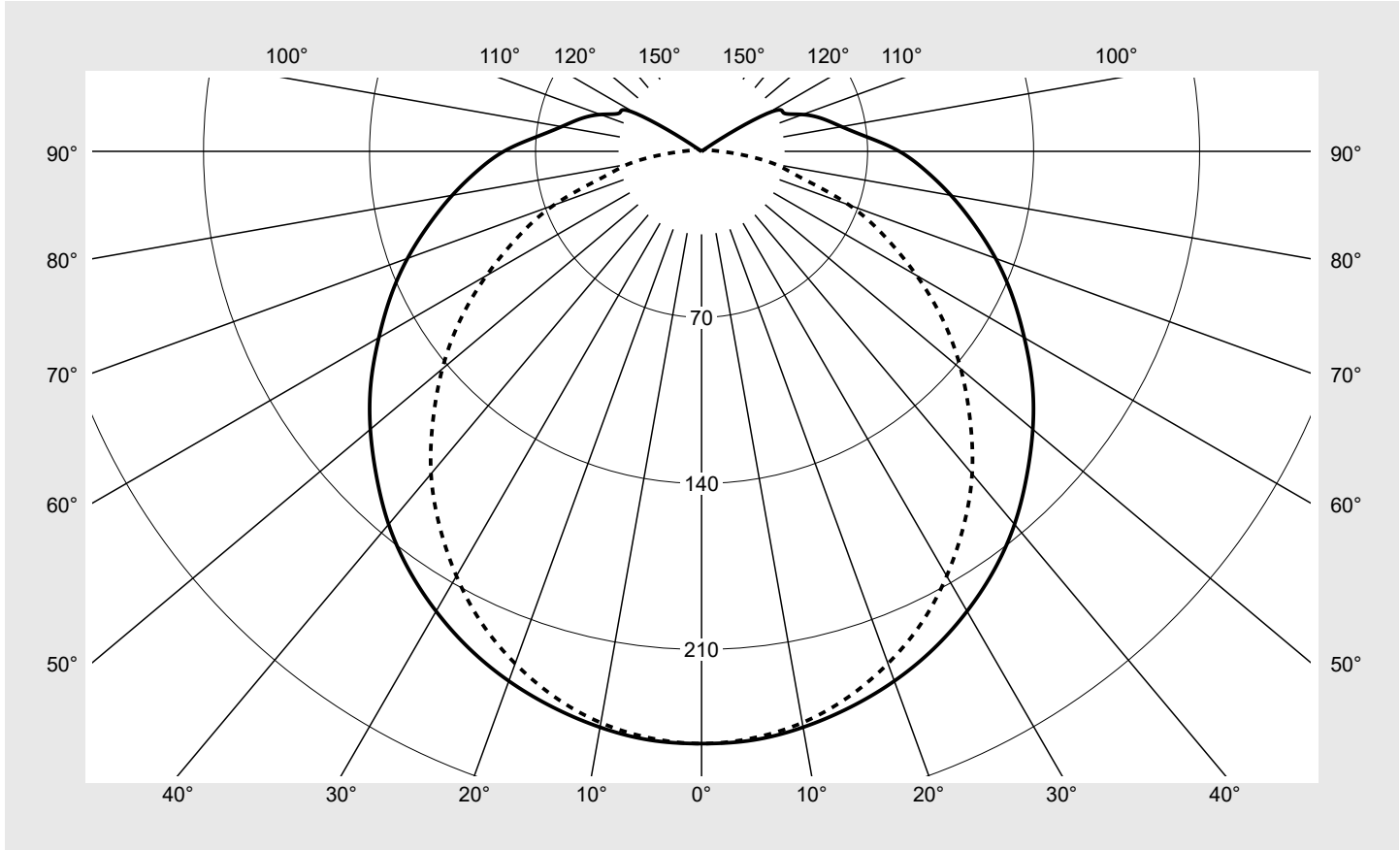


Photometric test report

Family Ecopack® 31	Order number: 51LJ12DNM80A EAN: 4058352589526	LP number 59349_14
	Version diffuser optic, frosted, polycarbonate, adjustable color temperature: 3000K 4000K 5000K, extremely wide distribution Lamps LED 5000 K CRI ≥ 80 Controlgear ECG-DALI Setting individual position: colour temperature 5000K Rated values Net luminous flux = 6780 lm Power consumption = 52.0 W Luminous efficacy = 130.4 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: 51LJ12DNM80A EAN: 4058352589526	LP number 59349_14
Table of values for luminous intensities		Maximum luminous intensity



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°	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: 51LJ12DNM80A EAN: 4058352589526	LP number 59349_14
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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: 51LJ12DNM80A EAN: 4058352589526	LP number 59349_14
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

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