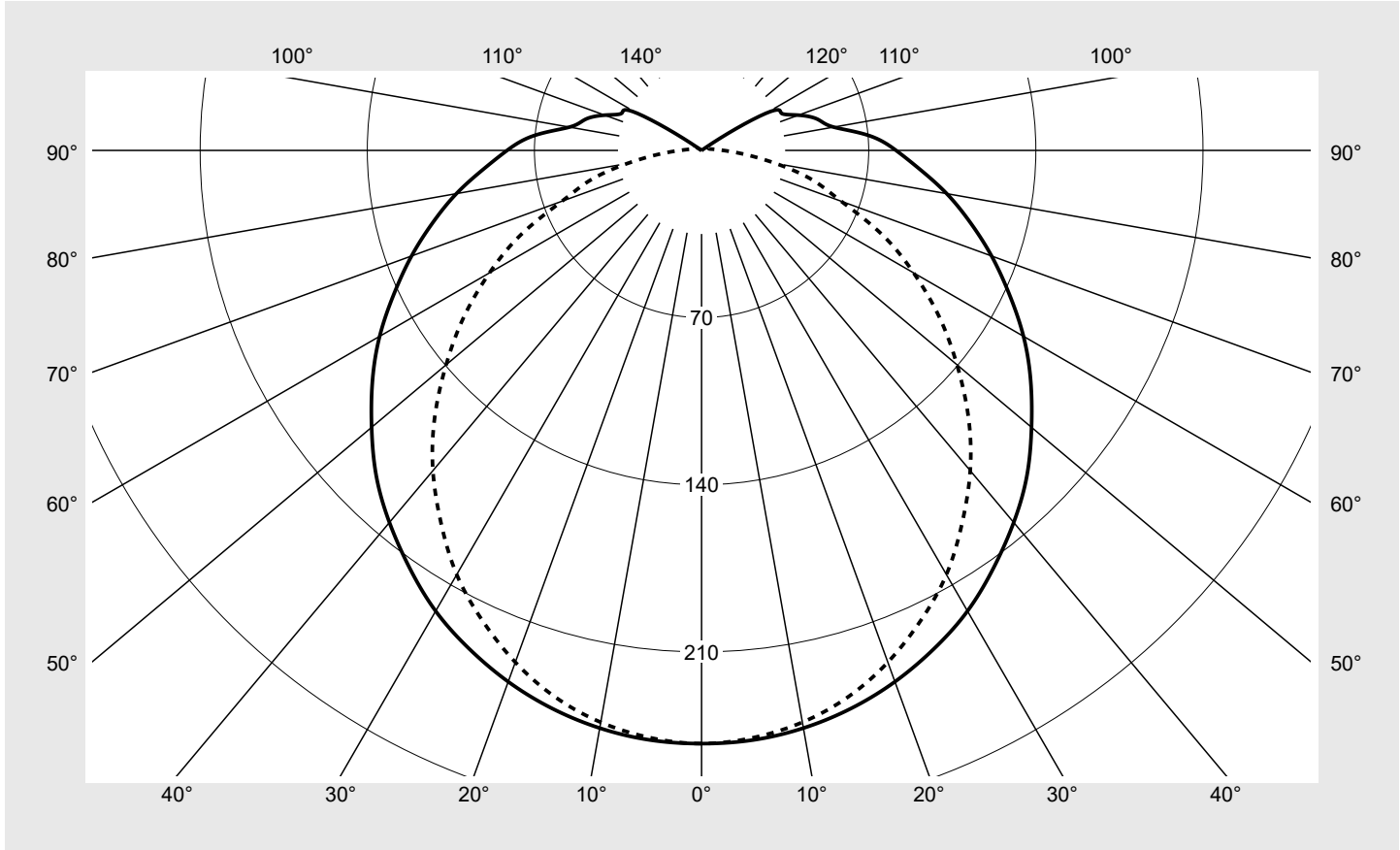


Photometric test report

Family Ecopack® 31	Order number: 51LJ12MKM40A + 59LJ203 EAN: 4058352589564 + 4058352612422	LP number 59348_8
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	emergency light operation: 3 h	
Rated values	Net luminous flux = 540 lm Power consumption = 4.0 W Luminous efficacy = 135 lm/W	



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 248 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	88.8%
ϕ_o	11.2%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Ecopack® 31	Order number: 51LJ12MKM40A + 59LJ203 EAN: 4058352589564 + 4058352612422	LP number 59348_8
------------------------------	--	-----------------------------



Table of values for luminous intensities	Maximum luminous intensity
---	-----------------------------------

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°	248.4	248.4	248.4	248.4	248.4	248.4	248.4	1.5	1.5
5°	247.8	248.0	248.2	247.6	247.0	246.9	246.9	11.8	13.3
10°	245.6	246.0	246.3	244.9	243.5	243.3	243.2	23.3	36.6
15°	241.9	242.3	242.7	240.5	238.4	237.7	237.0	34.1	70.7
20°	236.8	237.0	237.1	234.0	230.9	229.5	228.1	43.8	114.5
25°	230.3	230.4	230.5	226.1	221.8	219.5	217.2	52.2	166.7
30°	222.7	222.6	222.5	216.9	211.3	208.2	205.1	59.2	225.8
35°	213.3	213.1	212.8	205.7	198.6	194.5	190.3	64.3	290.1
40°	203.4	202.9	202.5	193.9	185.3	180.1	175.0	67.8	357.8
45°	192.7	192.1	191.5	181.3	171.1	164.6	158.1	69.5	427.3
50°	180.4	179.6	178.8	167.2	155.7	147.7	139.7	69.2	496.6
55°	168.3	167.2	166.2	153.2	140.3	130.9	121.5	67.6	564.1
60°	155.7	154.5	153.3	139.2	125.1	113.8	102.5	64.5	628.6
65°	142.1	141.2	140.3	124.9	109.4	96.4	83.4	60.0	688.6
70°	129.3	128.0	126.8	110.8	94.9	78.6	62.2	54.5	743.1
75°	116.5	115.1	113.8	97.8	81.8	65.0	48.3	49.1	792.2
80°	104.3	102.8	101.4	86.0	70.6	51.1	31.7	43.2	835.4
85°	91.9	90.5	89.2	73.8	58.4	38.0	17.7	36.8	872.2
90°	81.5	79.6	77.8	62.8	47.8	28.4	9.1	31.2	903.4
95°	70.6	66.3	62.0	50.4	38.9	22.1	5.3	25.3	928.7
100°	56.2	54.3	52.5	39.2	26.0	14.7	3.5	19.5	948.1
105°	50.3	48.5	46.6	34.6	22.7	12.9	3.1	16.9	965.1
110°	43.2	41.8	40.4	29.8	19.3	11.1	2.9	14.2	979.3
115°	36.9	35.3	33.8	24.8	15.9	9.4	2.8	11.5	990.8
120°	31.0	29.8	28.6	20.6	12.7	7.7	2.6	9.2	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: 51LJ12MKM40A + 59LJ203 EAN: 4058352589564 + 4058352612422	LP number 59348_8
------------------------------	--	-----------------------------

UGR-Table		Standard room									
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	13.5	15.2	13.9	15.6	16.0	13.0	14.7	13.4	15.0	15.5
	3H	15.5	17.1	16.0	17.5	18.0	14.6	16.2	15.0	16.6	17.0
	4H	16.5	17.9	17.0	18.4	18.9	15.3	16.8	15.8	17.2	17.7
	6H	17.5	18.8	18.0	19.3	19.8	15.9	17.3	16.4	17.7	18.2
	8H	18.0	19.2	18.5	19.7	20.2	16.1	17.4	16.6	17.9	18.4
	12H	18.4	19.5	18.9	20.1	20.6	16.3	17.5	16.8	18.0	18.6
4H	2H	14.2	15.7	14.7	16.1	16.6	13.8	15.2	14.3	15.7	16.2
	3H	16.5	17.8	17.0	18.3	18.8	15.7	16.9	16.2	17.4	17.9
	4H	17.7	18.8	18.2	19.3	19.9	16.5	17.7	17.1	18.2	18.8
	6H	18.8	19.8	19.3	20.3	20.9	17.3	18.3	17.9	18.9	19.5
	8H	19.4	20.3	19.9	20.8	21.5	17.7	18.6	18.2	19.2	19.8
	12H	19.9	20.7	20.5	21.3	21.9	17.9	18.7	18.5	19.3	20.0
8H	4H	18.1	19.0	18.6	19.6	20.2	17.1	18.1	17.7	18.6	19.2
	6H	19.5	20.3	20.1	20.9	21.5	18.2	19.0	18.8	19.6	20.2
	8H	20.2	20.9	20.8	21.5	22.2	18.6	19.4	19.3	20.0	20.6
	12H	20.8	21.4	21.5	22.1	22.8	19.0	19.6	19.7	20.3	21.0
12H	4H	18.1	19.0	18.7	19.6	20.2	17.2	18.0	17.8	18.6	19.3
	6H	19.6	20.3	20.2	20.9	21.6	18.4	19.1	19.0	19.7	20.4
	8H	20.4	21.0	21.0	21.6	22.3	18.9	19.6	19.6	20.2	20.9

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1142	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°		1515.9	1528.8	1578.3	1584.6	1623.2	1733.2	1887.5
50°		1465.3	1477.9	1530.3	1529.3	1562.8	1672.6	1834.5
55°		1424.0	1435.9	1491.2	1481.3	1508.1	1617.7	1789.1
60°		1385.9	1397.8	1457.0	1438.2	1458.0	1559.8	1731.8
65°		1345.5	1361.4	1429.1	1397.4	1405.6	1496.4	1666.9
70°		1317.1	1331.1	1402.1	1364.1	1369.1	1417.7	1536.4
75°		1295.7	1310.3	1388.6	1347.9	1356.4	1414.5	1576.9
80°		1287.8	1303.2	1391.5	1359.0	1390.4	1412.1	1539.1
85°		1286.6	1305.7	1410.2	1378.1	1427.7	1454.7	1713.5

Photometric test report

Family Ecopack® 31	Order number: 51LJ12MKM40A + 59LJ203 EAN: 4058352589564 + 4058352612422	LP number 59348_8
-------------------------------------	--	------------------------------------

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

