

## Lichttechnischer Prüfbefund

**Familie**  
**Ecopack® 31**

**Bestell-Nr.: 51LJ12DNM80A**  
**EAN: 4058352589526**

**LP-Nummer**  
**59349\_14**



**Ausführung** Diffusoroptik, satiniert, PC, einstellbare Farbtemperatur: 3000K | 4000K | 5000K, extrem breit strahlend

**Bestückung** LED 5000 K | CRI ≥ 80

**Betriebsgerät** EVG-DALI

**Einstellung** indiv. Einstellung: Farbtemperatur 5000K

**Bemessungswerte** Nettolichtstrom = 6780 lm  
 Systemleistung = 52.0 W  
 Lichtausbeute = 130.4 lm/W

**Seriendokumentation**  
 19.08.2022

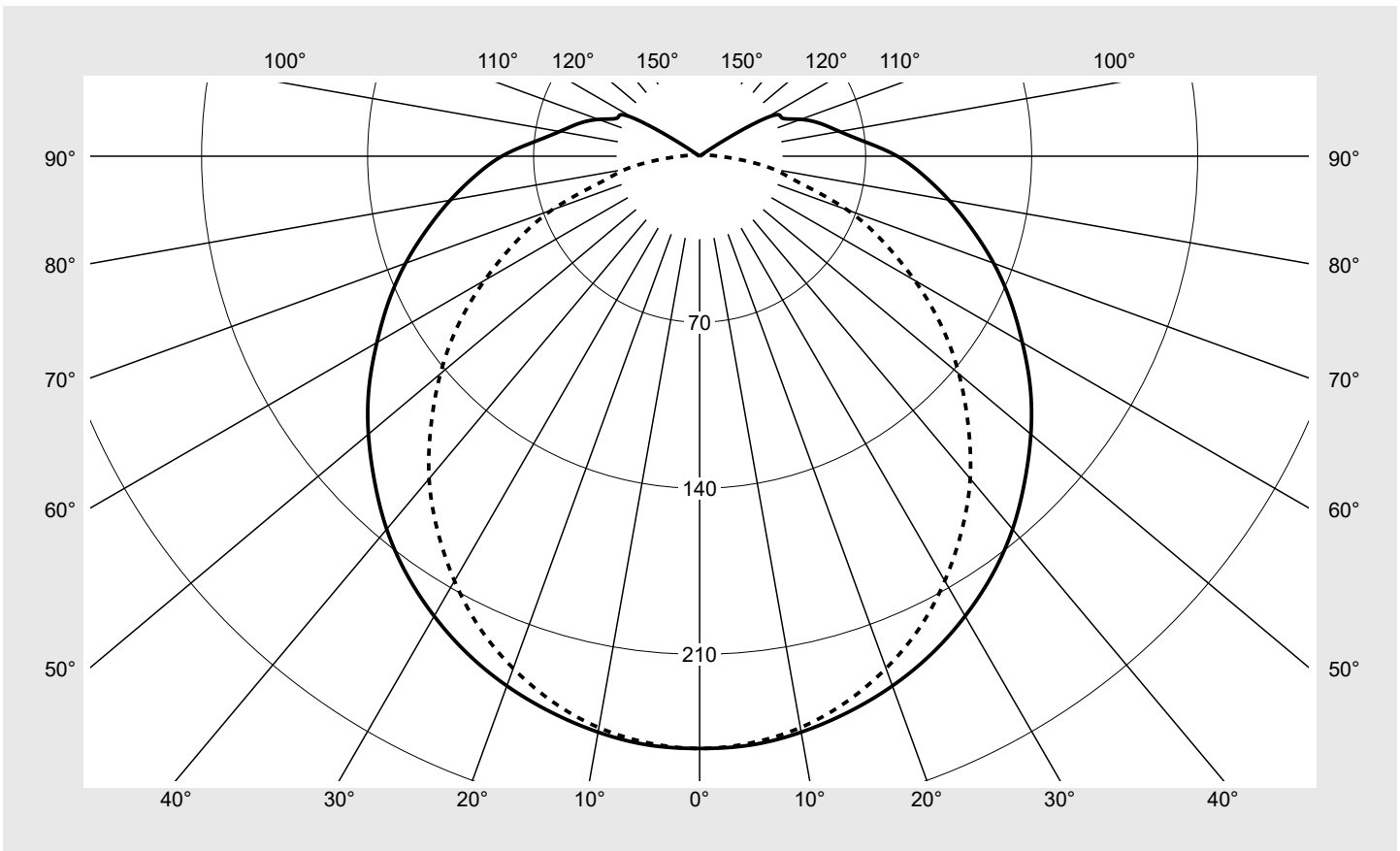
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**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 250 cd/klm**



**Klassifizierungen**

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

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  89,0%  
 $\phi_o$  11,0%

**Messbedingungen**

DIN EN 13032 und DIN 5032

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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>sITeco</b>

C- Ebenen	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-Zone	Summe Phi-Zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
γ									
Lichtstärke in cd/klm									
Lichtstrom 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

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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (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

<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1443 B = 56	H(C0) = 29	H(C180) = 29	H(C90) = 0	H(C270) = 0
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>						
		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°		15153.8	15178.8	15562.2	15771.8	16325.7	17439.6	19001.0
50°		14716.0	14707.9	15088.6	15247.4	15780.1	16933.1	18626.3
55°		14312.9	14279.4	14667.7	14752.8	15238.7	16396.1	18195.4
60°		13899.9	13844.5	14245.3	14219.6	14612.3	15719.9	17573.1
65°		13605.2	13524.2	13941.0	13811.0	14122.2	15119.7	16967.2
70°		13359.8	13257.2	13702.1	13478.4	13726.7	14526.5	16260.0
75°		13150.1	13008.5	13472.1	13154.5	13345.4	13494.8	14248.1
80°		13102.2	12956.0	13500.4	13106.5	13292.7	13674.2	15324.9
85°		13214.4	13067.5	13733.0	13730.6	14715.9	14810.5	16730.3

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**Leuchtdichten in cd/m<sup>2</sup>**

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°

**siteco**

