

## Lichttechnischer Prüfbefund

Familie  
Ecopack® 31

Bestell-Nr.: 51LJ12MNM70A  
EAN: 4058352589595

LP-Nummer  
59349\_3



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

**Bestückung** LED 3000 K | CRI ≥ 80

**Betriebsgerät** EVG-Multilumen

**Einstellung** indiv. Einstellung: Farbtemperatur 3000K

**Bemessungswerte** Nettolichtstrom = 6320 lm  
Systemleistung = 50.0 W  
Lichtausbeute = 126.4 lm/W

Seriendokumentation  
19.08.2022

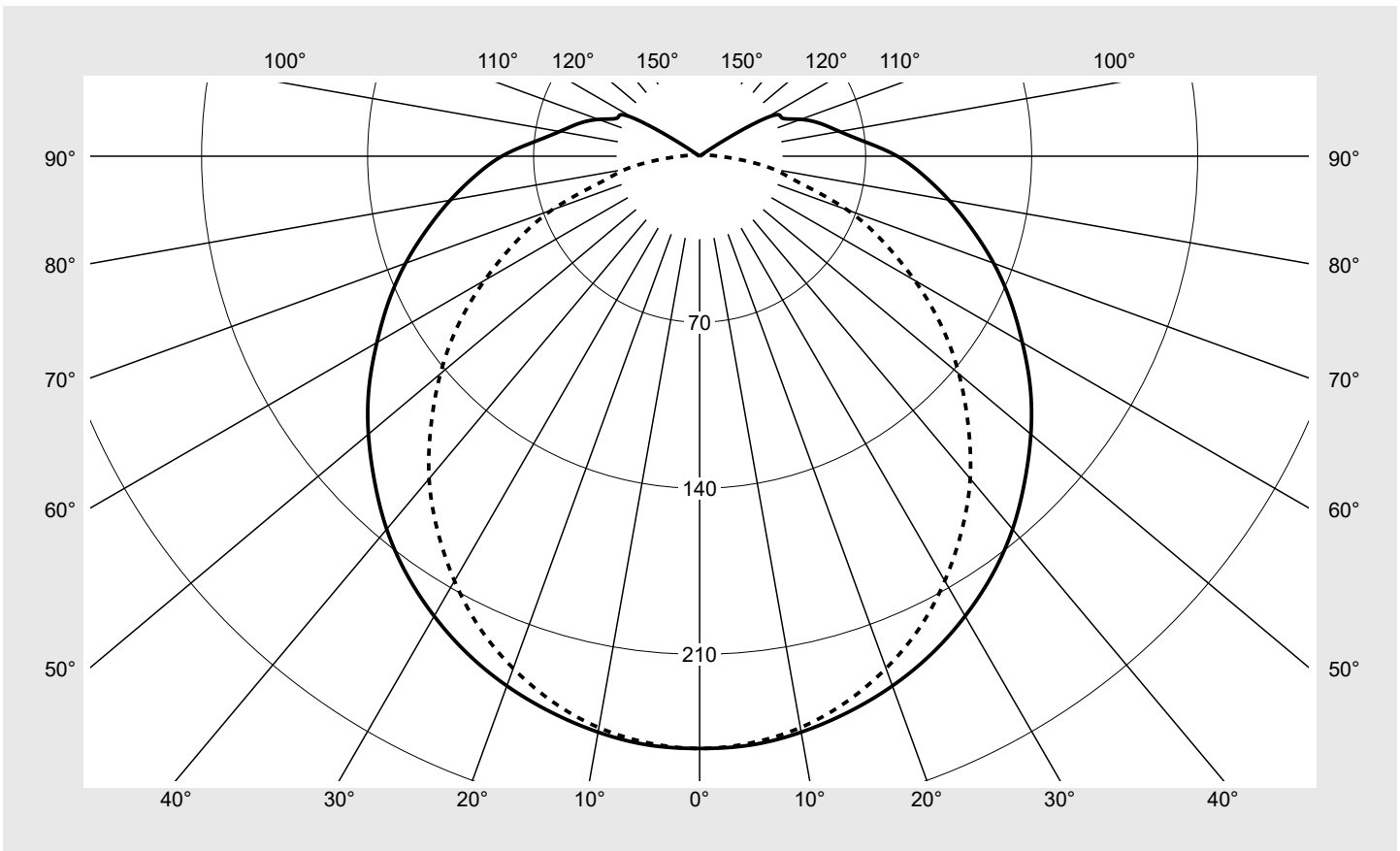
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Lichtstärke in cd/klm

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>
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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°			
Lichtstärke in cd/klm									Lichtstrom in lm/klm
γ									
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	21,2	22,9	21,6	23,3	23,7	20,8	22,5	21,2	22,9	23,3
	3H	23,3	24,8	23,7	25,2	25,7	22,5	24,0	22,9	24,5	24,9
	4H	24,3	25,7	24,7	26,2	26,7	23,1	24,6	23,5	25,0	25,5
	6H	25,3	26,6	25,8	27,1	27,6	23,6	25,0	24,1	25,5	26,0
	8H	25,8	27,0	26,3	27,5	28,0	23,9	25,2	24,4	25,6	26,2
	12H	26,2	27,4	26,7	27,9	28,5	24,0	25,3	24,5	25,8	26,3
4H	2H	22,0	23,4	22,4	23,9	24,3	21,6	23,0	22,1	23,5	24,0
	3H	24,2	25,5	24,7	26,0	26,5	23,5	24,7	24,0	25,2	25,8
	4H	25,4	26,5	25,9	27,1	27,6	24,3	25,4	24,8	26,0	26,5
	6H	26,5	27,5	27,1	28,1	28,7	25,0	26,0	25,6	26,6	27,2
	8H	27,1	28,0	27,7	28,6	29,2	25,4	26,3	25,9	26,9	27,5
	12H	27,7	28,5	28,3	29,1	29,7	25,6	26,5	26,2	27,0	27,7
8H	4H	25,8	26,8	26,4	27,3	27,9	24,9	25,8	25,4	26,3	27,0
	6H	27,2	28,0	27,8	28,6	29,2	25,9	26,6	26,4	27,2	27,9
	8H	27,9	28,6	28,5	29,2	29,9	26,3	27,0	26,9	27,6	28,3
	12H	28,6	29,2	29,2	29,8	30,5	26,7	27,4	27,4	28,0	28,7
12H	4H	25,8	26,7	26,4	27,3	27,9	25,0	25,8	25,6	26,4	27,0
	6H	27,3	28,0	27,9	28,6	29,3	26,0	26,7	26,7	27,3	28,0
	8H	28,1	28,7	28,7	29,3	30,0	26,6	27,2	27,3	27,9	28,6

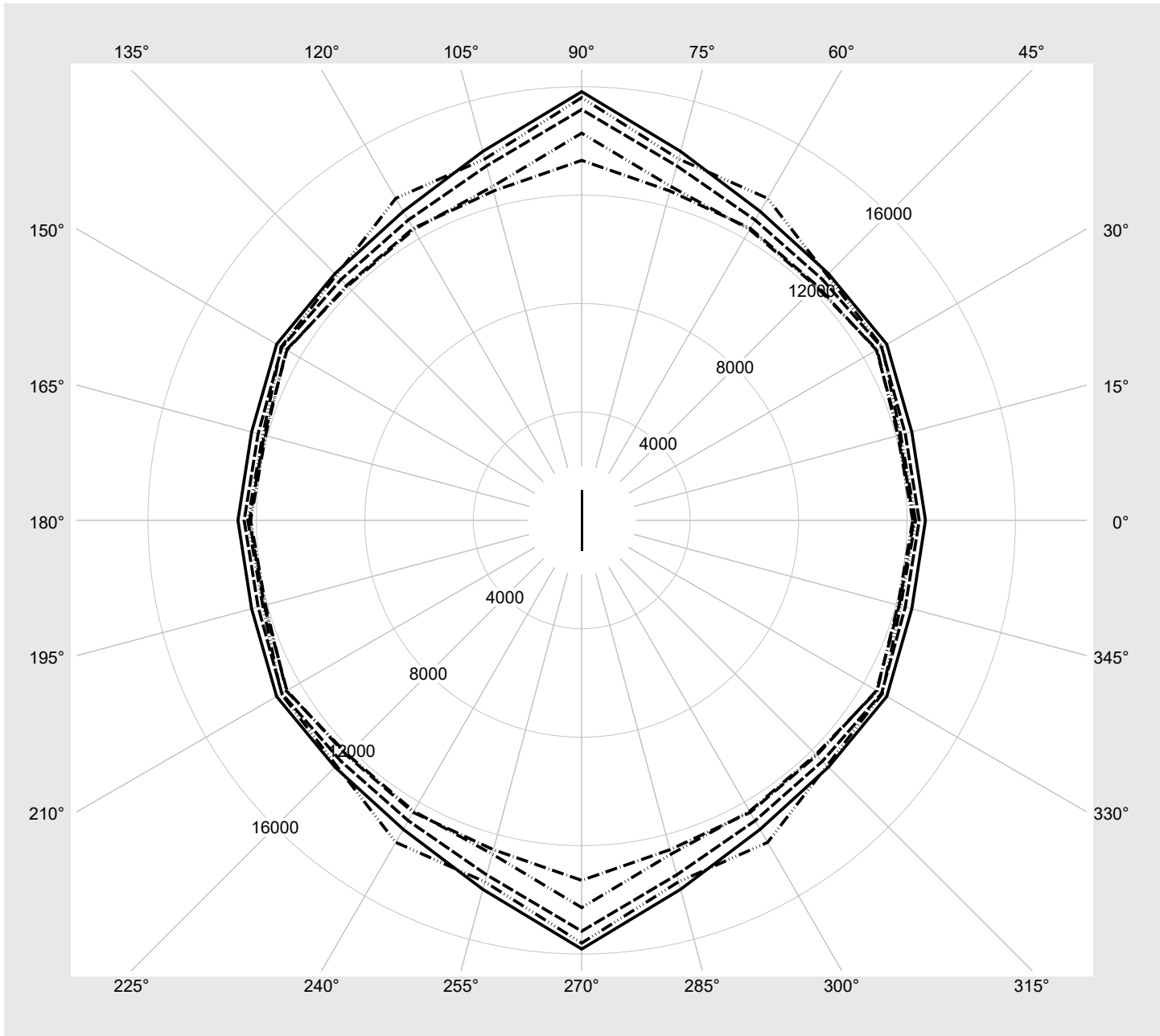
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1443 B = 56	H(C0) = 29	H(C180) = 29	H(C90) = 0	H(C270) = 0
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		14125.6	14149.0	14506.3	14701.7	15218.1	16256.4	17711.9
50°		13717.6	13710.0	14064.9	14213.0	14709.4	15784.2	17362.5
55°		13341.8	13310.6	13672.6	13751.9	14204.8	15283.7	16960.9
60°		12956.9	12905.2	13278.8	13254.9	13620.9	14653.3	16380.8
65°		12682.1	12606.6	12995.2	12874.0	13164.0	14093.8	15816.0
70°		12453.4	12357.7	12772.5	12563.9	12795.4	13541.0	15156.8
75°		12257.9	12125.9	12558.1	12262.0	12440.0	12579.2	13281.4
80°		12213.3	12077.0	12584.4	12217.3	12390.8	12746.5	14285.1
85°		12317.8	12181.0	12801.3	12799.0	13717.5	13805.7	15595.2

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



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<b>Multilumen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>sITeco</b>
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DIP-Stufe	Schalterstellung		Lichtstrom [lm]	Systemleistung [W]
	1	2		
3	ON	ON	6320	50.0
2	ON	OFF	5460	42.0
1	OFF	ON	4620	34.0
0	OFF	OFF	3770	27.0