

## Lichttechnischer Prüfbefund

**Familie**  
Ecopack® 31

**Bestell-Nr.:** 51LJ12MNM70A + 59LJ203  
**EAN:** 4058352589595 + 4058352612422

**LP-Nummer**  
59349\_7

**Ausführung** Diffusoroptik, satiniert, PC, einstellbare  
Farbtemperatur: 3000K | 4000K | 5000K,  
extrem breit strahlend, Notlichtelement 3h  
Betriebsdauer

**Bestückung** LED 5000 K | CRI ≥ 80

**Betriebsgerät** EVG-Multilumen

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

**Bemessungswerte** Nettolichtstrom = 6780 lm  
Systemleistung = 51.5 W  
Lichtausbeute = 131.7 lm/W

**Seriendokumentation**  
19.08.2022

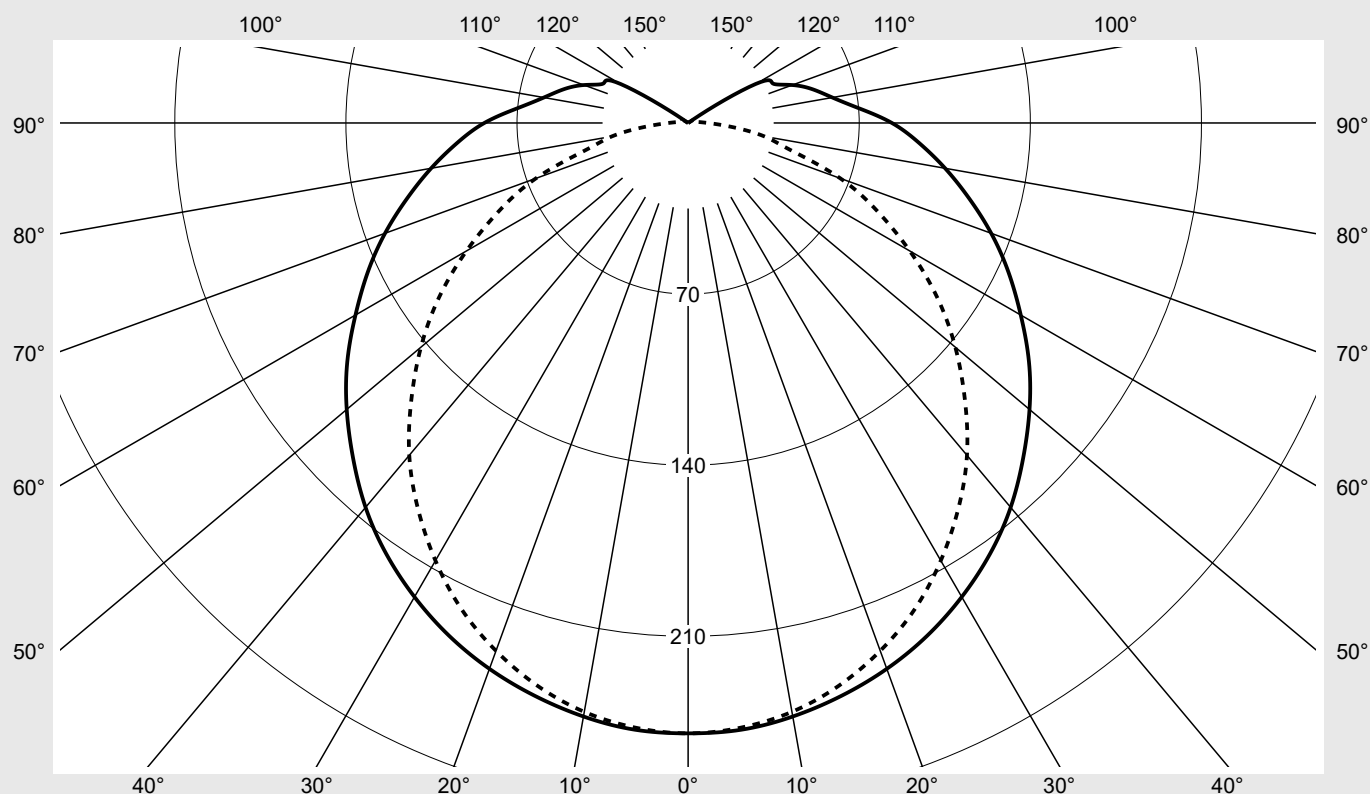
siteco

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

## Lichttechnischer Prüfbefund

<b>Familie</b> Ecopack® 31	<b>Bestell-Nr.: 51LJ12MNM70A + 59LJ203</b> <b>EAN: 4058352589595 + 4058352612422</b>	<b>LP-Nummer</b> 59349_7
<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°			
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

## Lichttechnischer Prüfbefund

<b>Familie</b> Ecopack® 31	<b>Bestell-Nr.: 51LJ12MNM70A + 59LJ203</b> <b>EAN: 4058352589595 + 4058352612422</b>	<b>LP-Nummer</b> 59349_7
-------------------------------	---	-----------------------------

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

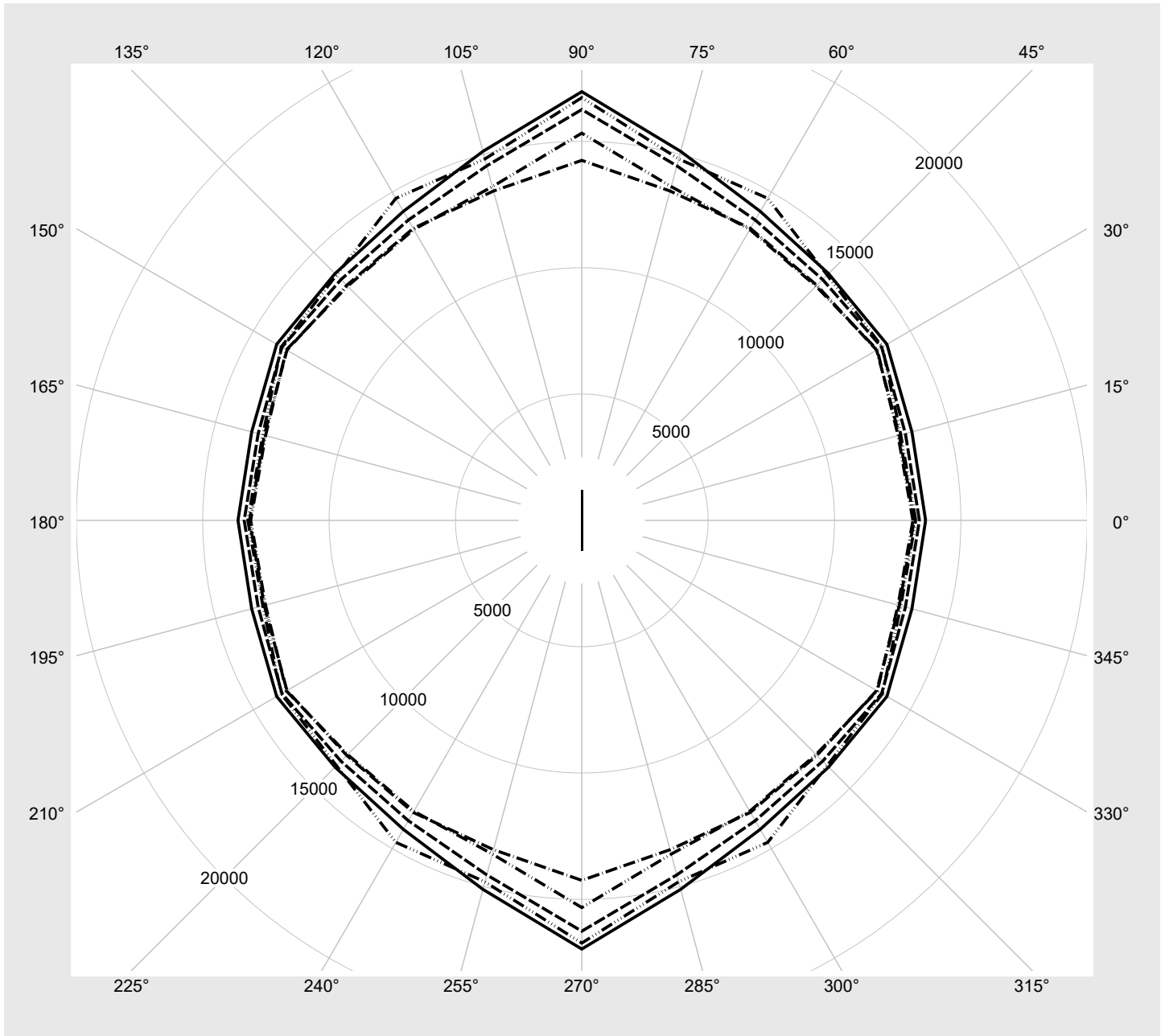
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1443 B = 56	H(C0) = 29	H(C180) = 29	H(C90) = 0	H(C270) = 0
--	---	------------	--------------	------------	-------------

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°	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

**Lichttechnischer Prüfbefund**

<b>Familie</b> Ecopack® 31	<b>Bestell-Nr.: 51LJ12MNM70A + 59LJ203</b> <b>EAN: 4058352589595 + 4058352612422</b>	<b>LP-Nummer</b> 59349_7
-------------------------------	---	-----------------------------

**Leuchtdichten in cd/m<sup>2</sup>**      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**



## Lichttechnischer Prüfbefund

Familie  
Ecopack® 31

Bestell-Nr.: 51LJ12MNM70A + 59LJ203  
EAN: 4058352589595 + 4058352612422

LP-Nummer  
59349\_7

## Multilumen-Tabelle

Umgebungstemperatur: 25°C



DIP-Stufe	Schalterstellung		Lichtstrom [lm]	Systemleistung [W]
	1	2		
3	ON	ON	6780	51.5
2	ON	OFF	5940	43.5
1	OFF	ON	5010	35.5
0	OFF	OFF	4070	28.5