

Lichttechnischer Prüfbefund

Familie
Ecopack® 31

Bestell-Nr.: 51LJ12MNM70A
EAN: 4058352589595

LP-Nummer
59349_1



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

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-Multilumen

Einstellung Werkseinstellung: Farbtemperatur 4000K

Bemessungswerte Nettolichtstrom = 7000 lm
Systemleistung = 50.0 W
Lichtausbeute = 140 lm/W

Seriendokumentation
19.08.2022

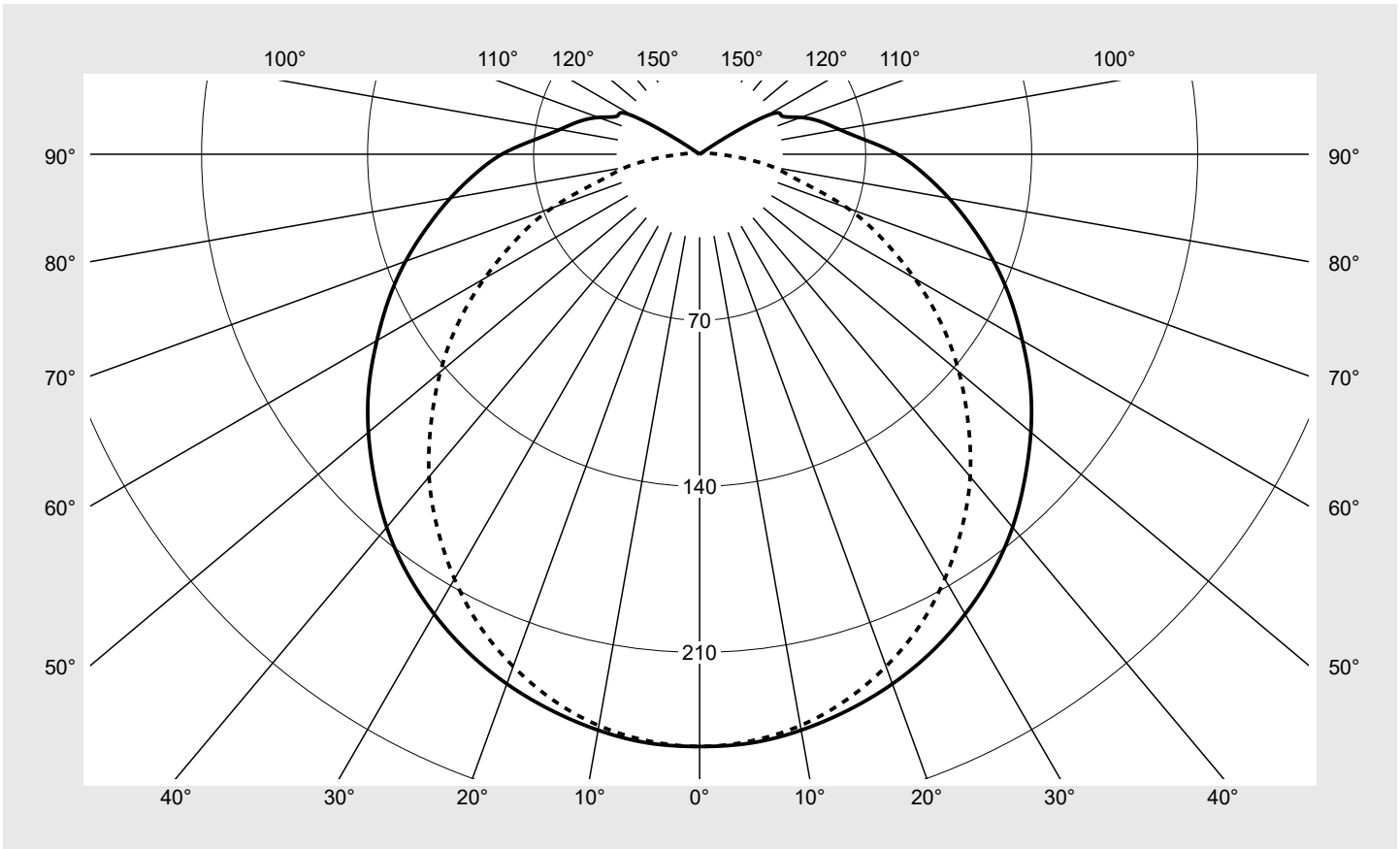
siteco

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

η_{LB} 100,0%
 ϕ_u 89,0%
 ϕ_o 11,0%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Ecopack® 31	Bestell-Nr.: 51LJ12MNM70A EAN: 4058352589595	LP-Nummer 59349_1
-------------------------------	---	-----------------------------

Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	sITeco
--	-----------------------------	---------------

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	
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

Familie Ecopack® 31	Bestell-Nr.: 51LJ12MNM70A EAN: 4058352589595	LP-Nummer 59349_1
-------------------------------	---	-----------------------------

UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	21,6	23,3	22,0	23,7	24,1	21,1	22,8	21,6	23,2	23,7
	3H	23,6	25,2	24,1	25,6	26,1	22,8	24,4	23,3	24,8	25,3
	4H	24,6	26,1	25,1	26,5	27,0	23,4	24,9	23,9	25,4	25,8
	6H	25,6	26,9	26,1	27,4	27,9	24,0	25,4	24,5	25,8	26,3
	8H	26,1	27,4	26,6	27,9	28,4	24,2	25,5	24,7	26,0	26,5
	12H	26,6	27,7	27,1	28,3	28,8	24,4	25,6	24,9	26,1	26,7
4H	2H	22,3	23,8	22,8	24,2	24,7	22,0	23,4	22,4	23,8	24,3
	3H	24,6	25,8	25,1	26,3	26,9	23,8	25,1	24,3	25,6	26,1
	4H	25,8	26,9	26,3	27,4	28,0	24,7	25,8	25,2	26,3	26,9
	6H	26,9	27,9	27,4	28,4	29,0	25,4	26,4	25,9	26,9	27,5
	8H	27,5	28,4	28,0	29,0	29,6	25,7	26,7	26,3	27,2	27,8
	12H	28,0	28,8	28,6	29,4	30,1	25,9	26,8	26,5	27,4	28,0
8H	4H	26,2	27,1	26,7	27,7	28,3	25,2	26,1	25,8	26,7	27,3
	6H	27,6	28,4	28,1	28,9	29,6	26,2	27,0	26,8	27,6	28,2
	8H	28,3	29,0	28,9	29,6	30,2	26,7	27,4	27,3	28,0	28,7
	12H	28,9	29,6	29,6	30,2	30,9	27,1	27,7	27,7	28,3	29,0
12H	4H	26,2	27,0	26,8	27,6	28,3	25,3	26,1	25,9	26,7	27,4
	6H	27,6	28,3	28,3	29,0	29,6	26,4	27,1	27,0	27,7	28,4
	8H	28,4	29,1	29,1	29,7	30,4	27,0	27,6	27,6	28,2	28,9

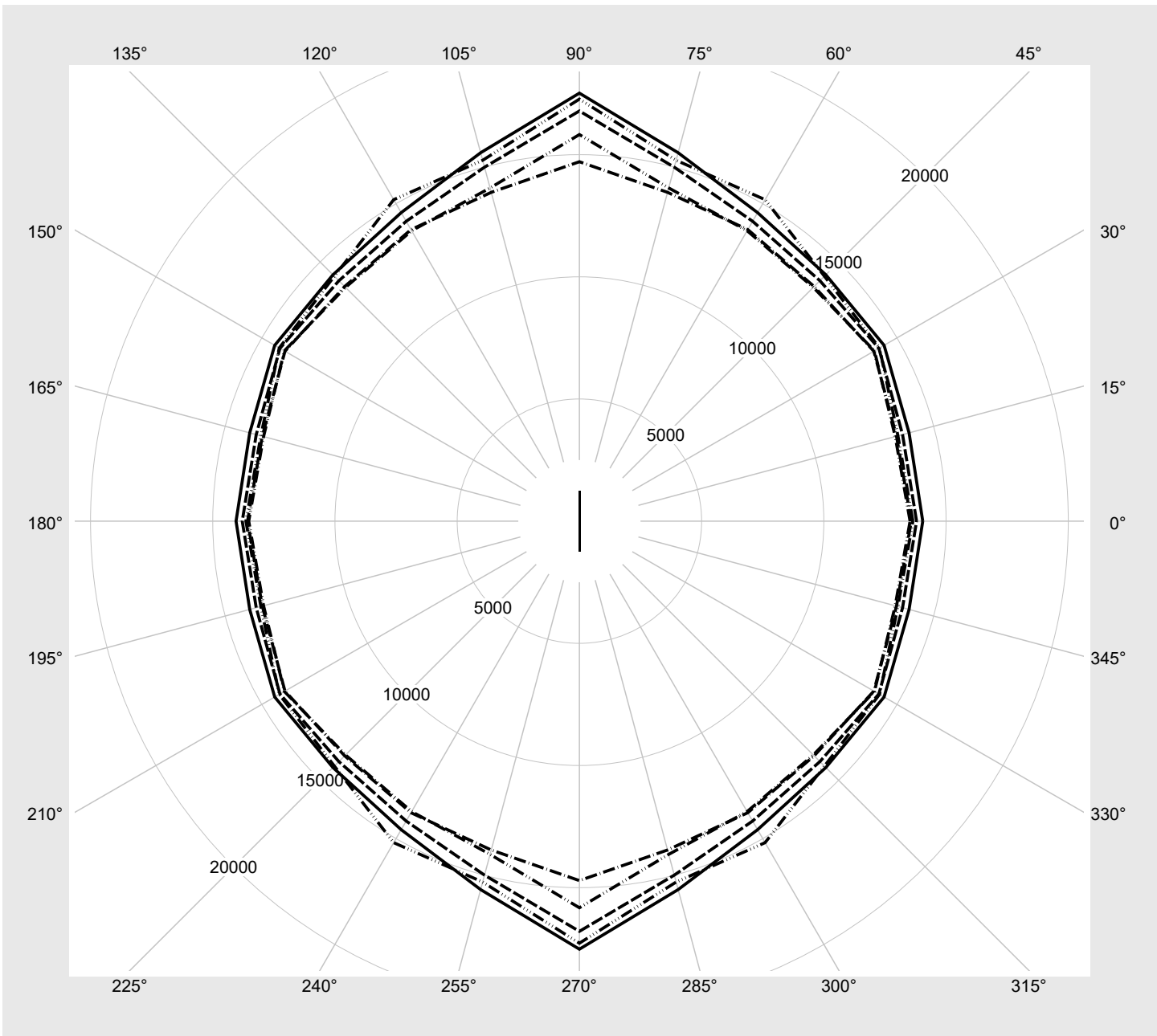
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1443 B = 56	H(C0) = 29 H(C90) = 0	H(C180) = 29 H(C270) = 0
--	--	--------------------------	-----------------------------

C-Ebenen	γ	Leuchtdichte 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°	15645.5	15671.3	16067.1	16283.6	16855.5	18005.5	19617.6
50°	50°	15193.5	15185.1	15578.3	15742.2	16292.1	17482.6	19230.7
55°	55°	14777.3	14742.8	15143.7	15231.5	15733.2	16928.2	18785.9
60°	60°	14351.0	14293.8	14707.6	14681.0	15086.5	16230.0	18143.3
65°	65°	14046.7	13963.0	14393.4	14259.2	14580.4	15610.3	17517.8
70°	70°	13793.3	13687.4	14146.7	13915.7	14172.1	14997.9	16787.6
75°	75°	13576.8	13430.6	13909.3	13581.3	13778.5	13932.7	14710.5
80°	80°	13527.4	13376.4	13938.4	13531.8	13724.0	14117.9	15822.2
85°	85°	13643.1	13491.6	14178.6	14176.1	15193.4	15291.1	17273.2

Lichttechnischer Prüfbefund

Familie Ecopack® 31	Bestell-Nr.: 51LJ12MNM70A EAN: 4058352589595	LP-Nummer 59349_1
-------------------------------	---	-----------------------------

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



Lichttechnischer Prüfbefund

Familie Ecopack® 31	Bestell-Nr.: 51LJ12MNM70A EAN: 4058352589595	LP-Nummer 59349_1
-------------------------------	---	------------------------------------

Multilumen-Tabelle	Umgebungstemperatur: 25°C	sITeco
---------------------------	---------------------------	---------------

DIP-Stufe	Schalterstellung		Lichtstrom [lm]	Systemleistung [W]
	1	2		
3	ON	ON	7000	50.0
2	ON	OFF	6020	42.0
1	OFF	ON	5070	34.0
0	OFF	OFF	4110	27.0