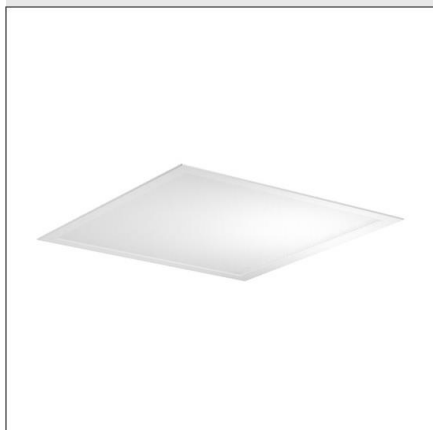


Lichttechnischer Prüfbefund

Familie
Apollon® 31

Bestell-Nr.: 51MP11WD2442
EAN: 4058352926185

LP-Nummer
59516_5



Ausführung Einbauleuchte für Einlegemontage, quadratisch
M625, breit strahlend, UGR≤19
(L65≤3000cd/m²)

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 4000 lm
Systemleistung = 27.5 W
Lichtausbeute = 145.5 lm/W

Seriendokumentation
11.12.2023

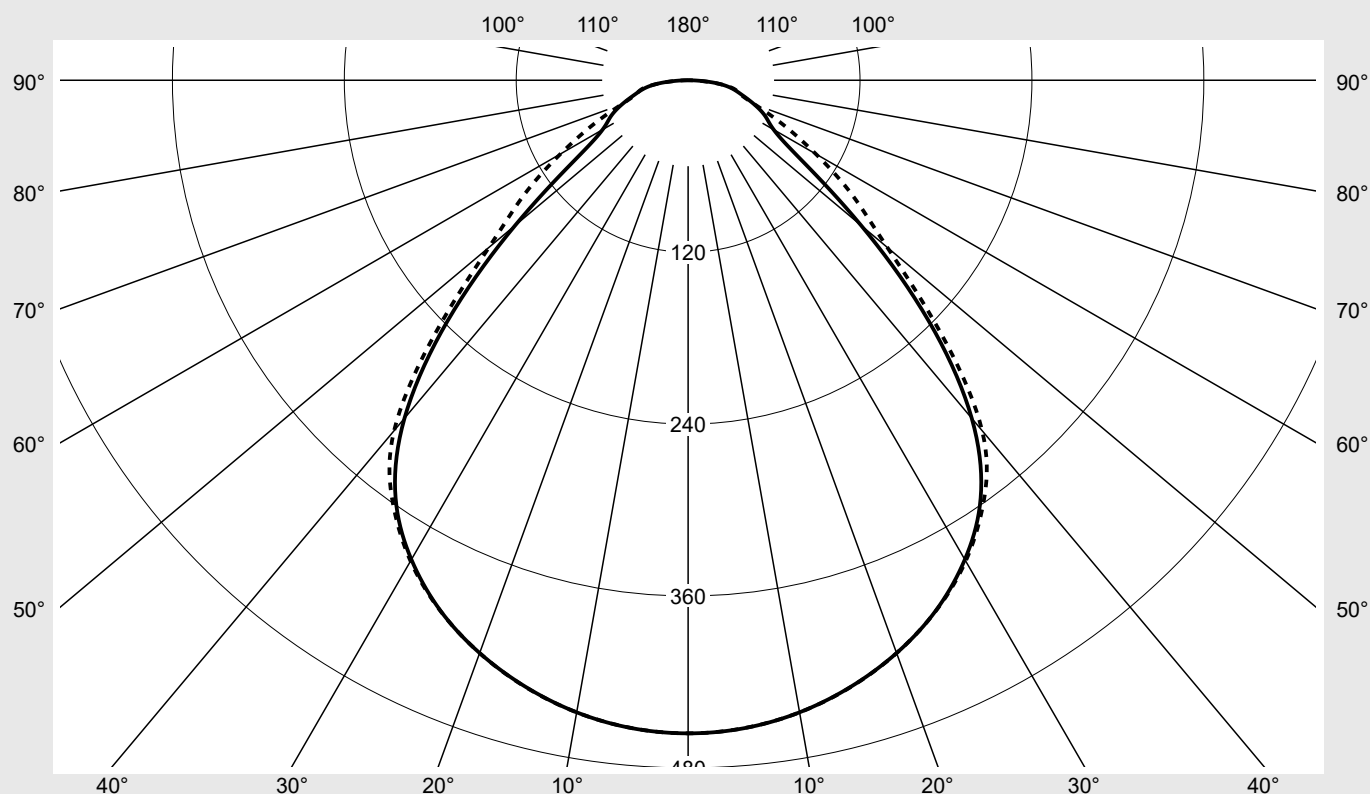
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 456 cd/klm



Klassifizierungen

DIN 5040 A 5 0
CIE N1=61 N2=87 N3=97
N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 100,0%
 ϕ_o 0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Apollon® 31	Bestell-Nr.: 51MP11WD2442 EAN: 4058352926185	LP-Nummer 59516_5
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
siteco		

C- Ebenen	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
γ	Lichtstärke in cd/klm						
0°	455.9	455.9	455.9	455.9	455.9	455.9	455.9
5°	454.0	453.9	453.9	453.9	453.9	453.9	453.9
10°	448.0	448.0	448.0	448.1	448.1	448.1	448.1
15°	438.4	438.3	438.4	438.5	438.5	438.6	438.5
20°	425.5	425.3	425.3	425.5	425.7	425.7	425.5
25°	408.8	408.7	408.7	408.8	409.0	409.1	408.9
30°	386.3	386.6	386.8	387.0	387.1	387.3	387.6
35°	356.0	357.3	358.0	358.0	357.9	358.4	359.6
40°	308.0	312.5	314.7	314.8	313.9	315.4	319.3
45°	237.4	240.4	242.0	242.0	242.8	245.2	249.3
50°	157.6	168.1	171.3	167.4	163.5	168.2	181.5
55°	95.3	119.8	128.0	119.9	107.7	114.5	140.2
60°	69.0	89.0	96.4	91.3	79.3	83.2	102.9
65°	59.5	68.4	72.7	72.3	65.8	66.0	72.9
70°	49.1	51.9	54.5	56.9	54.9	52.5	49.7
75°	38.5	40.5	42.0	43.2	41.8	40.0	37.8
80°	30.1	29.9	29.5	28.8	29.4	30.3	31.5
85°	16.8	15.8	15.0	14.4	15.2	15.6	15.7
90°	0.6	0.6	0.5	0.3	0.3	0.3	0.3
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Lichttechnischer Prüfbefund

Familie Apollon® 31	Bestell-Nr.: 51MP11WD2442 EAN: 4058352926185	LP-Nummer 59516_5
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		sITeco

C- Ebenen	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm						Lichtstrom in lm/klm	
0°	455.9	455.9	455.9	455.9	455.9	455.9	2.7	2.7
5°	453.9	453.9	453.9	453.9	453.9	454.0	21.7	24.4
10°	448.1	448.1	448.1	448.0	448.0	448.0	42.6	67.1
15°	438.6	438.5	438.5	438.4	438.3	438.4	62.2	129.3
20°	425.7	425.7	425.5	425.3	425.3	425.5	79.8	209.0
25°	409.1	409.0	408.8	408.7	408.7	408.8	94.7	303.7
30°	387.3	387.1	387.0	386.8	386.6	386.3	106.1	409.8
35°	358.4	357.9	358.0	358.0	357.3	356.0	112.5	522.3
40°	315.4	313.9	314.8	314.7	312.5	308.0	110.7	633.0
45°	245.2	242.8	242.0	242.0	240.4	237.4	94.0	727.0
50°	168.2	163.5	167.4	171.3	168.1	157.6	70.5	797.6
55°	114.5	107.7	119.9	128.0	119.8	95.3	53.0	850.5
60°	83.2	79.3	91.3	96.4	89.0	69.0	41.5	892.1
65°	66.0	65.8	72.3	72.7	68.4	59.5	34.1	926.1
70°	52.5	54.9	56.9	54.5	51.9	49.1	27.5	953.6
75°	40.0	41.8	43.2	42.0	40.5	38.5	21.7	975.3
80°	30.3	29.4	28.8	29.5	29.9	30.1	16.1	991.4
85°	15.6	15.2	14.4	15.0	15.8	16.8	8.4	999.8
90°	0.3	0.3	0.3	0.5	0.6	0.6	0.2	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	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	1000.0
135°	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	1000.0
145°	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	1000.0
155°	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	1000.0
165°	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	1000.0
175°	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	1000.0

Lichttechnischer Prüfbefund

Familie Apollon® 31	Bestell-Nr.: 51MP11WD2442 EAN: 4058352926185	LP-Nummer 59516_5
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UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
Reflexionsgrad Decke	0,7	0,7	0,5	0,5	0,3	0,7	0,7	0,5	0,5	0,3	
Reflexionsgrad Wände	0,5	0,3	0,5	0,3	0,3	0,5	0,3	0,5	0,3	0,3	
Reflexionsgrad Boden	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	
2H	2H	15,4	16,9	15,7	17,2	17,6	15,5	17,0	15,8	17,3	17,6
	3H	16,3	17,6	16,6	18,0	18,3	16,4	17,7	16,7	18,1	18,4
	4H	16,7	18,0	17,1	18,4	18,8	16,8	18,1	17,2	18,5	18,8
	6H	17,3	18,5	17,7	18,8	19,2	17,3	18,5	17,8	18,9	19,3
	8H	17,5	18,7	18,0	19,0	19,4	17,6	18,8	18,0	19,1	19,5
	12H	17,8	18,8	18,2	19,2	19,6	17,9	18,9	18,3	19,3	19,7
4H	2H	15,8	17,1	16,2	17,5	17,8	15,9	17,2	16,3	17,5	17,9
	3H	16,9	18,0	17,4	18,4	18,8	17,0	18,1	17,4	18,5	18,9
	4H	17,6	18,6	18,0	19,0	19,4	17,6	18,6	18,1	19,0	19,5
	6H	18,3	19,1	18,8	19,6	20,0	18,4	19,2	18,8	19,6	20,1
	8H	18,6	19,4	19,1	19,9	20,3	18,7	19,5	19,2	19,9	20,4
	12H	18,9	19,6	19,4	20,1	20,6	19,0	19,7	19,5	20,1	20,6
8H	4H	17,9	18,7	18,4	19,1	19,6	18,0	18,7	18,4	19,2	19,7
	6H	18,8	19,4	19,3	19,9	20,4	18,8	19,5	19,3	20,0	20,5
	8H	19,2	19,8	19,7	20,3	20,8	19,3	19,9	19,8	20,3	20,9
	12H	19,6	20,1	20,2	20,6	21,2	19,7	20,1	20,2	20,6	21,2
12H	4H	18,0	18,7	18,5	19,1	19,6	18,0	18,7	18,5	19,2	19,7
	6H	18,9	19,5	19,4	19,9	20,5	19,0	19,5	19,5	20,0	20,5
	8H	19,4	19,9	19,9	20,4	20,9	19,4	19,9	20,0	20,4	21,0

Leuchtdichten-Tabelle		Lichttechnische Abmessungen in mm: L = 555 B = 555											
Max. für $\gamma \geq 65^\circ$													
C-Ebenen	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°
γ	Leuchtdichte in cd/m²												
45°	4359.0	4415.3	4443.9	4444.8	4459.3	4503.7	4578.0	4503.7	4459.3	4444.8	4443.9	4415.3	4359.0
50°	3184.2	3395.0	3460.7	3381.3	3302.2	3397.6	3667.6	3397.6	3302.2	3381.3	3460.7	3395.0	3184.2
55°	2158.3	2713.1	2898.8	2715.6	2438.5	2591.2	3173.8	2591.2	2438.5	2715.6	2898.8	2713.1	2158.3
60°	1790.9	2310.4	2503.5	2370.2	2060.6	2161.6	2673.3	2161.6	2060.6	2370.2	2503.5	2310.4	1790.9
65°	1828.1	2102.5	2233.2	2220.2	2020.8	2027.8	2241.4	2027.8	2020.8	2220.2	2233.2	2102.5	1828.1
70°	1862.5	1970.6	2069.9	2160.6	2085.8	1994.1	1885.4	1994.1	2085.8	2160.6	2069.9	1970.6	1862.5
75°	1933.6	2029.7	2108.1	2168.8	2098.2	2006.9	1895.0	2006.9	2098.2	2168.8	2108.1	2029.7	1933.6
80°	2249.6	2239.4	2207.3	2153.2	2196.9	2263.6	2353.1	2263.6	2196.9	2153.2	2207.3	2239.4	2249.6
85°	2506.1	2360.7	2241.2	2147.6	2257.3	2322.7	2343.9	2322.7	2257.3	2147.6	2241.2	2360.7	2506.1

Lichttechnischer Prüfbefund

Familie Apollon® 31	Bestell-Nr.: 51MP11WD2442 EAN: 4058352926185	LP-Nummer 59516_5
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Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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