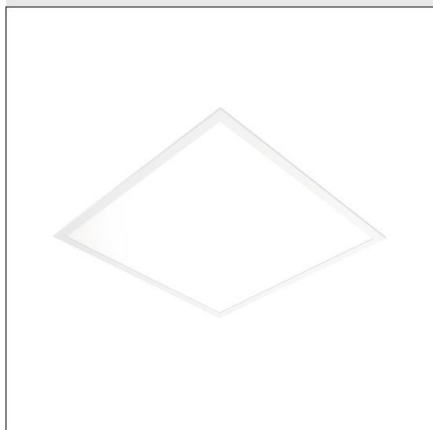


Lichttechnischer Prüfbefund

Familie
Apollon® 41



Bestell-Nr.: 51MH12W72M43
EAN: 4058352930953

LP-Nummer
59525_19

Ausführung Einbauleuchte für Einlegemontage, quadratisch M600, breit strahlend, einstellbare Farbtemperatur: 3000 K | 4000 K, UGR≤19 (L65≤3000cd/m²)

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG

Einstellung Werkseinstellung

Bemessungswerte Nettolichtstrom = 3700 lm
Systemleistung = 28.5 W
Lichtausbeute = 129.8 lm/W

Seriendokumentation
20.12.2023

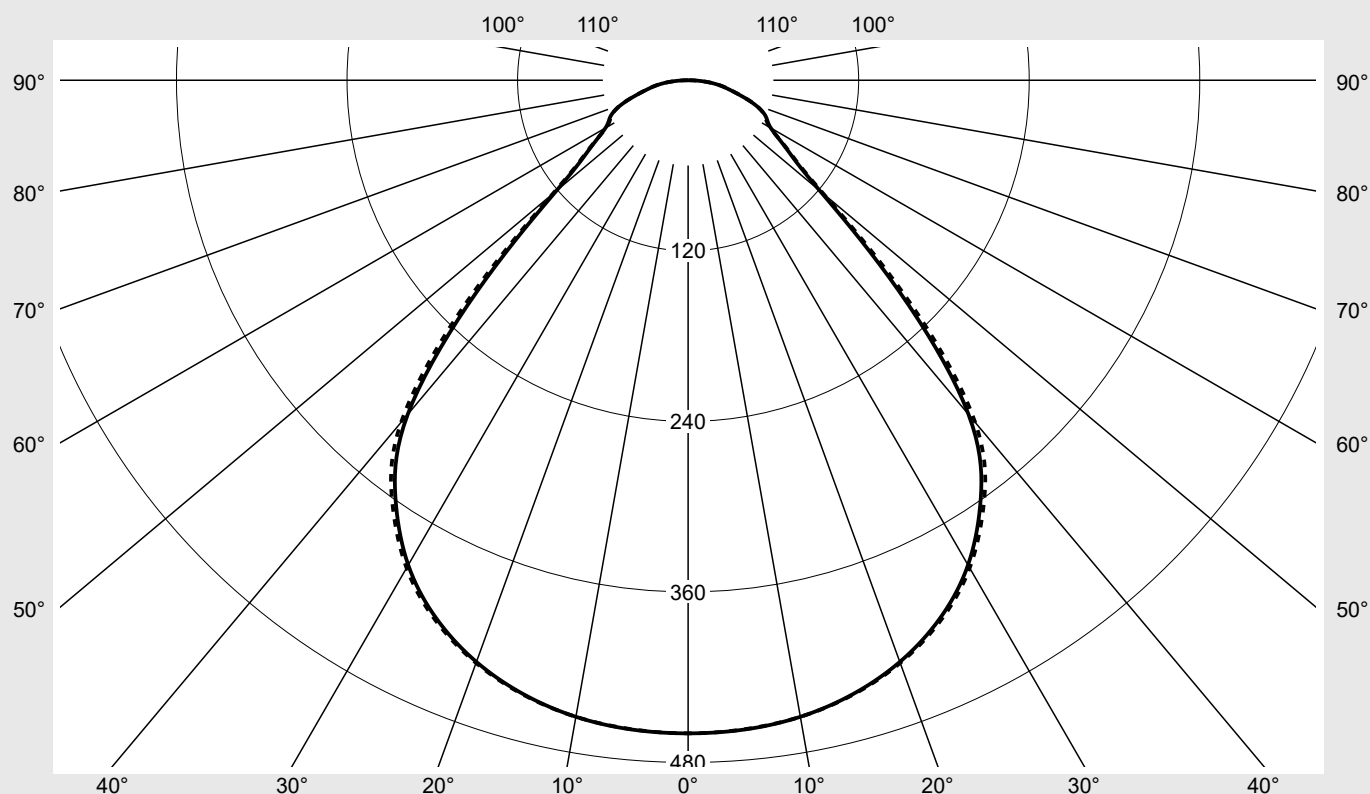
sITeco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 460 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

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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°	459.5	459.5	459.5	459.5	459.5	459.5	459.5	2.7	2.7
5°	458.5	458.6	458.6	458.5	458.4	458.4	458.3	21.9	24.7
10°	454.8	454.7	454.7	454.6	454.5	454.6	454.8	43.3	67.9
15°	447.3	447.2	447.2	447.1	447.1	447.4	447.7	63.4	131.4
20°	435.5	435.6	435.6	435.5	435.4	435.9	436.3	81.7	213.1
25°	418.3	418.2	418.1	417.9	417.9	418.8	419.8	96.9	310.0
30°	393.9	392.9	392.0	391.8	391.7	394.0	396.2	107.7	417.6
35°	359.0	358.1	357.3	357.0	356.7	359.8	362.9	112.7	530.3
40°	307.0	305.1	303.5	302.7	302.0	308.1	314.2	107.6	637.9
45°	209.9	219.5	229.2	228.5	227.9	223.6	219.4	86.8	724.7
50°	121.1	152.8	184.6	184.6	184.5	154.4	124.3	68.8	793.5
55°	85.1	114.1	143.1	142.6	142.1	114.1	86.2	55.5	849.0
60°	67.2	85.5	103.9	103.9	103.9	85.2	66.6	43.5	892.4
65°	60.3	67.1	74.0	73.7	73.5	66.6	59.7	34.4	926.8
70°	49.9	54.2	58.5	57.8	57.2	53.7	50.2	28.4	955.2
75°	35.1	40.7	46.3	45.7	45.1	40.2	35.4	22.4	977.6
80°	24.2	25.1	26.1	25.6	25.0	24.9	24.7	13.6	991.2
85°	13.0	14.1	15.3	15.2	15.1	14.0	12.9	7.9	999.1
90°	1.4	1.6	1.9	1.8	1.8	1.5	1.2	0.9	1000.0
95°	0.0	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	0.0	1000.0
105°	0.0	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	0.0	1000.0
115°	0.0	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	0.0	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	15,0	16,6	15,4	16,9	17,2	15,0	16,6	15,4	16,9	17,2
	3H	15,9	17,3	16,3	17,7	18,0	15,9	17,3	16,3	17,7	18,0
	4H	16,4	17,7	16,8	18,0	18,4	16,4	17,7	16,8	18,0	18,4
	6H	16,8	18,0	17,2	18,3	18,7	16,8	18,0	17,2	18,4	18,7
	8H	17,0	18,1	17,4	18,5	18,9	17,0	18,1	17,4	18,5	18,9
	12H	17,1	18,2	17,6	18,6	19,0	17,1	18,2	17,6	18,6	19,0
4H	2H	15,6	16,9	16,0	17,2	17,6	15,6	16,9	16,0	17,2	17,6
	3H	16,8	17,9	17,2	18,3	18,7	16,8	17,8	17,2	18,2	18,6
	4H	17,4	18,4	17,8	18,8	19,2	17,4	18,4	17,8	18,8	19,2
	6H	17,9	18,8	18,4	19,2	19,7	17,9	18,8	18,4	19,2	19,6
	8H	18,1	18,9	18,6	19,4	19,8	18,1	18,9	18,6	19,3	19,8
	12H	18,4	19,0	18,8	19,5	20,0	18,3	19,0	18,8	19,5	20,0
8H	4H	17,8	18,5	18,2	19,0	19,5	17,7	18,5	18,2	18,9	19,4
	6H	18,4	19,0	18,9	19,5	20,0	18,4	19,0	18,9	19,5	20,0
	8H	18,7	19,3	19,2	19,8	20,3	18,7	19,2	19,2	19,7	20,2
	12H	19,0	19,5	19,5	20,0	20,5	19,0	19,5	19,5	20,0	20,5
12H	4H	17,8	18,5	18,3	18,9	19,4	17,8	18,5	18,3	18,9	19,4
	6H	18,5	19,0	19,0	19,5	20,0	18,5	19,0	19,0	19,5	20,0
	8H	18,9	19,3	19,4	19,8	20,4	18,8	19,3	19,3	19,8	20,3

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$

Lichttechnische Abmessungen in mm: L = 555, B = 555

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°		3565.9	3729.5	3893.0	3882.1	3871.2	3799.1	3727.0
50°		2262.1	2856.3	3450.4	3449.5	3448.5	2885.8	2323.0
55°		1781.2	2388.7	2996.2	2985.9	2975.5	2389.9	1804.3
60°		1613.7	2054.6	2495.4	2495.4	2495.4	2047.4	1599.5
65°		1713.8	1907.9	2102.0	2096.0	2089.9	1893.4	1697.0
70°		1751.2	1902.6	2053.9	2030.9	2007.8	1884.7	1761.6
75°		1629.9	1890.3	2150.5	2121.4	2092.3	1867.1	1641.9
80°		1670.6	1736.9	1803.1	1767.6	1732.1	1721.8	1711.6
85°		1788.1	1948.7	2109.2	2097.0	2084.7	1933.6	1782.6

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Leuchtdichten in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

