

## Lichttechnischer Prüfbefund

**Familie**  
Highbay 11

**Bestell-Nr.:** 51HLASD24MGA  
**EAN:** 4058352367421

**LP-Nummer**  
58922\_17



**Ausführung** breit strahlend, UGR≤22  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Bemessungswerte** Nettolichtstrom = 28800 lm  
 Systemleistung = 162.6 W  
 Lichtausbeute = 177.1 lm/W

**Seriendokumentation**  
07.01.2020

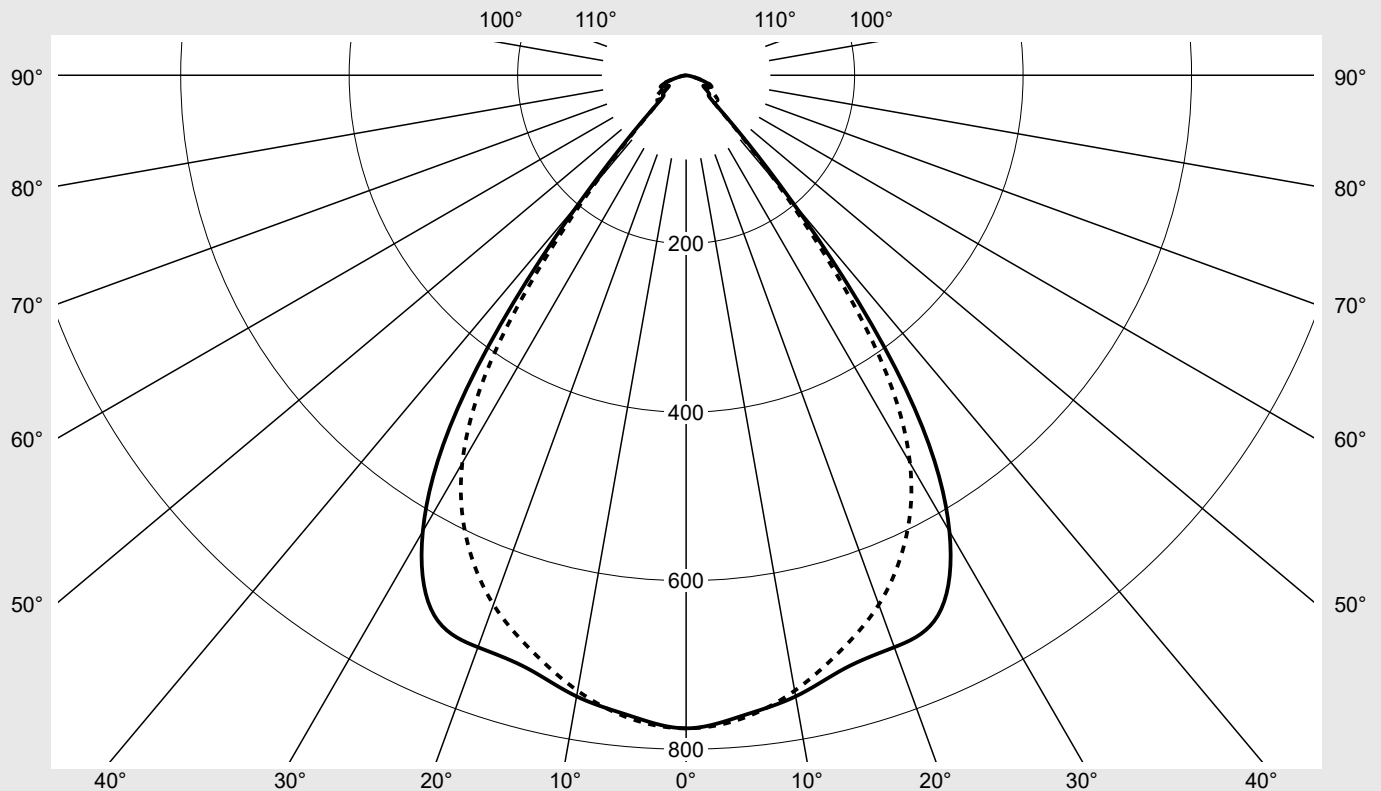
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 775 cd/klm



#### Klassifizierungen

DIN 5040 A 6 0  
 CIE N1=89 N2=96 N3=99  
 N4=100 N5=100

#### Leuchtenbetriebswirkungsgrade

$\eta_{LB}$  100,0%  
 $\phi_u$  100,0%  
 $\phi_o$  0,0%

#### Messbedingungen

DIN EN 13032 und DIN 5032

## Lichttechnischer Prüfbefund

<b>Familie</b> Highbay 11	<b>Bestell-Nr.: 51HLASD24MGA</b> <b>EAN: 4058352367421</b>	<b>LP-Nummer</b> 58922_17
------------------------------	---	------------------------------

<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°			
γ	Lichtstärke in cd/klm							Lichtstrom in lm/klm	
0°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	4.6	4.6
5°	763.3	765.5	767.8	768.1	766.5	768.2	766.4	36.6	41.3
10°	748.7	752.6	756.7	755.9	749.0	745.7	741.9	71.5	112.7
15°	728.8	736.6	748.6	748.7	732.9	716.3	707.4	104.1	216.8
20°	722.5	731.1	745.9	741.9	711.6	682.4	668.7	134.6	351.4
25°	707.4	710.1	723.4	713.1	669.4	627.0	613.5	158.4	509.9
30°	625.1	622.7	643.6	650.9	594.8	541.3	531.4	165.9	675.7
35°	454.3	465.0	515.3	546.7	478.1	404.7	385.8	148.3	824.0
40°	194.7	222.6	276.1	324.0	261.7	198.8	171.4	86.1	910.1
45°	52.4	51.4	56.0	64.9	54.8	51.5	51.3	21.3	931.5
50°	36.0	31.0	27.7	34.1	33.7	39.2	46.8	14.5	946.0
55°	27.7	25.7	21.5	23.0	24.8	33.2	42.0	12.2	958.2
60°	24.8	27.6	25.1	19.0	18.2	24.5	32.6	11.3	969.5
65°	33.0	23.0	22.5	18.8	16.0	23.0	31.5	11.2	980.7
70°	25.9	19.0	18.9	17.8	15.3	19.4	28.1	10.1	990.8
75°	12.6	8.9	10.2	12.8	12.0	13.0	13.0	6.1	996.9
80°	3.5	3.2	4.0	5.1	6.3	6.1	5.9	2.6	999.6
85°	0.3	0.3	0.4	0.5	1.1	1.3	1.4	0.4	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

## Lichttechnischer Prüfbefund

<b>Familie</b> Highbay 11	<b>Bestell-Nr.: 51HLASD24MGA</b> <b>EAN: 4058352367421</b>	<b>LP-Nummer</b> 58922_17
------------------------------	---	------------------------------

UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	20,4	21,7	20,7	22,0	22,3	19,9	21,2	20,2	21,5	21,8
	3H	20,8	21,9	21,2	22,3	22,6	20,4	21,5	20,8	21,9	22,2
	4H	20,9	22,0	21,3	22,3	22,7	20,6	21,7	21,0	22,0	22,4
	6H	20,9	21,9	21,4	22,2	22,6	20,7	21,6	21,1	22,0	22,4
	8H	21,0	21,8	21,4	22,2	22,6	20,8	21,6	21,2	22,0	22,4
	12H	21,0	21,7	21,4	22,1	22,5	20,8	21,5	21,2	21,9	22,3
4H	2H	20,3	21,4	20,7	21,7	22,1	19,8	20,8	20,2	21,2	21,6
	3H	20,9	21,7	21,3	22,1	22,5	20,4	21,3	20,9	21,7	22,1
	4H	21,0	21,8	21,5	22,2	22,6	20,7	21,5	21,2	21,9	22,4
	6H	21,0	21,7	21,5	22,1	22,6	20,9	21,5	21,4	22,0	22,4
	8H	21,0	21,6	21,5	22,0	22,5	20,9	21,5	21,4	21,9	22,4
	12H	21,0	21,5	21,5	21,9	22,4	20,9	21,4	21,4	21,9	22,4
8H	4H	21,0	21,6	21,5	22,1	22,6	20,8	21,4	21,3	21,8	22,3
	6H	21,0	21,5	21,5	22,0	22,5	21,0	21,5	21,5	21,9	22,4
	8H	21,0	21,4	21,5	21,9	22,5	21,0	21,4	21,5	21,9	22,4
	12H	21,0	21,3	21,5	21,8	22,4	21,0	21,3	21,5	21,8	22,4
12H	4H	21,1	21,5	21,5	22,0	22,5	20,8	21,3	21,3	21,7	22,2
	6H	21,1	21,4	21,6	21,9	22,5	21,0	21,4	21,5	21,9	22,4
	8H	21,0	21,4	21,5	21,9	22,4	21,0	21,3	21,5	21,8	22,4

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

Lichttechnische Abmessungen in mm: L = 600, B = 320

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°		11110.2	10907.8	11880.5	13759.5	11629.9	10932.0	10874.7
50°		8401.1	7241.6	6475.2	7965.0	7871.0	9143.0	10910.0
55°		7239.3	6717.6	5619.2	6027.7	6475.7	8675.8	10983.5
60°		7439.1	8294.1	7528.2	5711.1	5454.9	7355.4	9772.5
65°		11718.7	8148.5	7993.7	6684.0	5664.3	8151.0	11191.0
70°		11375.2	8319.2	8298.6	7817.5	6719.8	8525.8	12320.3
75°		7290.8	5129.1	5896.4	7421.8	6952.3	7523.2	7540.0
80°		3023.4	2799.6	3479.4	4400.3	5457.6	5233.9	5089.6
85°		530.1	521.5	611.0	889.8	1903.5	2208.1	2421.5

**Lichttechnischer Prüfbefund**

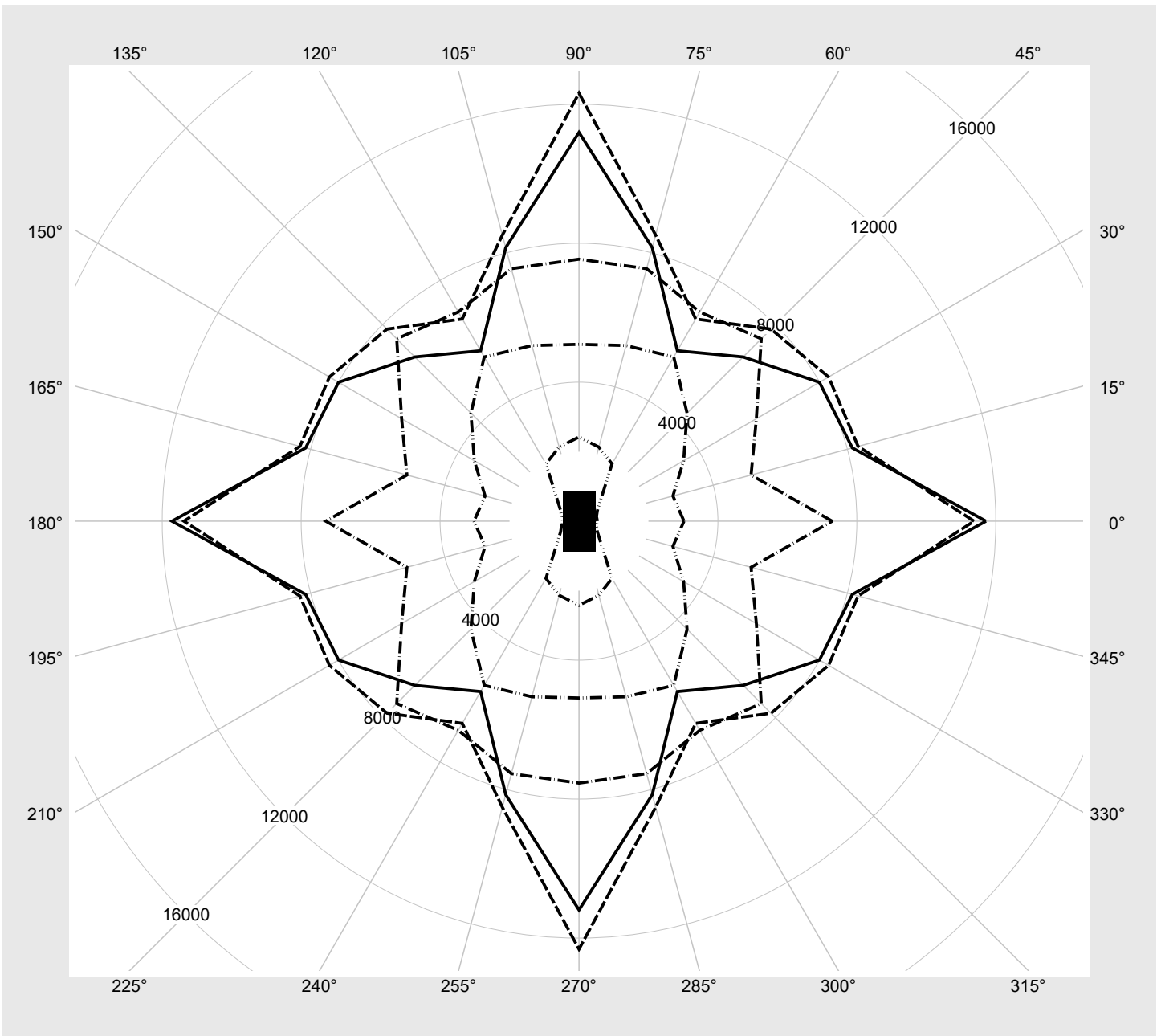
**Familie**  
Highbay 11

**Bestell-Nr.:** 51HLASD24MGA  
**EAN:** 4058352367421

**LP-Nummer**  
58922\_17

**Leuchtdichten in cd/m<sup>2</sup>**

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°



## Lichttechnischer Prüfbefund

<b>Familie</b> Highbay 11	<b>Bestell-Nr.: 51HLASD24MGA</b> <b>EAN: 4058352367421</b>	<b>LP-Nummer</b> 58922_17
------------------------------	---	------------------------------

<b>Dimmstufen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>sITeco</b>
---------------------------	---------------------------	---------------

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	28800	162.6
95	241	252	27407	154.2
90	227	250	25891	145.0
85	214	248	24480	136.7
80	201	245	23056	128.5
75	188	243	21622	120.3
70	175	240	20181	112.1
65	162	238	18715	103.8
60	149	234	17251	95.7
55	137	231	15890	88.4
50	124	228	14404	80.3
45	111	224	12910	72.4
40	99	219	11517	64.9
35	87	215	10116	57.7
30	74	209	8591	49.9
25	62	202	7175	42.5
20	50	194	5748	35.3
15	38	184	4313	28.1
10	26	171	2860	20.8
5	14	148	1406	13.5
1	5	110	310	8.2