

## Photometric test report

Family  
Highbay 41

Order number: 51HP32MB7MMA  
EAN: 4058352475669

LP number  
59149\_7



**Version** cover panel, PC, clear, extremely wide distribution  
**Lamps** LED 5700 K | CRI ≥ 80  
**Controlgear** ECG Multilumen  
**Rated values** Net luminous flux = 28000 lm  
Power consumption = 175.0 W  
Luminous efficacy = 160 lm/W

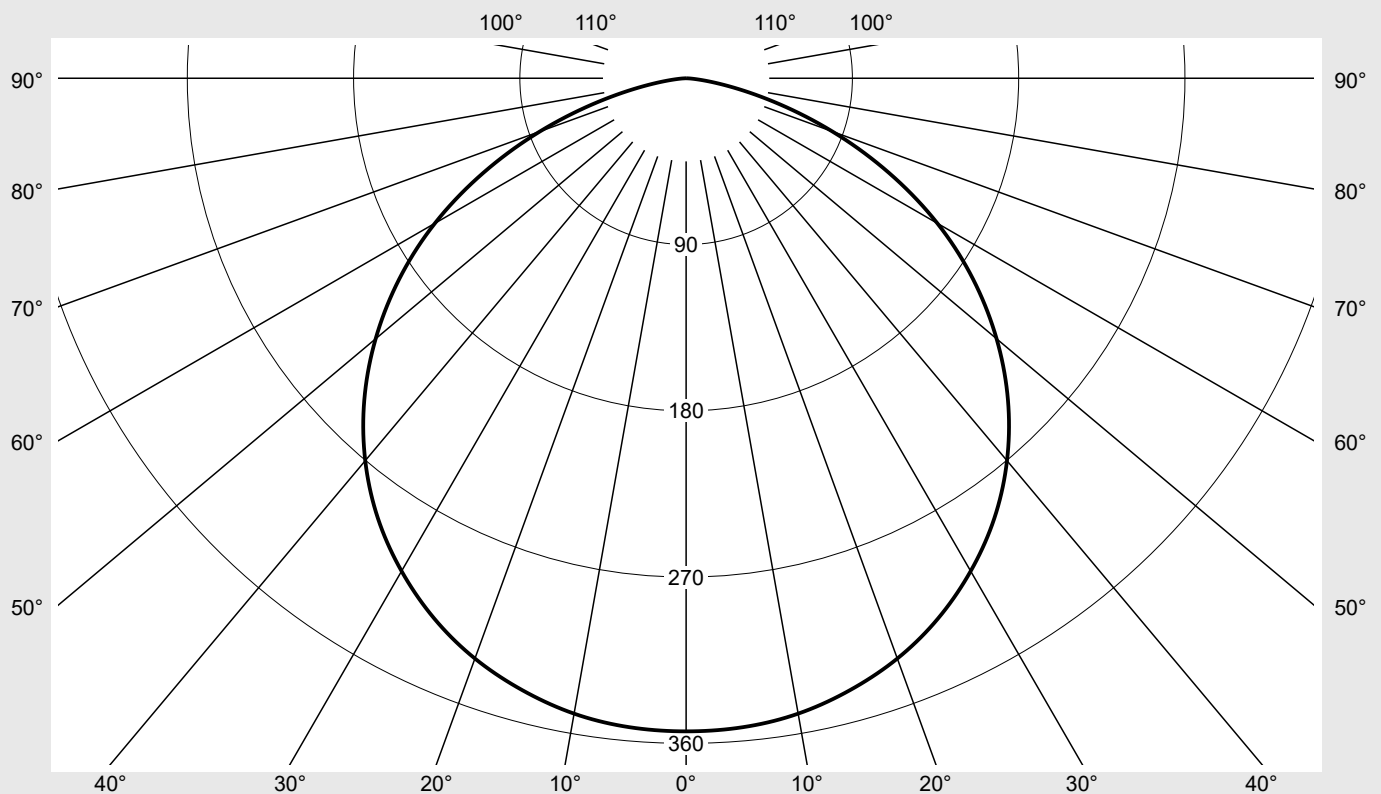
serial  
documentation  
15.04.2021

sitEco

Luminous intensity in cd/klm

C180-0

Imax: 354 cd/klm



### Classifications

DIN 5040 A 4 0  
CIE N1=49 N2=82 N3=98  
N4=100 N5=100

### Luminaire light output ratios

$\eta_{LB}$  100.0%  
 $\phi_u$  100.0%  
 $\phi_o$  0.0%

### Measurement conditions

DIN EN 13032 and DIN 5032

## Photometric test report

Family Highbay 41	Order number: 51HP32MB7MMA EAN: 4058352475669	LP number 59149_7
----------------------	--	----------------------

Table of values for luminous intensities	Maximum luminous intensity	<b>siteco</b>
--	----------------------------	---------------

C-planes	0°	Phi-zone	Total Phi-zone
$\gamma$	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0°	353.5	2.1	2.1
5°	352.6	16.8	19.0
10°	349.2	33.2	52.2
15°	342.9	48.6	100.8
20°	334.3	62.7	163.5
25°	322.6	74.7	238.2
30°	308.1	84.4	322.7
35°	290.8	91.4	414.1
40°	270.2	95.2	509.3
45°	246.4	95.5	604.8
50°	219.4	92.1	696.9
55°	189.6	85.1	782.1
60°	157.0	74.5	856.6
65°	121.1	60.2	916.8
70°	84.3	43.4	960.2
75°	49.0	26.0	986.1
80°	20.9	11.3	997.4
85°	4.7	2.6	1000.0
90°	0.0	0.0	1000.0
95°	0.0	0.0	1000.0
100°	0.0	0.0	1000.0
105°	0.0	0.0	1000.0
110°	0.0	0.0	1000.0
115°	0.0	0.0	1000.0
120°	0.0	0.0	1000.0
125°	0.0	0.0	1000.0
130°	0.0	0.0	1000.0
135°	0.0	0.0	1000.0
140°	0.0	0.0	1000.0
145°	0.0	0.0	1000.0
150°	0.0	0.0	1000.0
155°	0.0	0.0	1000.0
160°	0.0	0.0	1000.0
165°	0.0	0.0	1000.0
170°	0.0	0.0	1000.0
175°	0.0	0.0	1000.0
180°	0.0	0.0	1000.0

## Photometric test report

Family Highbay 41	Order number: 51HP32MB7MMA EAN: 4058352475669	LP number 59149_7
----------------------	--	----------------------

UGR-Table	Standard room	siteco								
-----------	---------------	--------	--	--	--	--	--	--	--	--

Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	View crosswise (C0)					View endwise (C90)					
x	y										
2H	2H	31.0	32.6	31.3	32.9	33.3	31.0	32.6	31.3	32.9	33.3
	3H	32.3	33.8	32.7	34.1	34.5	32.3	33.8	32.7	34.1	34.5
	4H	32.7	34.1	33.1	34.4	34.8	32.7	34.1	33.1	34.4	34.8
	6H	32.8	34.1	33.3	34.5	34.9	32.8	34.1	33.3	34.5	34.9
	8H	32.9	34.1	33.3	34.5	34.9	32.9	34.1	33.3	34.5	34.9
	12H	32.9	34.0	33.3	34.4	34.8	32.9	34.0	33.3	34.4	34.8
4H	2H	31.7	33.1	32.1	33.4	33.8	31.7	33.1	32.1	33.4	33.8
	3H	33.1	34.3	33.5	34.7	35.1	33.1	34.3	33.5	34.7	35.1
	4H	33.6	34.6	34.0	35.1	35.5	33.6	34.6	34.0	35.1	35.5
	6H	33.8	34.7	34.3	35.2	35.6	33.8	34.7	34.3	35.2	35.6
	8H	33.9	34.7	34.3	35.1	35.6	33.9	34.7	34.3	35.1	35.6
	12H	33.9	34.6	34.4	35.1	35.6	33.9	34.6	34.4	35.1	35.6
8H	4H	33.8	34.6	34.2	35.1	35.5	33.8	34.6	34.2	35.1	35.5
	6H	34.1	34.7	34.5	35.2	35.7	34.1	34.7	34.5	35.2	35.7
	8H	34.1	34.7	34.6	35.2	35.7	34.1	34.7	34.6	35.2	35.7
	12H	34.1	34.6	34.6	35.1	35.7	34.1	34.6	34.6	35.1	35.7
12H	4H	33.8	34.5	34.3	35.0	35.5	33.8	34.5	34.3	35.0	35.5
	6H	34.1	34.7	34.6	35.2	35.7	34.1	34.7	34.6	35.2	35.7
	8H	34.1	34.6	34.6	35.1	35.7	34.1	34.6	34.6	35.1	35.7

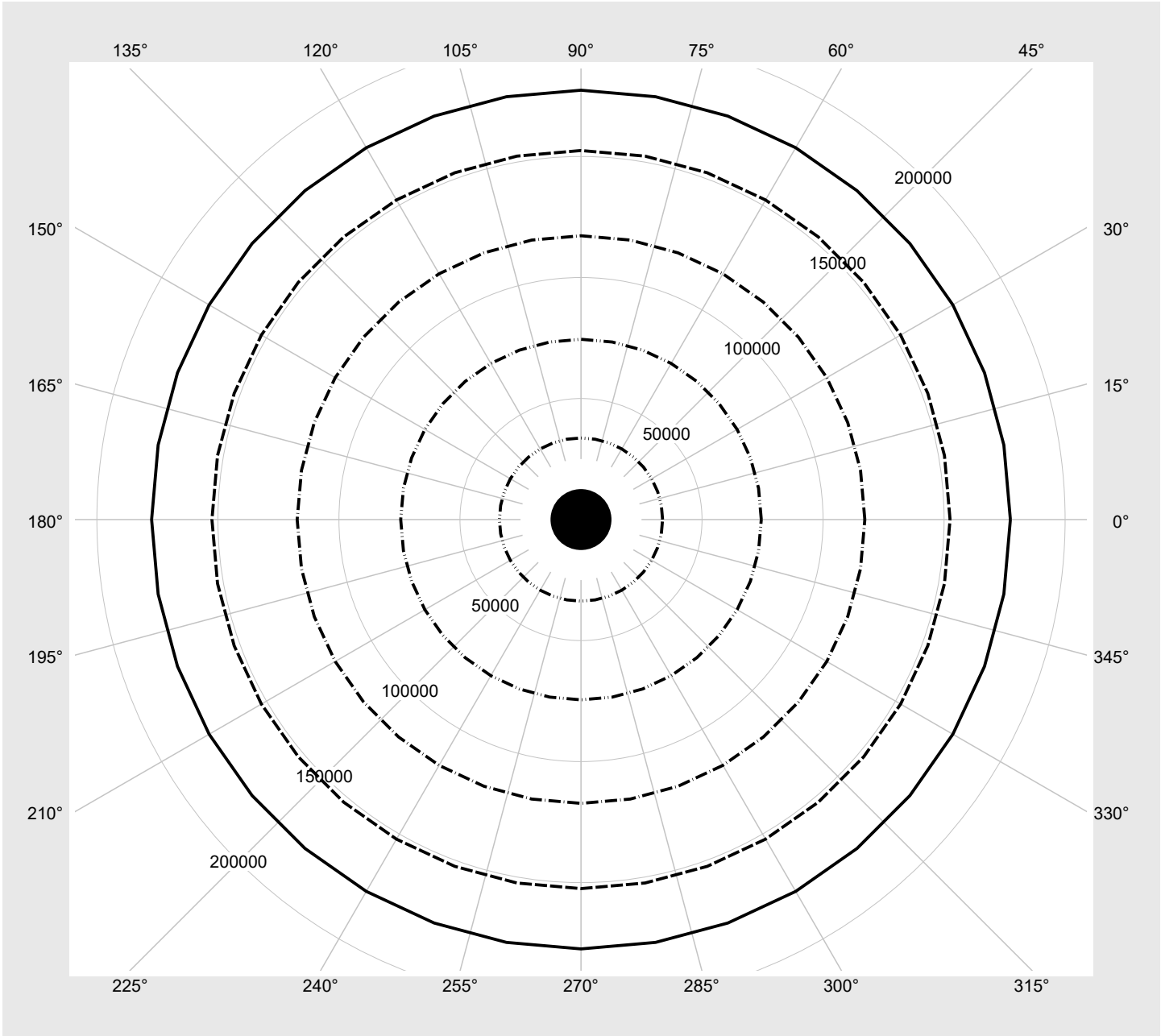
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 240
-----------------	---------------------------------	---------------------------------------

C-planes	0°
$\gamma$	Luminance in cd/m <sup>2</sup>
45°	215645.1
50°	211237.6
55°	204616.6
60°	194369.4
65°	177389.4
70°	152471.8
75°	117256.8
80°	74483.4
85°	33703.7

**Photometric test report**

<b>Family</b> <b>Highbay 41</b>	<b>Order number: 51HP32MB7MMA</b> <b>EAN: 4058352475669</b>	<b>LP number</b> <b>59149_7</b>
------------------------------------	--	------------------------------------

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



### Photometric test report

Family Highbay 41	Order number: 51HP32MB7MMA EAN: 4058352475669	LP number 59149_7
----------------------	--	----------------------

Multilumen Table	environmental temperature: 25°C	<b>siteco</b>
------------------	---------------------------------	---------------

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
0	OFF	OFF	OFF	28000	175.0
1	ON	OFF	OFF	20000	120.0
2	OFF	ON	OFF	15000	90.0
4	OFF	OFF	ON	10000	60.0