

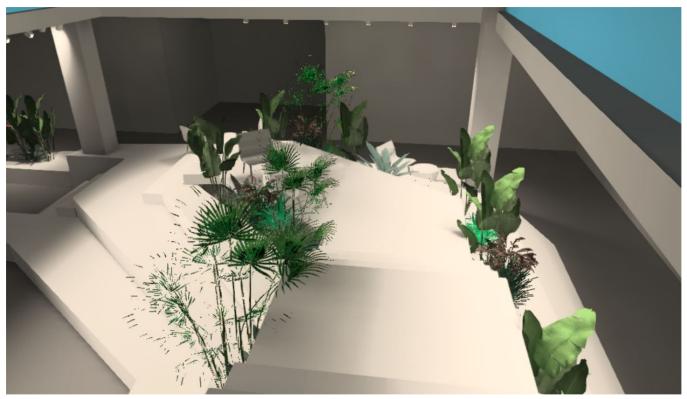
**Sample Project** 



# DIALux

# Images







# Luminaire list

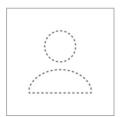
 $\Phi_{total}$   $P_{total}$  Luminous efficacy 72152 lm 1105.7 W 65.3 lm/W

pcs.	Manufacturer	Article No.	Article name	Р	Φ	Luminous efficacy
12	Not yet a DIALux member	Model HL- 30B-30- 3000 (30 Watt, Black, 30 degree beam angle, 3 000K)	Black aluminum housing, semi-specular patterned reflector, clear glass outer lens enclosure with frosted inner enclosure	29.6 W	1846 lm	62.4 lm/W
15	Not yet a DIALux member	Model HL- 30B-60- 3000 (30 Watt, Black, 60 degree beam angle, 3 000K)	Black aluminum housing, semi-specular patterned reflector, clear glass lens enclosure	29.9 W	1956 lm	65.3 lm/W



## **Product data sheet**

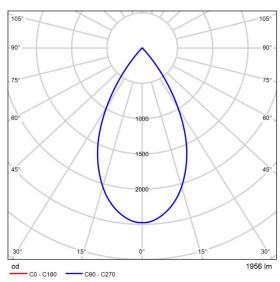
Not yet a DIALux member - Black aluminum housing, semi-specular patterned reflector, clear glass lens enclosure



Article No.	Model HL-30B-60-				
	2000 (20 M-# DI				

3000 (30 Watt, Black, 60 degree beam

	angle, 3 000K)
P	29.9 W
Φ <sub>Luminaire</sub>	1956 lm
Luminous efficacy	65.3 lm/W
ССТ	3000 K
CRI	100
-	



Polar LDC

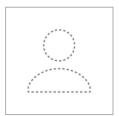
Ceiling		70	70	50	50	30	70	70	50	50	30
Walls		50	30	50	30	30	50	30	50	30	30
Floor	Floor 20 20 20 20 20 20 20 20 20 20			20	20						
Room size Viewing direction at right angles X Y to lamp axis					direction lamp ax						
2H	2H	19.9	20.7	20.1	20.9	21.1	19.9	20.7	20.1	20.9	21.
	3H	19.8	20.5	20.1	20.8	21.0	19.8	20.5	20.1	20.8	21
	4H	19.8	20.4	20.1	20.7	20.9	19.8	20.4	20.1	20.7	20
	6H	19.7	20.3	20.0	20.6	20.9	19.7	20.3	20.0	20.6	20
	8H	19.6	20.2	20.0	20.5	20.8	19.6	20.2	20.0	20.5	20
	12H	19.6	20.2	20.0	20.5	20.8	19.6	20.2	20.0	20.5	20
4H	2H	19.7	20.4	20.0	20.6	20.9	19.7	20.4	20.0	20.6	20
	3H	19.6	20.2	20.0	20.5	20.8	19.6	20.2	20.0	20.5	20
	4H	19.6	20.1	20.0	20.4	20.8	19.6	20.1	20.0	20.4	20
	6H	19.5	19.9	19.9	20.3	20.7	19.5	19.9	19.9	20.3	20
	8H	19.5	19.9	19.9	20.2	20.6	19.5	19.9	19.9	20.2	20
	12H	19.4	19.8	19.8	20.2	20.6	19.4	19.8	19.8	20.2	20
8H	4H	19.5	19.9	19.9	20.3	20.7	19.5	19.9	19.9	20.3	20
	6H	19.4	19.7	19.8	20.1	20.6	19.4	19.7	19.8	20.1	20
	8H	19.3	19.6	19.8	20.1	20.5	19.3	19.6	19.8	20.1	20
	12H	19.3	19.5	19.8	20.0	20.5	19.3	19.5	19.8	20.0	20
12H	4H	19.4	19.8	19.9	20.2	20.6	19.4	19.8	19.9	20.2	20
	6H	19.3	19.6	19.8	20.1	20.5	19.3	19.6	19.8	20.1	20
	8H	19.3	19.5	19.8	20.0	20.5	19.3	19.5	19.8	20.0	20
/ariation of t	he observe	r position	for the lun	ninaire dist	ances S						
S = 1.				5.4 / -9			+5.4 / -9.9				
S = 1.				3.2 / -10					3.2 / -10		
S = 2.	0H		+1	0.1 / -1	1.6		+10.1 / -11.6				
Standard	table	BK00						BK00			
Correction S	ummand	1.3			1.3						

UGR diagram (SHR: 0.25)



### **Product data sheet**

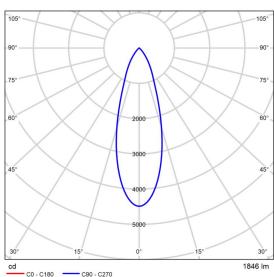
Not yet a DIALux member - Black aluminum housing, semi-specular patterned reflector, clear glass outer lens enclosure with frosted inner enclosure



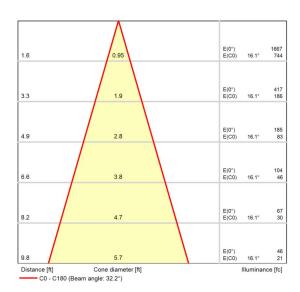
Article No.	Model HL-30B-30-
	2000 (20 M-++ DI

3000 (30 Watt, Black, 30 degree beam angle, 3 000K)

	angle, 3 000K)
P	29.6 W
$\Phi_{\text{Luminaire}}$	1846 lm
Luminous efficacy	62.4 lm/W
ССТ	3000 K
CRI	100



Polar LDC

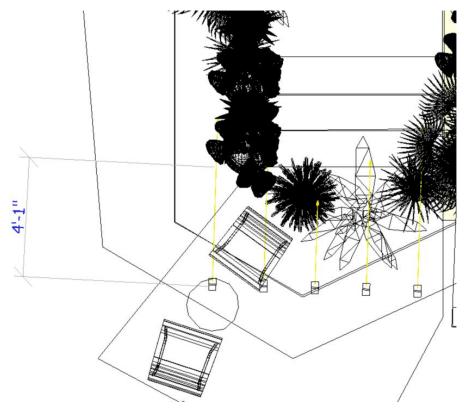


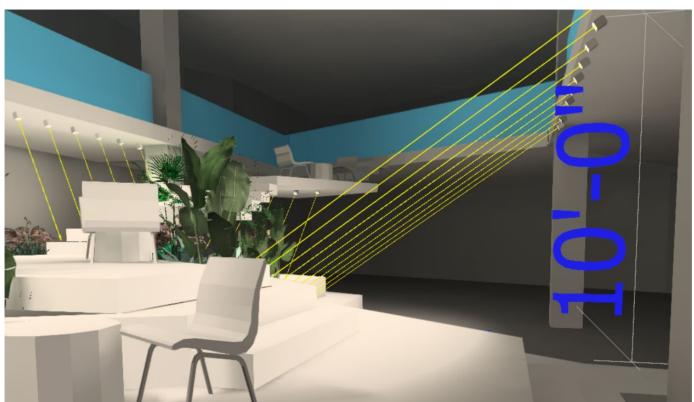
Cone diagram

# DIALux

### Distances

# Room 1

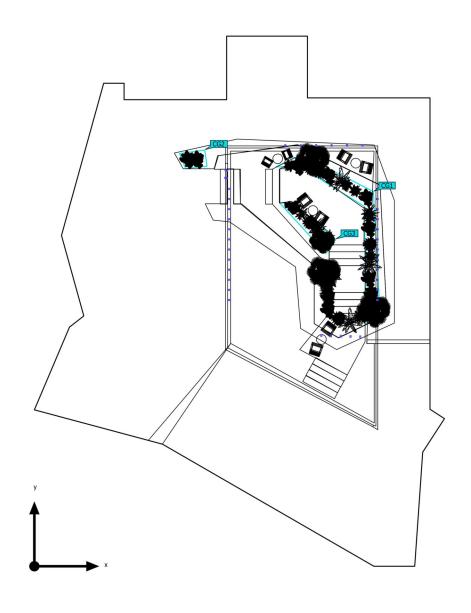






Building 3 · Story 1 · Room 1 (Light scene 1)

# Summary



Ground area	4807.69 sq ft
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %
Light loss factor	0.80 (fixed)

Clearance height	22.309 ft – 23.950 ft
Mounting height	8.825 ft – 11.656 ft

# **Summary**



Results

	Symbol	Calculated	Target	Check	Index
Glare valuation <sup>(1)</sup>	R <sub>UG</sub> , max	19	≤ 19	<b>✓</b>	_
Consumption values <sup>(2)</sup>	Consumption	2740 kWh/a	max. 15650 kWh/a	<b>~</b>	
Room	Lighting power density	0.23 W/sq ft	-		

<sup>(1)</sup> Based on a rectangular space of 73.573 ft x 92.682 ft and SHR of 0.25. (2) Calculated using DIN:18599-4.

Utilization profile: DIALux presetting (34.2 Standard (office))

#### Luminaire list

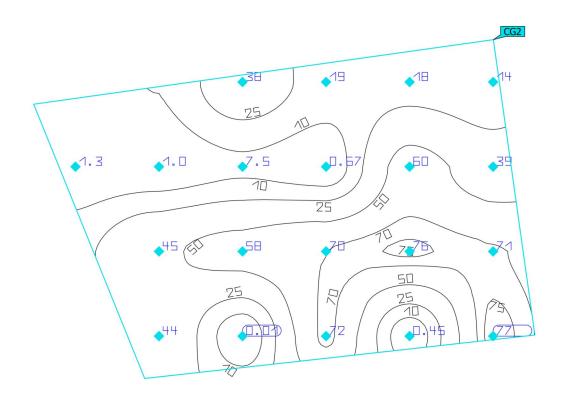
pcs.	Manufacturer	Article No.	Article name	Rug	Р	Φ	Luminous efficacy
2	Not yet a DIALux member	Model HL- 30B-30- 3000 (30 Watt, Black, 30 degree beam angle, 3 000K)	Black aluminum housing, semi-specular patterned reflector, clear glass outer lens enclosure with frosted inner enclosure	17	29.6 W	1846 lm	62.4 lm/W
35	Not yet a DIALux member	Model HL- 30B-60- 3000 (30 Watt, Black, 60 degree beam angle, 3 000K)	Black aluminum housing, semi-specular patterned reflector, clear glass lens enclosure	19	29.9 W	1956 lm	65.3 lm/W



## Building 3 · Story 1 · Room 1 (Light scene 1)

# Calculation surface 2





Properties	Ē	E <sub>min</sub>	E <sub>max</sub>	<b>g</b> 1	<b>g</b> <sub>2</sub>	Index
Calculation surface 2 Perpendicular illuminance Height: 4.921 ft	70 fc	0.009 fc	77.5 fc	0.000	0.000	CG2

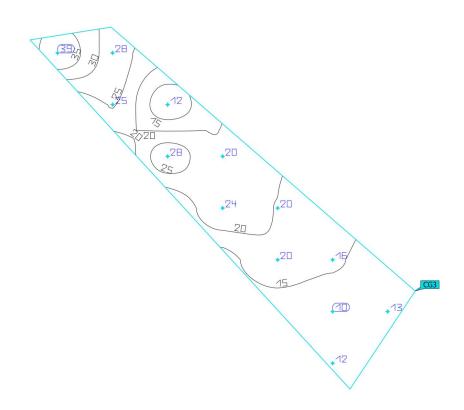
Utilization profile: DIALux presetting (34.2 Standard (office))



## Building 3 · Story 1 · Room 1 (Light scene 1)

# Calculation surface 3





Properties	Ē	E <sub>min</sub>	E <sub>max</sub>	<b>g</b> 1	<b>g</b> <sub>2</sub>	Index
Calculation surface 3 Perpendicular illuminance Height: 5.709 ft	40.5 fc	10.2 fc	39.0 fc	0.50	0.26	CG3

Utilization profile: DIALux presetting (34.2 Standard (office))