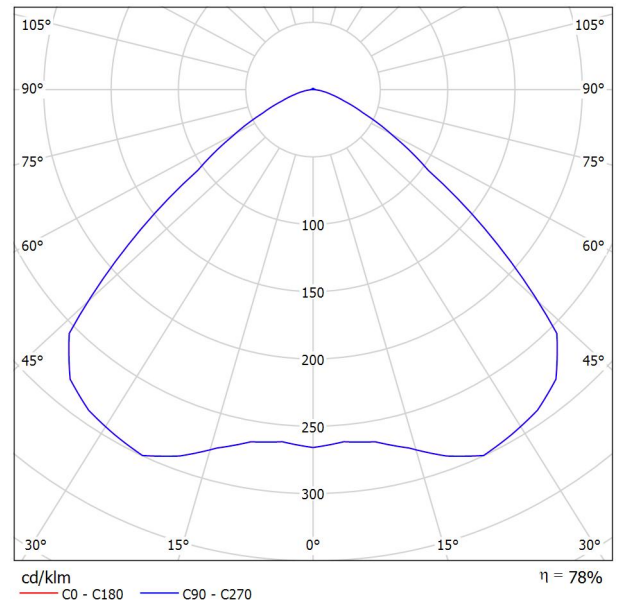


Operator
Telephone
Fax
e-Mail

Metal Halide High Bay Light / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 99
CIE flux code: 58 92 99 99 78

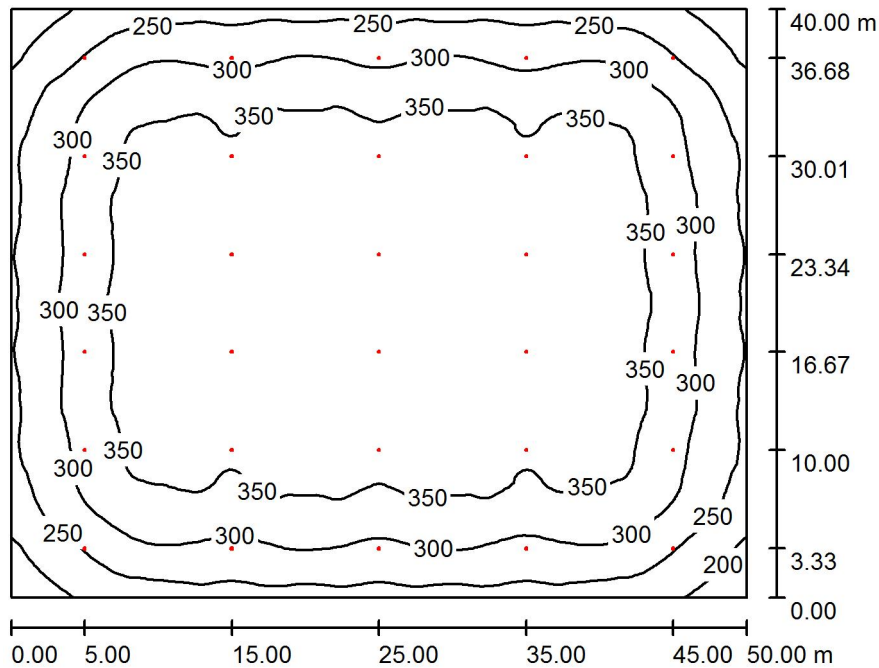
Luminous emittance 1:

Glare Evaluation According to UGR

		70	70	50	50	30	70	70	50	50	30
p Ceiling		50	30	50	30	30	50	30	50	30	30
p Walls		20	20	20	20	20	20	20	20	20	20
p Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	32.2	33.4	32.5	33.6	33.8	32.2	33.4	32.5	33.6	33.8
	3H	32.3	33.3	32.6	33.6	33.9	32.3	33.3	32.6	33.6	33.9
	4H	32.3	33.2	32.6	33.5	33.8	32.3	33.2	32.6	33.5	33.8
	6H	32.2	33.1	32.6	33.4	33.7	32.2	33.1	32.6	33.4	33.7
	8H	32.2	33.1	32.6	33.4	33.7	32.2	33.1	32.6	33.4	33.7
4H	12H	32.2	33.0	32.6	33.3	33.7	32.2	33.0	32.6	33.3	33.7
	2H	32.2	33.2	32.6	33.5	33.8	32.2	33.2	32.6	33.5	33.8
	3H	32.4	33.2	32.7	33.5	33.8	32.4	33.2	32.7	33.5	33.8
	4H	32.4	33.1	32.8	33.4	33.8	32.4	33.1	32.8	33.4	33.8
	6H	32.4	33.0	32.8	33.4	33.8	32.4	33.0	32.8	33.4	33.8
8H	12H	32.3	32.9	32.8	33.3	33.7	32.3	32.9	32.8	33.3	33.7
	2H	32.3	32.8	32.8	33.2	33.7	32.3	32.8	32.8	33.2	33.7
	4H	32.3	32.9	32.8	33.3	33.7	32.3	32.9	32.8	33.3	33.7
	6H	32.3	32.8	32.8	33.2	33.7	32.3	32.8	32.8	33.2	33.7
	8H	32.3	32.7	32.8	33.1	33.6	32.3	32.7	32.8	33.1	33.6
12H	12H	32.3	32.6	32.8	33.1	33.6	32.3	32.6	32.8	33.1	33.6
	4H	32.3	32.8	32.7	33.2	33.7	32.3	32.8	32.7	33.2	33.7
	6H	32.3	32.7	32.8	33.1	33.6	32.3	32.7	32.8	33.1	33.6
Variation of the observer position for the luminaire distances S											
S = 1.0H		+1.1 / -1.7					+1.1 / -1.7				
S = 1.5H		+2.2 / -3.6					+2.2 / -3.6				
S = 2.0H		+3.9 / -5.5					+3.9 / -5.5				
Standard table		BK01					BK01				
Correction Summand		13.6					13.6				
Corrected Glare Indices referring to 36000lm Total Luminous Flux											

Operator
Telephone
Fax
e-Mail

Room 1 / Summary



Height of Room: 10.000 m, Mounting Height: 9.500 m, Light loss factor: 0.80

Values in Lux, Scale 1:514

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Workplane	/	324	157	391	0.484
Floor	20	318	156	384	0.492
Ceiling	70	66	46	137	0.697
Walls (4)	50	136	56	307	/

Workplane:

Height: 0.850 m
Grid: 128 x 128 Points
Boundary Zone: 0.000 m

UGR

Lengthways-
Left Wall >30
Lower Wall >30
(CIE, SHR = 0.25.)

Across
to luminaire axis
>30
>30

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	30	Metal Halide High Bay Light (1.000)	28030	36000	458.0
Total:			840893	1080000	13740.0

Specific connected load: $6.87 \text{ W/m}^2 = 2.12 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 2000.00 m^2)

Operator
Telephone
Fax
e-Mail

Room 1 / Input Protocol

Height of working plane: 0.850 m
Boundary Zone: 0.000 m

Light loss factor: 0.80

Height of Room: 10.000 m
Ground area: 2000.00 m²



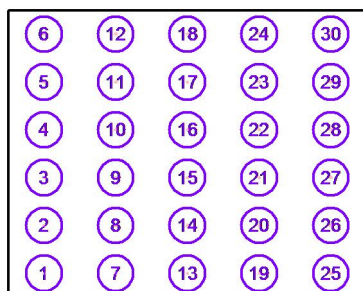
Surface	Rho [%]	from ([m] [m])	towards ([m] [m])	Length [m]
Floor	20	/	/	/
Ceiling	70	/	/	/
Wall 1	50	(0.000 0.000)	(50.000 0.000)	50.000
Wall 2	50	(50.000 0.000)	(50.000 40.000)	40.000
Wall 3	50	(50.000 40.000)	(0.000 40.000)	50.000
Wall 4	50	(0.000 40.000)	(0.000 0.000)	40.000

Operator
Telephone
Fax
e-Mail

Room 1 / Luminaires (coordinates list)

Metal Halide High Bay Light

28030 lm, 458.0 W, 1 x 1 x User defined (Correction Factor 1.000).



No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	5.000	3.330	9.500	0.0	0.0	90.0
2	5.000	10.000	9.500	0.0	0.0	90.0
3	5.000	16.670	9.500	0.0	0.0	90.0
4	5.000	23.340	9.500	0.0	0.0	90.0
5	5.000	30.010	9.500	0.0	0.0	90.0
6	5.000	36.680	9.500	0.0	0.0	90.0
7	15.000	3.330	9.500	0.0	0.0	90.0
8	15.000	10.000	9.500	0.0	0.0	90.0
9	15.000	16.670	9.500	0.0	0.0	90.0
10	15.000	23.340	9.500	0.0	0.0	90.0
11	15.000	30.010	9.500	0.0	0.0	90.0
12	15.000	36.680	9.500	0.0	0.0	90.0
13	25.000	3.330	9.500	0.0	0.0	90.0
14	25.000	10.000	9.500	0.0	0.0	90.0
15	25.000	16.670	9.500	0.0	0.0	90.0
16	25.000	23.340	9.500	0.0	0.0	90.0
17	25.000	30.010	9.500	0.0	0.0	90.0
18	25.000	36.680	9.500	0.0	0.0	90.0
19	35.000	3.330	9.500	0.0	0.0	90.0
20	35.000	10.000	9.500	0.0	0.0	90.0
21	35.000	16.670	9.500	0.0	0.0	90.0
22	35.000	23.340	9.500	0.0	0.0	90.0
23	35.000	30.010	9.500	0.0	0.0	90.0
24	35.000	36.680	9.500	0.0	0.0	90.0
25	45.000	3.330	9.500	0.0	0.0	90.0
26	45.000	10.000	9.500	0.0	0.0	90.0
27	45.000	16.670	9.500	0.0	0.0	90.0
28	45.000	23.340	9.500	0.0	0.0	90.0

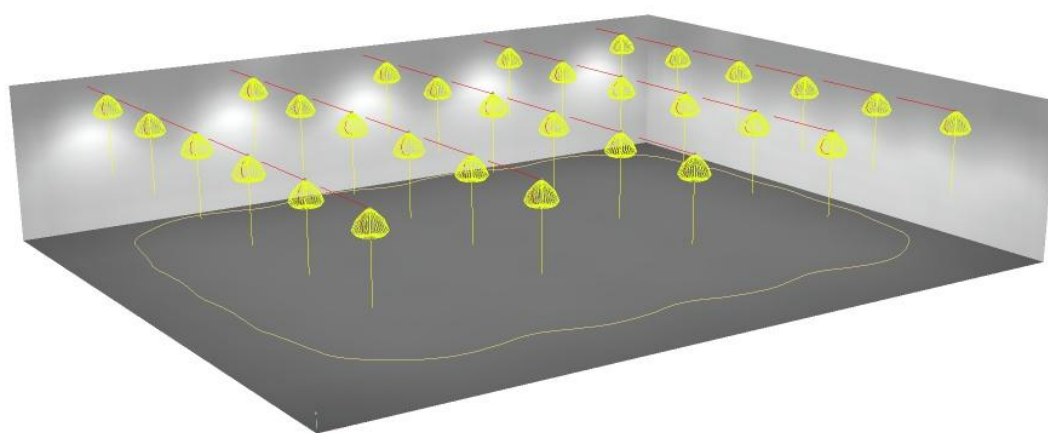
Operator
Telephone
Fax
e-Mail

Room 1 / Luminaires (coordinates list)

No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
29	45.000	30.010	9.500	0.0	0.0	90.0
30	45.000	36.680	9.500	0.0	0.0	90.0

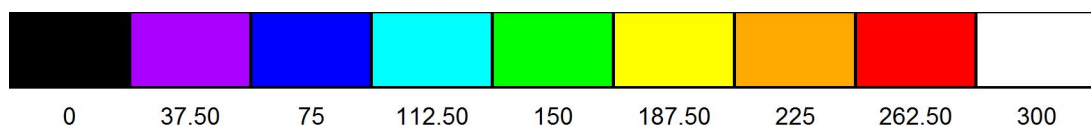
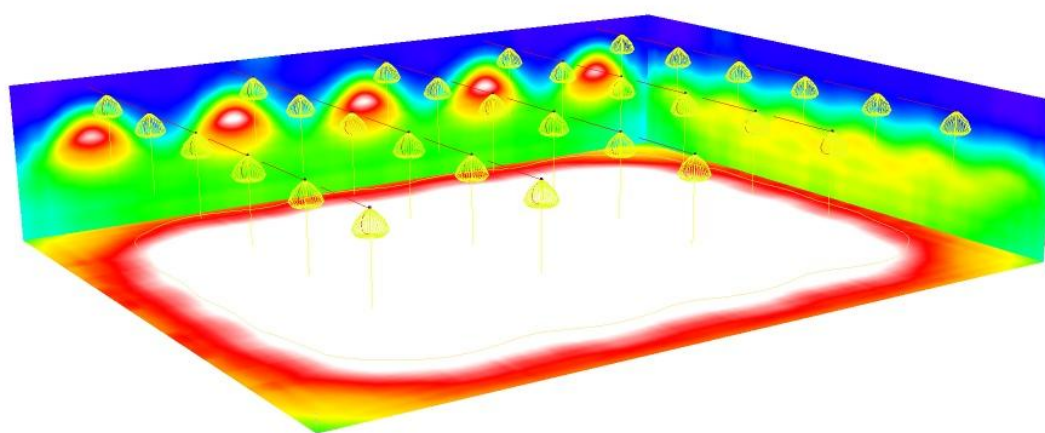
Operator
Telephone
Fax
e-Mail

Room 1 / 3D Rendering



Operator
Telephone
Fax
e-Mail

Room 1 / False Color Rendering



lx