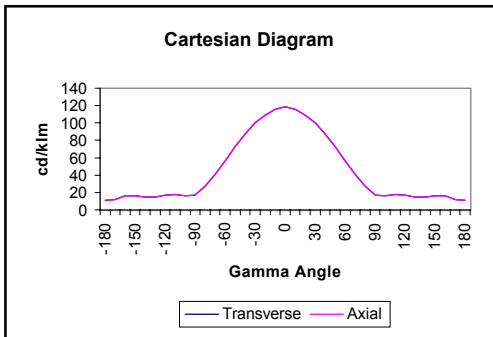




Disco Surface Range

Description:

Surface drop fitting with opal diffuser and back light effect



Dimensions (in mm):

Physical Length = 382
Luminous Length = 280



Physical Height = 115
Luminous Height = 55

Physical Width = 382
Luminous Width = 280

Conversion Terms:

DSD 282D/O
DSD 382D/O

Lamp

28W 2D 4pin
38W 2D 4pin

UF & PC

1.00
1.00

Utilisation Factors - UF(F)

Floor Reflectance - 20%

SHR NOM = 1.50

Reflectances C	W	F	Room Index									
			0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.25	0.29	0.32	0.35	0.38	0.40	0.42	0.44	0.45	
	0.30		0.21	0.25	0.29	0.31	0.35	0.37	0.39	0.42	0.44	
	0.10		0.19	0.22	0.26	0.28	0.32	0.35	0.37	0.40	0.42	
0.50	0.50	0.20	0.23	0.27	0.30	0.32	0.35	0.37	0.38	0.40	0.41	
	0.30		0.20	0.23	0.27	0.29	0.32	0.34	0.36	0.38	0.40	
	0.10		0.18	0.21	0.24	0.27	0.30	0.32	0.34	0.37	0.39	
0.30	0.50	0.20	0.22	0.25	0.27	0.29	0.32	0.34	0.35	0.37	0.38	
	0.30		0.19	0.22	0.25	0.27	0.30	0.32	0.33	0.35	0.37	
	0.10		0.17	0.20	0.23	0.25	0.28	0.30	0.32	0.34	0.35	
0.00	0.00	0.00	0.15	0.18	0.20	0.22	0.25	0.26	0.28	0.30	0.31	
BZ Class			5	5	5	5	5	5	5	5	5	
DF(F)			0.15	0.18	0.20	0.22	0.25	0.26	0.28	0.30	0.31	
DF(W)			0.23	0.20	0.18	0.16	0.13	0.12	0.10	0.08	0.07	
DF(C)			0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	
DF(V) <i>Cylindrical</i>			0.02	0.03	0.05	0.05	0.07	0.08	0.09	0.11	0.12	
DF(S) <i>Scalar</i>			0.04	0.05	0.06	0.07	0.09	0.10	0.10	0.12	0.13	

Flux Fraction Ratio = 0.28
SHR MAX = 1.61
SHR MAX(TR) = 1.82

CIE Flux Code = 42 / 72 / 89 / 78 48
Light Output Ratio = 0.48
Downward LOR = 0.38
Upward LOR = 0.11

Luminous Intensity Values - (cd/1000 lm)

Gamma Angle (degrees)	Transverse Plane (0°)	Axial Plane (90°)	
0	119	119	
5	118	118	
10	116	116	
15	113	113	
20	109	109	
25	105	105	
30	100	100	
35	94	94	
40	88	88	
45	81	81	
50	73	73	
55	65	65	
60	56	56	
65	48	48	
70	41	41	
75	34	34	
80	27	27	
85	22	22	
90	17	17	
95	21	21	
100	16	16	
105	17	17	
110	18	18	
115	17	17	
120	17	17	
125	15	15	
130	15	15	
135	15	15	
140	15	15	
145	16	16	
150	16	16	
155	16	16	
160	16	16	
165	14	14	
170	12	12	
175	11	11	
180	11	11	

Aspect Factors

Angle (degrees)	Parallel Plane	Perpendicular Plane	
0		0.000	0.000
5		0.087	0.004
10		0.172	0.015
15		0.254	0.033
20		0.332	0.058
25		0.404	0.088
30		0.471	0.123
35		0.531	0.161
40		0.584	0.201
45		0.630	0.243
50		0.668	0.285
55		0.699	0.325
60		0.722	0.363
65		0.740	0.397
70		0.752	0.427
75		0.761	0.453
80		0.766	0.475
85		0.768	0.493
90		0.768	0.507

Luminance Distribution (cd/m²/klm)

Angle (degrees)	Transverse Plane	Axial Plane	
45	1221	1221	
50	1174	1174	
55	1129	1129	
60	1066	1066	
65	1019	1019	
70	993	993	
75	967	967	
80	938	938	
85	992	992	

The Utilisation Factor table, BZ values, and Distribution Factors (F) (W) & (C) have been calculated in accordance with CIBSE Technical Memorandum No. 5 (1980) from data tested without a ceiling board. The UF values need to be corrected using the appropriate conversion factor. The Distribution Factors for cylindrical and scalar illuminance have been calculated using data provided by Dr. A. R. Bean.

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Disco Surface Range

Description:

Surface drop fitting with prismatic controller and back light effect

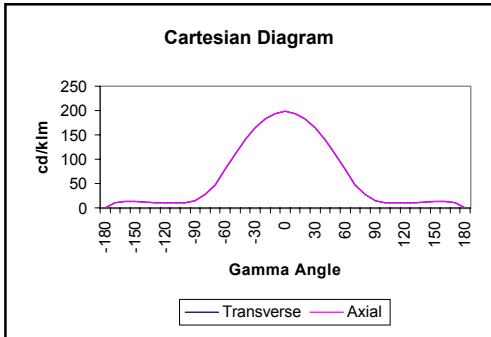
Dimensions (in mm):

Physical Length = 382
Luminous Length = 280



Physical Height = 115
Luminous Height = 55

Physical Width = 382
Luminous Width = 280



Conversion Terms:

DSD 282D/P
DSD 382D/P

Lamp

28W 2D 4pin
38W 2D 4pin

UF & PC

1.00
1.00

Utilisation Factors - UF(F)

Floor Reflectance - 20%

SHR NOM = 1.50

Reflectances C	W	F	Room Index									
			0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.36	0.41	0.46	0.49	0.53	0.56	0.58	0.61	0.62	
	0.30		0.32	0.37	0.41	0.45	0.49	0.52	0.55	0.58	0.60	
	0.10		0.28	0.33	0.38	0.41	0.46	0.50	0.52	0.56	0.58	
0.50	0.50	0.20	0.34	0.39	0.43	0.46	0.50	0.53	0.54	0.57	0.58	
	0.30		0.30	0.35	0.39	0.42	0.47	0.50	0.52	0.55	0.57	
	0.10		0.27	0.32	0.36	0.40	0.44	0.47	0.50	0.53	0.55	
0.30	0.50	0.20	0.33	0.37	0.41	0.43	0.47	0.49	0.51	0.53	0.55	
	0.30		0.29	0.34	0.38	0.41	0.44	0.47	0.49	0.52	0.53	
	0.10		0.27	0.31	0.35	0.38	0.42	0.45	0.47	0.50	0.52	
0.00	0.00	0.00	0.25	0.29	0.32	0.35	0.39	0.41	0.43	0.46	0.47	
BZ Class			4	4	4	4	4	5	5	5	5	
DF(F)			0.25	0.29	0.32	0.35	0.39	0.41	0.43	0.46	0.47	
DF(W)			0.31	0.27	0.23	0.20	0.17	0.14	0.12	0.10	0.08	
DF(C)			0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	
DF(V) <i>Cylindrical</i>			0.04	0.05	0.07	0.08	0.10	0.12	0.13	0.15	0.16	
DF(S) <i>Scalar</i>			0.07	0.09	0.10	0.11	0.13	0.15	0.16	0.17	0.18	

Flux Fraction Ratio = 0.14
SHR MAX = 1.56
SHR MAX(TR) = 1.76

CIE Flux Code = 47 / 78 / 93 / 88 63
Light Output Ratio = 0.63
Downward LOR = 0.56
Upward LOR = 0.08

Luminous Intensity Values - (cd/1000 lm)

Gamma Angle (degrees)	Transverse Plane (0°)	Axial Plane (90°)	
0	199	199	
5	197	197	
10	194	194	
15	189	189	
20	183	183	
25	175	175	
30	165	165	
35	154	154	
40	141	141	
45	127	127	
50	111	111	
55	95	95	
60	79	79	
65	63	63	
70	48	48	
75	36	36	
80	27	27	
85	20	20	
90	15	15	
95	18	18	
100	10	10	
105	9	9	
110	10	10	
115	11	11	
120	11	11	
125	11	11	
130	11	11	
135	11	11	
140	12	12	
145	13	13	
150	13	13	
155	13	13	
160	13	13	
165	11	11	
170	11	11	
175	11	11	
180	0	0	

Aspect Factors

Angle (degrees)	Parallel Plane	Perpendicular Plane	
0		0.000	0.000
5		0.087	0.004
10		0.172	0.015
15		0.254	0.033
20		0.332	0.058
25		0.404	0.088
30		0.470	0.122
35		0.529	0.160
40		0.581	0.199
45		0.624	0.239
50		0.659	0.278
55		0.687	0.314
60		0.707	0.346
65		0.722	0.373
70		0.731	0.396
75		0.737	0.413
80		0.740	0.427
85		0.741	0.437
90		0.741	0.445

Luminance Distribution (cd/m²/klm)

Angle (degrees)	Transverse Plane	Axial Plane	
45	1915	1915	
50	1785	1785	
55	1650	1650	
60	1504	1504	
65	1338	1338	
70	1163	1163	
75	1024	1024	
80	938	938	
85	902	902	

The Utilisation Factor table, BZ values, and Distribution Factors (F) (W) & (C) have been calculated in accordance with CIBSE Technical Memorandum No. 5 (1980) from data tested without a ceiling board. The UF values need to be corrected using the appropriate conversion factor. The Distribution Factors for cylindrical and scalar illuminance have been calculated using data provided by Dr. A. R. Bean.

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