

Oxford Range

Description:

Surface secure fitting with polycarbonate prismatic lens, single tube

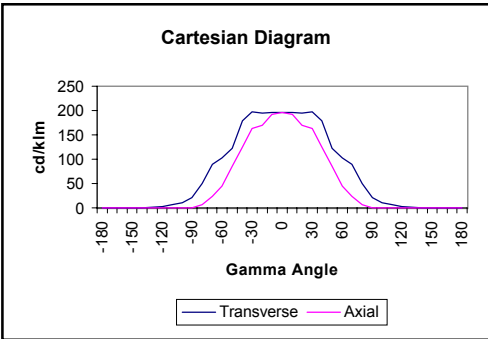
Dimensions (in mm):

Physical Length = 1560
Luminous Length = 1540



Physical Height = 110
Luminous Height = 50

Physical Width = 205
Luminous Width = 195



Conversion Terms:

OXF 136/P
OXF 158/P
OXF 170/P

Lamp

1 x 36W T8 1200mm
1 x 58W T8 1500mm
1 x 70W T8 1800mm

UF & PC

0.98
1.00
1.01

Utilisation Factors - UF(F)

Floor Reflectance - 20%

SHR NOM = 1.75

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	0.43	0.47	0.50	0.54	0.56	0.58	0.61	0.63	
	0.30		0.32	0.38	0.42	0.45	0.50	0.53	0.55	0.58	0.60	
	0.10		0.28	0.35	0.39	0.42	0.47	0.50	0.52	0.56	0.58	
0.50	0.50	0.20	0.35	0.41	0.45	0.48	0.51	0.54	0.56	0.58	0.60	
	0.30		0.31	0.37	0.41	0.44	0.48	0.51	0.53	0.56	0.58	
	0.10		0.28	0.34	0.38	0.41	0.46	0.49	0.51	0.54	0.56	
0.30	0.50	0.20	0.34	0.40	0.43	0.46	0.49	0.52	0.53	0.56	0.57	
	0.30		0.30	0.37	0.40	0.43	0.47	0.49	0.51	0.54	0.56	
	0.10		0.28	0.34	0.37	0.40	0.44	0.47	0.49	0.52	0.54	
0.00	0.00	0.00	0.26	0.32	0.36	0.38	0.42	0.45	0.46	0.49	0.51	
			0.26	0.32	0.36	0.38	0.42	0.45	0.46	0.49	0.51	
			0.26	0.32	0.36	0.38	0.42	0.45	0.46	0.49	0.51	
BZ Class			4	4	4	4	4	5	5	5	5	
DF(F)			0.26	0.32	0.36	0.38	0.42	0.45	0.46	0.49	0.51	
DF(W)			0.34	0.28	0.24	0.22	0.18	0.15	0.14	0.11	0.09	
DF(C)			0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
DF(V) <i>Cylindrical</i>			0.04	0.06	0.08	0.09	0.11	0.13	0.14	0.17	0.18	
DF(S) <i>Scalar</i>			0.07	0.10	0.11	0.12	0.14	0.16	0.17	0.19	0.20	

Flux Fraction Ratio = 0.03
SHR MAX = 1.76
SHR MAX(TR) = 1.97

CIE Flux Code = 45 / 73 / 89 / 97 62
Light Output Ratio = 0.62
Downward LOR = 0.60
Upward LOR = 0.02

Luminous Intensity Values - (cd/1000 lm)

Gamma Angle (degrees)	Transverse Plane (0°)	Axial Plane (90°)	
0		196	196
5		196	194
10		196	192
15		195	185
20		195	170
25		197	170
30		197	163
35		192	150
40		179	125
45		145	115
50		123	86
55		111	64
60		103	45
65		96	33
70		89	24
75		75	11
80		50	6
85		37	1
90		21	0
95		14	0
100		10	0
105		7	0
110		6	0
115		5	0
120		3	0
125		3	0
130		1	0
135		1	0
140		0	0
145		0	0
150		0	0
155		0	0
160		0	0
165		0	0
170		0	0
175		0	0
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		0.329	0.057
25		0.399	0.086
30		0.465	0.120
35		0.524	0.158
40		0.573	0.195
45		0.612	0.231
50		0.642	0.264
55		0.663	0.291
60		0.676	0.311
65		0.684	0.327
70		0.688	0.338
75		0.691	0.346
80		0.692	0.350
85		0.692	0.351
90		0.692	0.351

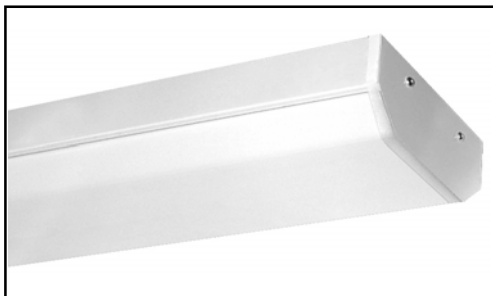
Luminance Distribution (cd/m²/klm)

Angle (degrees)	Transverse Plane	Axial Plane	
45		543	525
50		488	429
55		472	355
60		475	284
65		488	243
70		508	215
75		493	126
80		391	97
85		360	28

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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Oxford Range

Description:

Surface secure fitting with polycarbonate prismatic lens, twin tube

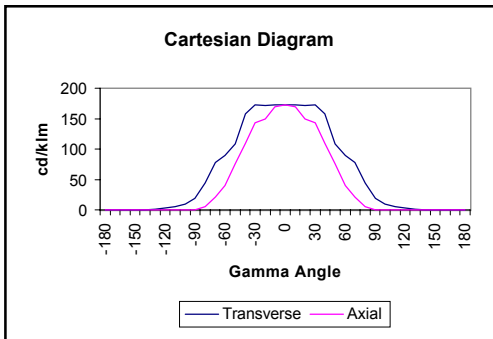
Dimensions (in mm):

Physical Length = 1560
Luminous Length = 1540



Physical Height = 110
Luminous Height = 50

Physical Width = 205
Luminous Width = 195



Conversion Terms:

OXF 236/P
OXF 258/P
OXF 270/P

Lamp

2 x 36W T8 1200mm
2 x 58W T8 1500mm
2 x 70W T8 1800mm

UF & PC

0.97
1.00
1.02

Utilisation Factors - UF(F)

Floor Reflectance - 20%

SHR NOM = 1.75

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	0.32	0.38	0.41	0.44	0.47	0.50	0.51	0.54	0.55	
	0.30		0.28	0.34	0.37	0.40	0.44	0.47	0.49	0.51	0.53	
	0.10		0.25	0.31	0.34	0.37	0.41	0.44	0.46	0.49	0.51	
0.50	0.50	0.20	0.31	0.36	0.40	0.42	0.45	0.47	0.49	0.51	0.53	
	0.30		0.27	0.33	0.36	0.39	0.42	0.45	0.47	0.49	0.51	
	0.10		0.24	0.30	0.34	0.36	0.40	0.43	0.45	0.48	0.49	
0.30	0.50	0.20	0.30	0.35	0.38	0.40	0.43	0.45	0.47	0.49	0.50	
	0.30		0.27	0.32	0.35	0.38	0.41	0.43	0.45	0.47	0.49	
	0.10		0.24	0.30	0.33	0.36	0.39	0.42	0.43	0.46	0.48	
0.00	0.00	0.00	0.23	0.28	0.31	0.34	0.37	0.39	0.41	0.43	0.45	
BZ Class			4	4	4	4	4	5	5	5	5	
DF(F)			0.23	0.28	0.31	0.34	0.37	0.39	0.41	0.43	0.45	
DF(W)			0.30	0.25	0.22	0.19	0.16	0.14	0.12	0.10	0.08	
DF(C)			0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
DF(V) <i>Cylindrical</i>			0.04	0.05	0.07	0.08	0.10	0.11	0.13	0.15	0.16	
DF(S) <i>Scalar</i>			0.07	0.08	0.10	0.11	0.13	0.14	0.15	0.17	0.18	

Flux Fraction Ratio = 0.03
SHR MAX = 1.76
SHR MAX(TR) = 1.96

CIE Flux Code = 45 / 73 / 89 / 97 54
Light Output Ratio = 0.54
Downward LOR = 0.53
Upward LOR = 0.02

Luminous Intensity Values - (cd/1000 lm)

Gamma Angle (degrees)	Transverse Plane (0°)	Axial Plane (90°)
0	173	173
5	173	170
10	173	169
15	172	162
20	172	149
25	173	149
30	173	143
35	169	131
40	158	110
45	127	107
50	108	76
55	98	56
60	90	40
65	85	29
70	78	21
75	66	10
80	44	5
85	32	1
90	19	0
95	12	0
100	9	0
105	6	0
110	5	0
115	4	0
120	3	0
125	2	0
130	1	0
135	0	0
140	0	0
145	0	0
150	0	0
155	0	0
160	0	0
165	0	0
170	0	0
175	0	0
180	0	0

Aspect Factors

Angle (degrees)	Parallel Plane	Perpendicular Plane
0		0.000
5		0.086
10		0.171
15		0.253
20		0.328
25		0.397
30		0.463
35		0.521
40		0.569
45		0.609
50		0.641
55		0.661
60		0.674
65		0.682
70		0.687
75		0.689
80		0.690
85		0.690
90		0.690

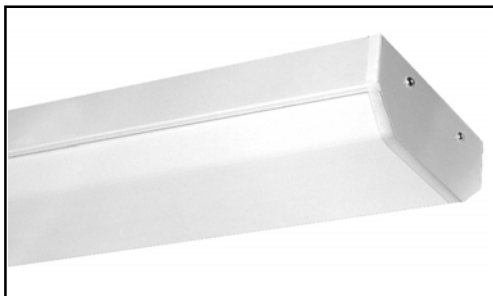
Luminance Distribution (cd/m²/klm)

Angle (degrees)	Transverse Plane	Axial Plane
45	476	488
50	429	379
55	416	311
60	415	252
65	432	214
70	446	188
75	434	115
80	344	81
85	311	28

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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Oxford Range

Description:

Surface secure fitting with polycarbonate opal diffuser, single tube

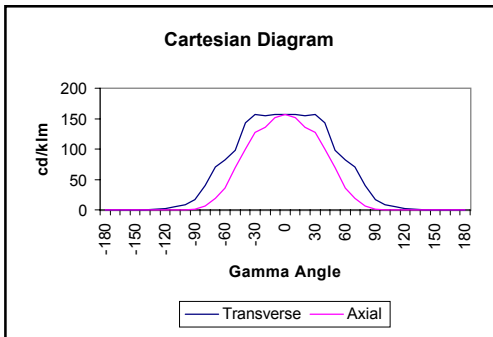
Dimensions (in mm):

Physical Length = 1560
Luminous Length = 1540



Physical Height = 110
Luminous Height = 50

Physical Width = 205
Luminous Width = 195



Conversion Terms:

OXF 136/O
OXF 158/O
OXF 170/O

Lamp

1 x 36W T8 1200mm
1 x 58W T8 1500mm
1 x 70W T8 1800mm

UF & PC

0.98
1.00
1.01

Utilisation Factors - UF(F)

Floor Reflectance - 20%

SHR NOM = 1.75

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	0.29	0.34	0.37	0.40	0.43	0.45	0.47	0.49	0.50	
	0.30		0.25	0.31	0.34	0.36	0.40	0.42	0.44	0.47	0.48	
	0.10		0.22	0.28	0.31	0.34	0.37	0.40	0.42	0.45	0.47	
0.50	0.50	0.20	0.28	0.33	0.36	0.38	0.41	0.43	0.45	0.47	0.48	
	0.30		0.25	0.30	0.33	0.35	0.38	0.41	0.42	0.45	0.46	
	0.10		0.22	0.27	0.30	0.33	0.36	0.39	0.41	0.43	0.45	
0.30	0.50	0.20	0.27	0.32	0.35	0.37	0.39	0.41	0.43	0.44	0.46	
	0.30		0.24	0.29	0.32	0.34	0.37	0.39	0.41	0.43	0.44	
	0.10		0.22	0.27	0.30	0.32	0.35	0.38	0.39	0.42	0.43	
0.00	0.00	0.00	0.21	0.26	0.28	0.30	0.33	0.36	0.37	0.39	0.41	
			BZ Class	4	4	4	4	4	5	5	5	5
			DF(F)	0.21	0.26	0.28	0.30	0.33	0.36	0.37	0.39	0.41
DF(W)	0.27	0.22	0.20	0.18	0.15	0.12	0.11	0.09	0.07			
DF(C)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
DF(V) <i>Cylindrical</i>	0.03	0.05	0.06	0.07	0.09	0.10	0.11	0.13	0.15			
DF(S) <i>Scalar</i>	0.06	0.08	0.09	0.10	0.11	0.13	0.14	0.15	0.16			

Flux Fraction Ratio = 0.03
SHR MAX = 1.76
SHR MAX(TR) = 1.97

CIE Flux Code = 44 / 73 / 89 / 97 49
Light Output Ratio = 0.49
Downward LOR = 0.48
Upward LOR = 0.01

Luminous Intensity Values - (cd/1000 lm)

Gamma Angle (degrees)	Transverse Plane (0°)	Axial Plane (90°)	
0	157	157	157
5	157	155	155
10	157	152	152
15	155	142	142
20	155	136	136
25	157	136	136
30	157	127	127
35	154	120	120
40	143	100	100
45	116	92	92
50	98	69	69
55	89	51	51
60	82	36	36
65	77	26	26
70	71	19	19
75	60	9	9
80	40	6	6
85	30	5	5
90	17	1	1
95	11	0	0
100	8	0	0
105	6	0	0
110	5	0	0
115	4	0	0
120	2	0	0
125	2	0	0
130	1	0	0
135	0	0	0
140	0	0	0
145	0	0	0
150	0	0	0
155	0	0	0
160	0	0	0
165	0	0	0
170	0	0	0
175	0	0	0
180	0	0	0

Aspect Factors

Angle (degrees)	Parallel Plane	Perpendicular Plane	
0		0.000	0.000
5		0.087	0.004
10		0.171	0.015
15		0.251	0.033
20		0.325	0.056
25		0.395	0.085
30		0.460	0.119
35		0.518	0.156
40		0.566	0.193
45		0.605	0.229
50		0.636	0.262
55		0.656	0.288
60		0.669	0.309
65		0.677	0.324
70		0.682	0.336
75		0.684	0.343
80		0.685	0.347
85		0.685	0.350
90		0.685	0.352

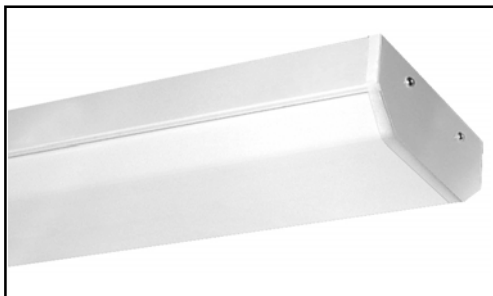
Luminance Distribution (cd/m²/klm)

Angle (degrees)	Transverse Plane	Axial Plane	
45		435	420
50		389	344
55		378	283
60		378	227
65		391	192
70		406	170
75		394	103
80		313	97
85		292	139

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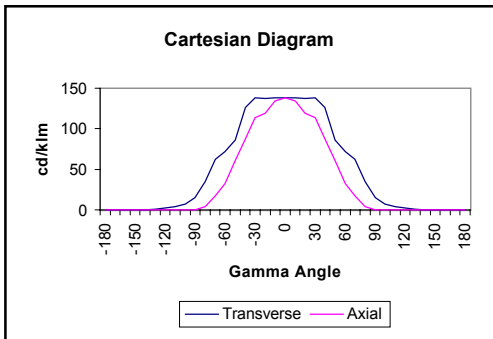
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Conversion Terms:

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OXF 258/O
OXF 270/O

Lamp

2 x 36W T8 1200mm
2 x 58W T8 1500mm
2 x 70W T8 1800mm

UF & PC

0.97
1.00
1.02

Utilisation Factors - UF(F)

Floor Reflectance - 20%

SHR NOM = 1.75

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	0.30	0.33	0.35	0.38	0.40	0.41	0.43	0.44	
	0.30		0.22	0.27	0.30	0.32	0.35	0.37	0.39	0.41	0.43	
	0.10		0.20	0.25	0.27	0.30	0.33	0.35	0.37	0.39	0.41	
0.50	0.50	0.20	0.25	0.29	0.32	0.34	0.36	0.38	0.39	0.41	0.42	
	0.30		0.22	0.26	0.29	0.31	0.34	0.36	0.37	0.39	0.41	
	0.10		0.20	0.24	0.27	0.29	0.32	0.34	0.36	0.38	0.40	
0.30	0.50	0.20	0.24	0.28	0.31	0.32	0.35	0.36	0.38	0.39	0.40	
	0.30		0.21	0.26	0.28	0.30	0.33	0.35	0.36	0.38	0.39	
	0.10		0.19	0.24	0.26	0.28	0.31	0.33	0.35	0.37	0.38	
0.00	0.00	0.00	0.18	0.23	0.25	0.27	0.30	0.31	0.33	0.35	0.36	
BZ Class			4	4	4	4	4	5	5	5	5	
DF(F)			0.18	0.23	0.25	0.27	0.30	0.31	0.33	0.35	0.36	
DF(W)			0.24	0.20	0.17	0.15	0.13	0.11	0.10	0.08	0.06	
DF(C)			0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
DF(V) <i>Cylindrical</i>			0.03	0.04	0.05	0.06	0.08	0.09	0.10	0.12	0.13	
DF(S) <i>Scalar</i>			0.05	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.14	

Flux Fraction Ratio = 0.03
SHR MAX = 1.76
SHR MAX(TR) = 1.97

CIE Flux Code = 45 / 73 / 89 / 97 44
Light Output Ratio = 0.44
Downward LOR = 0.42
Upward LOR = 0.01

Luminous Intensity Values - (cd/1000 lm)

Gamma Angle (degrees)	Transverse Plane (0°)	Axial Plane (90°)	
0	138	138	
5	138	135	
10	138	134	
15	137	130	
20	137	119	
25	138	119	
30	138	114	
35	135	105	
40	126	88	
45	102	86	
50	86	61	
55	78	45	
60	72	32	
65	68	23	
70	62	17	
75	53	8	
80	35	4	
85	26	1	
90	15	0	
95	10	0	
100	7	0	
105	5	0	
110	4	0	
115	3	0	
120	2	0	
125	1	0	
130	1	0	
135	0	0	
140	0	0	
145	0	0	
150	0	0	
155	0	0	
160	0	0	
165	0	0	
170	0	0	
175	0	0	
180	0	0	

Aspect Factors

Angle (degrees)	Parallel Plane	Perpendicular Plane	
0		0.000	0.000
5		0.086	0.004
10		0.171	0.015
15		0.252	0.033
20		0.327	0.057
25		0.397	0.086
30		0.462	0.120
35		0.521	0.157
40		0.569	0.194
45		0.610	0.231
50		0.641	0.266
55		0.662	0.292
60		0.675	0.313
65		0.683	0.328
70		0.687	0.340
75		0.690	0.347
80		0.691	0.351
85		0.691	0.353
90		0.691	0.353

Luminance Distribution (cd/m²/klm)

Angle (degrees)	Transverse Plane	Axial Plane	
45		382	392
50		341	304
55		331	250
60		332	202
65		346	169
70		354	152
75		348	92
80		273	65
85		253	28

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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