

EMERGENCY LIGHTING SPACING TABLES

MENVIER LUMINAIRE SPACING TABLES

Note: The photometric design data is registered within the ICEL photometric scheme which requires that













a) The luminaire complies with BSEN 60598.2.22

b) Cooper Lighting and Security has BSEN ISO9000 approval

c) The fittings are tested photometrically by BSI

d) The derived data is subject to ICEL's third party inspection

Self Contained Luminaires

Luminaire type	Mounting height (m)	Lux level directly under	Escape route 2m wide 1 lux min				Escape route 2m wide 0.2 lux min (unobstructed routes)				Open (anti-panic) area 0.5 lux min				
															
Atlantic	NM	2.5	1.66	1.6	7.4	4.3	1.3	5.4	12.9	7.3	3.0	2.5	9.1	5.3	1.4
		4.0	0.65	-	-	-	-	5.1	15.2	8.8	3.0	0.7	9.6	5.8	0.4
		6.0	0.29	-	-	-	-	2.2	13.2	8.4	1.6	-	-	-	-
	M	2.5	1.40	1.2	6.6	3.9	1.0	5.4	12.9	7.3	3.0	2.3	8.8	5.0	1.4
		4.0	0.55	-	-	-	-	5.1	15.2	8.8	3.0	0.9	8.0	5.0	0.6
		6.0	0.25	-	-	-	-	2.2	13.2	8.4	1.6	-	-	-	-
Atlantic Plus	NM	2.5	3.05	3.5	10.3	5.8	2.1	6.5	15.8	9.6	3.9	3.6	10.9	6.7	2.0
		4.0	1.19	1.6	8.8	5.6	1.1	7.5	19.8	11.2	4.2	3.0	13.4	7.7	1.9
		6.0	0.53	-	-	-	-	6.0	20.4	12.0	4.0	1.1	11.1	5.0	0.7
	M	2.5	2.59	3.0	9.6	5.4	1.9	6.5	15.8	9.6	3.9	3.3	10.0	6.1	1.8
		4.0	1.01	0.8	7.2	5.0	0.3	7.5	19.8	11.2	4.2	2.5	12.8	7.2	1.7
		6.0	0.45	-	-	-	-	6.0	20.4	12.0	4.0	-	-	-	-
Britelite	NM	2.5	3.28	3.9	11.3	4.0	2.0	7.4	17.6	8.8	3.6	4.0	12.0	6.0	1.9
		4.0	1.28	2.1	9.6	5.6	1.2	8.4	21.8	10.8	4.0	3.3	14.8	7.2	1.9
		6.0	0.57	-	-	-	-	7.0	24.0	11.6	4.0	1.6	12.4	7.4	0.8
	M	2.5	2.75	3.3	10.7	5.2	1.8	7.4	17.8	8.8	3.6	3.7	11.7	5.8	1.8
		4.0	1.07	1.5	8.0	5.0	0.7	8.4	21.8	10.8	4.0	3.5	14.2	7.0	1.7
		6.0	0.48	-	-	-	-	7.0	24.0	11.6	4.0	-	-	-	-
EuroLite	NM	2.5	2.28	2.6	6.9	4.3	1.3	4.3	10.1	8.0	3.2	2.2	7.5	5.6	1.5
		4.0	0.89	-	7.4	3.1	-	5.3	12.9	8.0	3.2	2.5	8.6	5.6	1.0
		6.0	0.40	-	-	-	-	5.7	15.1	9.1	2.4	-	-	-	-
	M	2.5	1.94	2.5	6.7	4.1	1.2	4.3	10.1	8.0	3.2	2.2	7.2	5.4	1.4
		4.0	0.75	-	6.6	2.0	-	5.3	12.9	8.0	3.2	2.4	8.2	5.4	0.9
		6.0	0.33	-	-	-	-	5.7	15.1	9.1	2.4	-	-	-	-
Kwiklite	NM	2.5	2.46	2.5	6.9	6.5	2.2	4.6	11.8	10.6	4.2	2.4	8.1	7.2	2.2
		4.0	0.96	-	6.7	6.3	-	5.0	13.2	12.0	4.6	2.3	9.2	8.4	2.2
		6.0	0.42	-	-	-	-	5.3	14.1	13.3	4.5	-	9.8	9.1	-
	M	2.5	2.09	2.2	6.5	6.0	1.8	4.6	11.8	10.6	4.2	2.2	7.8	7.0	2.1
		4.0	0.81	-	6.1	5.6	-	5.0	13.2	12.0	4.6	2.1	8.5	7.8	1.9
		6.0	0.36	-	-	-	-	5.3	14.1	13.3	4.5	-	-	-	-
New Safe 8	NM	2.5	2.30	2.0	5.9	5.3	1.8	4.3	10.8	8.8	3.5	2.0	7.5	6.0	1.6
		4.0	0.92	-	-	-	-	4.2	12.2	10.3	3.9	1.8	8.4	7.0	1.6
		6.0	0.42	-	-	-	-	3.8	12.0	10.8	3.3	-	-	-	-
	M	2.5	2.02	1.8	5.4	4.9	1.8	4.3	10.8	8.8	3.5	1.6	7.2	5.7	1.3
		4.0	0.79	-	-	-	-	4.2	12.2	10.3	3.9	1.6	7.5	6.5	1.4
		6.0	0.35	-	-	-	-	3.8	12.0	10.8	3.3	-	-	-	-
Planete	NM	2.5	4.70	5.1	14.0	6.6	2.5	9.0	21.2	11.2	4.6	4.9	14.5	7.2	2.4
		4.0	1.80	3.0	16.3	6.4	2.1	11.6	27.6	13.4	5.0	5.7	18.0	8.6	2.5
		6.0	0.82	-	8.0	6.0	-	12.6	32.0	15.5	5.0	3.5	21.0	10.0	2.1
Roundlite	NM	2.5	5.30	3.1	9.1	9.1	3.1	6.0	14.2	14.2	5.6	3.1	9.6	9.6	3.1
		4.0	2.07	2.6	8.6	8.6	2.6	6.3	16.4	16.4	6.3	3.0	11.2	11.2	3.0
		6.0	0.87	-	7.0	7.0	-	6.1	17.8	17.8	6.1	2.4	12.0	12.0	2.4
	M	2.5	4.51	2.8	8.1	8.1	2.8	5.6	14.2	14.2	5.6	2.8	9.2	9.2	2.8
		4.0	1.76	2.3	7.7	7.7	2.3	6.3	16.4	16.4	6.3	2.7	10.6	10.6	2.7
		6.0	0.74	-	6.0	6.0	-	6.1	17.8	17.8	6.1	1.7	11.2	11.2	1.7
Slimlite	NM	2.5	1.17	1.4	4.8	4.4	1.2	3.5	9.2	8.4	3.2	1.6	6.3	5.7	1.4
		4.0	0.46	-	-	-	-	3.4	10.0	9.2	3.2	-	-	-	-
		6.0	0.21	-	-	-	-	-	-	-	-	-	-	-	-
	M	2.5	1.02	1.1	4.4	4.0	0.9	3.5	9.2	8.4	3.2	1.5	6.0	5.6	1.4
		4.0	0.40	-	-	-	-	3.4	10.0	9.2	3.2	-	-	-	-
		6.0	0.18	-	-	-	-	-	-	-	-	-	-	-	-
Vistral	NM	2.5	2.70	2.4	5.8	5.4	1.9	3.8	9.2	9.1	3.6	2.0	6.3	6.2	1.9
		4.0	1.06	1.6	7.2	5.1	0.6	4.4	10.7	10.6	4.0	2.5	7.4	7.0	1.7
		6.0	0.47	-	-	-	-	5.3	13.0	11.3	3.6	-	8.8	7.4	-
	M	2.5	2.16	2.3	5.6	5.0	1.7	3.6	9.2	9.1	3.6	2.0	5.9	5.7	1.7
		4.0	0.90	-	6.8	4.4	-	4.4	10.7	10.6	4.0	2.3	7.0	6.7	1.5
		6.0	0.40	-	-	-	-	5.3	13.0	11.3	3.6	-	8.5	7.0	-
Weatherlite	NM	2.5	4.00	2.7	7.2	6.6	2.5	4.8	12.4	10.8	4.3	2.5	8.5	7.4	2.3
		4.0	1.56	2.1	7.5	6.8	1.9	5.3	15.5	12.8	4.9	2.6	9.8	8.6	2.3
		6.0	0.69	-	5.3	4.7	-	5.3	15.5	13.7	4.8	1.8	10.3	9.5	1.6
	M	2.5	3.40	2.5	7.0	6.3	2.2	4.8	12.4	10.6	4.3	2.4	7.8	6.8	2.1
		4.0	1.32	1.6	6.8	6.2	1.4	5.3	15.5	12.8	4.9	2.3	9.2	8.2	2.1
		6.0	0.59	-	3.6	3.4	-	5.3	15.5	13.7	4.8	1.2	9.8	8.8	1.1

MENVIER LUMINAIRE SPACING TABLES

Slave Luminaires

Luminaire type	Mounting height (m)	Lux level directly under	Escape route 2m wide 1 lux min				Escape route 2m wide 0.2 lux min (unobstructed routes)				Open (anti-panic) area 0.5 lux min				
Atlantic	AC/DC	2.5	3.05	3.5	10.4	5.9	2.0	6.7	16.2	10.0	4.0	3.6	10.7	6.7	2.0
		4.0	1.19	1.3	9.9	5.6	1.1	8.1	20.3	12.0	4.6	3.1	13.5	7.7	2.0
		6.0	0.53	-	-	-	-	7.4	23.0	13.0	4.6	1.1	12.0	7.9	0.7
	AC/AC	2.5	4.40	4.3	11.4	6.6	2.4	6.9	15.8	10.8	4.4	4.0	10.6	7.0	1.7
		4.0	1.70	2.7	12.0	6.6	2.0	8.9	20.8	13.0	5.2	4.2	13.7	8.5	1.7
		6.0	0.80	-	6.2	5.4	-	9.3	22.4	14.8	5.4	2.2	15.3	9.5	1.4
Eurolite	AC/DC	2.5	3.22	3.3	8.2	5.7	2.0	5.1	12.0	10.0	4.0	2.8	8.1	6.4	2.0
		4.0	1.25	3.2	9.9	5.6	1.3	6.5	15.6	11.6	4.5	3.4	10.2	7.5	1.9
		6.0	0.56	-	-	-	-	7.3	18.8	12.0	5.0	3.3	12.3	7.7	0.8
	AC/AC	2.5	4.40	3.6	8.6	6.4	2.4	5.3	12.4	10.6	4.4	3.0	8.3	7.0	1.6
		4.0	1.70	2.7	10.8	6.4	2.0	6.7	15.8	12.6	4.9	3.8	10.4	8.4	1.6
		6.0	0.80	-	11.8	5.4	-	8.1	20.0	14.0	5.3	4.1	13.0	9.1	1.4
New Safe 8	AC/DC	2.5	4.43	2.8	8.2	6.8	2.6	5.8	14.0	10.5	4.6	2.8	9.2	7.2	2.3
		4.0	1.73	2.6	8.0	7.3	2.2	6.5	17.0	13.6	5.4	2.8	11.2	8.9	2.5
		6.0	0.77	-	-	-	-	6.3	18.2	15.6	5.7	2.3	11.0	9.8	2.1
	AC/AC	2.5	6.10	3.5	8.6	7.4	2.8	6.0	15.8	11.4	4.7	3.0	10.1	7.4	1.9
		4.0	2.30	3.0	9.4	8.2	2.8	7.1	18.2	14.6	5.8	3.3	11.9	9.5	2.1
		6.0	1.10	1.2	8.8	7.8	1.0	7.5	22.0	17.0	6.4	3.1	13.4	11.1	2.0
Slimlite	AC/DC	2.5	2.24	2.3	6.6	6.2	2.2	4.9	12.4	11.0	4.3	2.3	7.9	7.2	2.1
		4.0	0.88	-	-	-	-	5.5	14.0	12.9	4.9	2.2	8.9	8.4	2.1
		6.0	0.39	-	-	-	-	5.2	14.8	14.0	4.7	-	-	-	-
	AC/AC	2.5	4.10	2.3	6.4	6.2	2.2	4.3	10.8	10.6	4.2	2.2	7.3	7.1	1.6
		4.0	1.50	2.0	6.6	6.6	1.8	5.2	12.8	13.0	5.0	2.3	8.4	8.4	1.7
		6.0	0.75	-	5.4	5.2	-	5.6	15.4	14.4	5.6	1.9	9.7	9.5	1.3
Vistral	AC/DC	2.5	4.89	2.9	6.8	6.8	2.6	4.8	12.0	11.2	4.6	2.3	7.5	7.2	2.3
		4.0	1.91	3.5	8.6	7.4	2.3	5.5	14.0	13.6	5.4	3.0	8.9	8.9	2.5
		6.0	0.85	-	-	-	-	6.6	16.0	15.5	5.8	3.5	10.0	9.8	2.1
	AC/AC	2.5	6.70	3.1	7.8	7.8	3.0	5.1	12.6	11.8	5.0	2.7	8.4	7.7	2.0
		4.0	2.60	3.9	9.0	8.4	2.9	6.0	14.8	14.8	6.0	3.2	9.8	9.8	2.1
		6.0	1.10	3.1	11.2	7.6	1.4	7.0	17.6	17.6	6.7	3.9	11.2	11.2	1.9
Weatherlite	AC/DC	2.5	3.68	2.6	7.2	6.4	2.4	5.2	13.2	10.7	4.4	2.3	8.6	7.1	2.2
		4.0	1.43	2.0	7.2	6.6	2.0	5.7	15.2	13.2	5.1	2.5	9.8	8.4	2.1
		6.0	0.64	-	-	-	-	5.8	16.3	14.3	5.2	1.5	10.0	9.0	1.4
	AC/AC	2.5	5.10	3.1	8.4	6.8	2.5	5.8	14.4	11.6	4.7	2.9	9.5	7.3	1.7
		4.0	1.90	2.8	8.8	7.6	2.3	6.7	16.6	13.8	5.6	3.1	10.9	9.1	1.9
		6.0	1.00	0.5	8.0	6.8	0.5	7.0	19.2	16.6	6.2	2.8	12.3	10.6	1.7













CeaGuard Luminaires

Luminaire type	Mounting height (m)	Lux level directly under	Escape route 2m wide 1 lux min				Escape route 2m wide 0.2 lux min (unobstructed routes)				Open (anti-panic) area 0.5 lux min			
75% Atlantic AT230CG	2.5	3.60	3.9	11.0	6.3	2.3	6.9	16.4	10.3	4.3	3.8	11.2	7.0	2.2
	4.0	1.41	2.0	10.3	6.3	1.6	8.6	21.0	12.7	5.0	3.6	14.0	8.3	2.2
	6.0	0.63	-	4.4	4.0	-	8.5	24.2	14.1	5.0	1.5	15.4	8.9	1.4
75% New Safe 8 NS8230CG	2.5	7.33	3.7	10.0	8.1	3.2	6.7	17.0	12.6	5.2	3.5	11.2	8.4	2.8
	4.0	2.86	3.6	10.5	9.2	3.2	8.0	20.0	16.0	3.2	3.6	13.3	10.5	3.2
	6.0	1.27	2.5	10.0	9.1	2.1	8.3	22.0	18.4	7.1	3.5	14.2	11.4	3.1
75% Vistral VS230CG	2.5	6.97	3.2	8.2	8.2	3.2	5.6	13.6	13.0	5.3	2.9	9.1	8.7	2.9
	4.0	2.73	4.1	9.6	9.2	3.3	6.5	16.2	16.2	6.5	3.3	19.6	10.6	3.2
	6.0	1.21	4.3	11.9	9.1	3.4	7.5	18.5	18.2	7.2	4.1	12.0	12.0	2.7
75% Eurolite EU230CG	2.5	5.87	4.0	9.4	7.1	2.7	4.9	12.4	11.6	4.8	3.2	9.2	7.5	2.4
	4.0	2.29	4.6	11.8	7.6	2.5	7.5	17.0	14.0	5.6	4.1	11.6	9.2	2.6
	6.0	1.03	4.0	13.2	7.0	0.2	9.1	22.0	16.0	6.0	4.6	14.4	10.5	2.4
75% Weatherlite WL230CG	2.5	5.86	3.4	8.9	7.8	2.9	6.3	16.0	12.8	5.2	3.1	10.2	8.4	2.7
	4.0	2.28	3.2	9.4	8.4	2.9	7.0	18.0	15.6	6.2	3.2	11.6	9.9	2.9
	6.0	1.02	1.0	8.8	8.0	1.0	7.5	20.0	17.6	6.7	3.0	12.9	11.3	2.8

EMERGENCY LIGHTING SPACING TABLES

JSB LUMINAIRE SPACING TABLES













Self Contained Luminaires

Luminaire type	Mounting height (m)	Escape route 2m wide 1 lux min				Escape route 2m wide 0.2 lux min (unobstructed routes)				Open (anti-panic) area 0.5 lux min				
														
AG Bulkhead	NM	2.5	1.8	5.6	4.7	1.5	4.0	10.3	8.3	3.2	2.0	5.4	4.4	1.6
		3.0	1.4	5.5	4.6	1.1	4.0	10.7	8.9	3.3	1.9	5.5	4.6	1.6
		4.0	-	-	-	-	4.0	11.2	9.5	3.4	1.6	5.5	4.6	1.3
	M	2.5	1.5	5.2	4.2	1.2	4.0	10.3	8.3	3.2	1.8	5.1	4.2	1.5
		3.0	0.9	4.9	4.1	0.7	4.0	10.7	8.9	3.3	1.7	5.2	4.3	1.5
		4.0	-	-	-	-	4.0	11.2	9.5	3.4	1.2	5.0	4.2	1.0
Alfalux and Ekolux	NM	2.5	2.0	6.0	5.1	1.7	4.2	10.9	3.6	8.9	2.2	6.0	4.8	1.9
		3.0	1.8	5.9	5.1	1.5	4.3	11.4	9.5	3.7	2.2	6.2	5.0	1.7
		4.0	-	-	-	-	4.5	12.1	10.4	3.9	2.0	6.3	5.3	1.7
	M	2.5	1.8	5.6	4.7	1.5	4.2	10.9	8.9	3.6	2.1	5.6	4.6	1.7
		3.0	1.5	5.6	4.6	1.2	4.3	11.4	9.5	3.7	2.0	5.8	4.8	1.7
		4.0	-	-	-	-	4.5	12.1	10.4	3.9	1.7	5.8	4.9	1.5
Delta	NM	2.5	1.8	7.8	3.8	1.0	5.3	13.4	6.8	2.7	2.7	9.3	4.7	1.3
		3.0	1.0	7.4	3.4	1.1	5.6	14.4	7.2	2.7	2.5	10.0	5.0	1.1
		4.0	-	-	-	-	5.5	15.6	7.6	2.8	0.7	10.6	5.3	0.5
	M	2.5	0.9	7.0	3.4	0.7	5.3	13.4	6.8	2.7	2.4	8.9	4.4	1.1
		3.0	0.9	5.6	3.8	0.7	5.6	14.4	7.2	2.7	2.2	9.2	4.7	1.0
		4.0	-	-	-	-	5.5	15.6	7.6	2.6	0.5	8.4	5.6	0.4
DRG	NM	2.5	2.4	6.5	6.5	2.4	4.4	11.1	11.1	4.4	3.2	7.5	7.5	3.2
		3.0	2.4	6.8	6.8	2.4	4.6	12.0	12.0	4.6	2.3	8.2	8.2	2.3
		4.0	1.9	6.8	6.8	1.9	4.0	12.9	12.9	4.0	2.3	8.9	8.9	2.3
	M	2.5	2.3	5.2	5.2	2.3	4.4	11.1	11.1	4.4	2.1	7.2	7.2	2.1
		3.0	2.1	5.0	5.0	2.1	4.6	12.0	12.0	4.6	2.2	7.7	7.7	2.2
		4.0	1.4	6.1	6.1	1.4	4.0	10.9	10.9	4.0	2.1	8.4	8.4	2.1
Fairlite RG and SG16W	NM	2.5	1.5	4.8	4.8	1.5	3.5	9.0	9.0	3.5	1.6	5.6	5.6	1.6
		3.0	1.1	4.5	4.5	1.1	3.6	9.6	9.6	3.6	1.6	6.1	6.1	1.6
		4.0	-	-	-	-	3.8	10.1	10.1	3.8	1.2	6.5	6.5	1.2
	M	2.5	2.3	6.3	6.3	2.3	4.4	11.1	11.1	4.4	2.1	7.2	7.2	2.1
		3.0	2.1	6.4	6.4	2.1	4.6	12.0	12.0	4.6	2.2	7.7	7.7	2.2
		4.0	-	-	-	-	3.4	9.6	9.6	3.4	0.8	6.1	6.1	0.8
Fairlite RG28 and SG28	NM	2.5	2.1	6.0	6.0	2.1	4.2	10.4	10.4	4.2	2.1	7.0	7.0	2.1
		3.0	2.0	6.0	6.0	2.0	4.4	11.2	11.2	4.4	2.1	7.2	7.2	2.1
		4.0	1.2	5.9	5.9	1.2	4.7	12.2	12.2	4.7	2.0	8.0	8.0	2.0
	M	2.5	1.9	5.6	5.6	1.9	4.0	10.0	10.0	4.0	1.9	6.7	6.7	1.9
		3.0	1.7	5.6	5.6	1.7	4.2	10.4	10.4	4.2	1.9	7.0	7.0	1.9
		4.0	0.4	5.2	5.2	0.4	4.4	11.4	11.4	4.4	1.8	7.4	7.4	1.8
Jubilee	NM	2.5	2.0	5.8	5.4	1.8	4.0	10.5	9.2	3.6	2.1	5.7	5.0	1.9
		3.0	1.7	5.9	5.4	1.6	4.2	11.0	9.8	3.8	2.1	5.9	5.2	1.9
		4.0	-	-	-	-	4.3	11.8	10.6	4.0	1.9	6.0	5.4	1.7
	M	2.5	1.7	5.5	5.0	1.6	4.0	10.5	9.2	3.6	2.0	5.4	4.8	4.0
		3.0	1.5	5.4	4.9	1.3	4.2	11.0	9.8	3.8	2.0	5.6	5.0	4.2
		4.0	-	-	-	-	4.3	11.8	10.6	4.0	1.7	5.6	5.1	4.3
Sintralite	NM	2.5	2.0	5.8	4.8	1.6	3.9	9.9	8.4	3.3	2.0	6.7	4.3	1.6
		3.0	1.5	5.9	4.8	1.4	4.0	10.2	8.8	3.2	2.0	7.0	5.8	1.6
		4.0	-	-	-	-	4.2	11.2	5.4	3.5	1.6	7.8	6.4	1.4
	M	2.5	1.7	5.4	4.4	1.4	3.9	9.9	8.4	3.3	1.8	6.3	5.4	1.4
		3.0	1.1	5.4	4.3	1.1	4.0	10.2	8.8	3.2	1.8	6.7	5.7	1.4
		4.0	-	-	-	-	4.2	11.2	5.4	3.5	1.1	7.2	6.1	1.1
Stylite	NM	2.5	0.7	3.5	2.4	0.5	2.1	4.9	4.9	2.1	1.2	3.3	3.3	0.8
		3.0	0.5	2.7	2.0	0.4	2.3	5.4	4.5	1.9	0.9	3.8	3.6	0.6
		4.0	0.3	1.6	1.2	0.3	2.7	6.6	3.4	1.8	0.5	4.3	3.9	0.4
Waylite*	M	2.0	2.6	6.6	4.8	1.8	5.0	12.0	7.8	3.2	-	-	-	-
		2.5	2.5	7.6	5.0	1.7	2.5	13.6	8.0	3.5	-	-	-	-
		3.0	3.2	7.6	5.0	1.5	5.7	14.0	8.5	3.7	-	-	-	-
Zeta II	NM	2.5	1.7	5.4	4.9	1.6	4.2	11.6	8.3	3.4	1.8	7.2	5.6	0.9
		3.0	1.6	5.2	4.8	1.3	4.2	11.6	9.2	3.6	1.8	7.2	6.0	0.9
		4.0	-	-	-	-	4.3	11.9	10.0	3.9	1.6	7.5	6.5	1.4
	M	2.5	1.5	5.0	4.6	1.4	4.0	10.8	8.2	3.3	1.7	7.0	5.4	1.5
		3.0	1.3	4.8	4.4	1.0	4.0	11.0	8.8	3.5	1.6	7.0	5.7	1.5
		4.0	-	-	-	-	4.0	11.1	9.6	3.6	1.4	7.0	6.2	1.1

*Note: Exit signs should be mounted between 2.0 & 2.5m above floor level, unless an alternative height is agreed with the fire authority

JSB LUMINAIRE SPACING TABLES

Slave Luminaires

Luminaire type	Mounting height (m)	Escape route 2m wide 1 lux min				Escape route 2m wide 0.2 lux min (unobstructed routes)				Open (anti-panic) area 0.5 lux min				
														
AG Bulkhead	AC/DC	2.5	2.5	7.0	5.8	2.1	4.9	12.7	10.0	4.0	2.5	6.6	5.3	2.0
		4.0	1.5	6.6	5.7	1.2	5.3	14.5	11.9	4.6	2.4	7.0	5.8	2.0
		6.0	-	-	-	-	5.1	15.5	13.1	4.6	-	-	-	-
	AC/AC	2.5	3.0	8.0	6.0	2.2	5.7	14.8	10.6	4.2	2.8	9.8	7.0	1.5
		4.0	2.3	7.8	6.6	1.8	6.2	16.6	12.6	5.0	2.7	10.8	8.4	1.7
		6.0	-	6.8	5.6	-	6.7	18.6	14.8	5.7	2.4	11.8	9.9	1.4
Alfalux and Ekolux	AC/DC	2.5	2.5	7.0	5.8	2.1	4.9	12.7	10.0	4.0	2.5	6.6	5.3	2.0
		4.0	1.5	6.6	5.7	1.2	5.3	14.5	11.9	4.6	2.4	7.0	5.8	2.0
		6.0	-	-	-	-	5.1	15.5	13.1	4.6	-	-	-	-
	AC/AC	2.5	2.5	7.0	6.2	2.2	5.2	13.6	10.6	4.3	2.5	8.8	7.0	1.6
		4.0	2.3	7.6	6.4	1.8	6.0	15.6	13.0	5.0	2.7	9.8	8.4	1.6
		6.0	-	7.2	5.8	-	6.7	17.8	15.4	5.6	2.5	11.6	9.8	1.5
Delta	AC/DC	2.5	3.7	10.2	5.0	1.8	7.0	17.8	8.4	3.5	3.5	11.7	5.6	1.7
		4.0	2.2	8.5	6.0	1.6	6.7	18.7	10.4	4.0	3.5	12.7	6.7	1.6
		6.0	-	-	-	-	6.8	18.7	11.8	3.8	2.1	8.6	5.9	1.4
	AC/AC	2.5	3.8	10.2	5.2	1.6	7.1	17.6	8.8	3.2	3.6	11.6	5.7	1.3
		4.0	1.3	10.0	5.0	1.0	8.2	20.8	10.4	4.0	3.5	13.2	7.0	1.3
		6.0	-	3.4	2.2	-	8.8	24.0	12.6	4.5	1.2	15.4	7.7	0.6
DRG	AC/DC	2.5	3.6	9.5	9.5	3.6	6.4	16.0	16.0	6.4	3.2	10.3	10.3	3.2
		4.0	3.9	10.5	10.5	3.9	7.2	18.4	18.4	7.2	3.7	12.0	12.0	3.7
		6.0	3.2	10.8	10.8	3.2	8.2	21.0	21.0	8.2	3.8	14.0	14.0	3.8
	AC/AC	2.5	5.5	13.6	13.6	5.5	9.1	24.0	24.0	9.1	4.7	15.4	15.4	4.7
		4.0	6.4	16.4	16.4	6.4	10.8	27.0	27.0	10.8	5.7	18.2	18.2	5.7
		6.0	7.0	18.4	18.4	7.0	12.5	31.5	31.5	12.5	6.4	20.7	20.7	6.4
Fairlite RG16W	AC/AC	2.5	4.0	10.0	10.0	4.0	6.6	16.2	16.2	6.6	3.5	10.3	10.3	3.5
		4.0	4.4	11.8	11.8	4.4	8.0	20.0	20.0	8.0	4.1	12.7	12.7	4.1
		6.0	4.2	12.8	12.8	4.2	9.2	23.2	23.2	9.2	4.4	15.1	15.1	4.4
Fairlite RG28W	AC/DC	2.5	3.2	8.4	8.4	3.2	5.7	13.6	13.6	5.7	2.9	9.1	9.1	2.9
		4.0	4.4	9.6	9.6	4.4	6.7	16.5	16.5	6.7	3.3	11.2	11.2	3.3
		6.0	2.4	9.5	9.5	2.4	7.5	19.1	19.1	7.5	3.3	12.6	12.6	3.3
	AC/AC	2.5	5.0	12.5	12.5	5.0	8.2	18.4	18.4	8.2	4.4	12.6	12.6	4.4
		4.0	5.9	15.1	15.1	5.9	10.0	22.0	22.0	10.0	5.2	15.4	15.4	5.2
		6.0	6.4	16.8	16.8	6.4	11.4	26.0	26.0	11.4	5.8	18.1	18.1	5.8
Jubilee	AC/DC	2.5	2.4	6.6	6.1	2.2	4.9	12.1	10.4	4.2	2.4	6.3	5.5	2.1
		4.0	1.6	6.5	6.1	1.5	5.4	13.9	12.4	4.8	2.4	6.9	6.2	2.1
		6.0	-	-	-	-	5.2	15.2	13.8	4.8	-	-	-	-
	AC/AC	2.5	2.9	7.6	6.6	2.4	5.5	13.4	11.2	4.4	2.7	8.7	7.3	1.7
		4.0	2.2	8.0	6.8	2.2	6.2	16.0	13.8	5.3	2.8	10.2	8.7	1.7
		6.0	-	7.2	6.0	-	6.8	18.6	15.8	6.0	2.5	11.8	10.1	1.5
Sintralite	AC/DC	2.5	2.8	7.5	6.3	2.3	5.0	12.2	10.2	4.2	2.5	8.0	6.8	2.1
		4.0	2.1	8.0	6.4	1.9	5.7	14.4	12.2	4.9	2.8	9.5	8.2	2.2
		6.0	-	-	-	-	6.2	16.2	14.0	5.0	1.8	10.8	9.1	1.8
	AC/AC	2.5	3.3	8.4	6.0	2.3	5.0	12.0	10.4	4.2	2.9	8.1	6.7	1.5
		4.0	3.8	10.2	6.2	1.8	6.2	15.6	12.4	4.9	3.6	10.2	8.0	1.6
		6.0	-	10.8	4.6	-	8.0	19.4	13.8	5.0	3.8	12.6	8.7	1.2
Zeta II	AC/DC	2.5	2.5	7.2	6.0	2.3	5.5	14.6	9.7	4.1	2.6	7.4	5.3	2.1
		4.0	1.0	7.0	6.7	1.9	5.7	15.8	12.0	4.8	2.5	7.5	6.3	2.3
		6.0	-	-	-	-	5.6	16.2	14.0	5.2	1.8	7.0	6.6	1.8
	AC/AC	2.5	3.0	8.4	6.0	2.6	6.3	16.6	10.6	4.7	2.9	10.9	7.0	1.5
		4.0	2.9	8.4	7.6	2.6	6.7	18.4	13.4	5.7	2.9	11.8	8.7	1.9
		6.0	0.5	8.2	7.4	0.5	7.1	19.6	16.0	6.1	2.9	11.8	10.5	1.9

EMERGENCY LIGHTING SPACING TABLES

To enable photometric designs to be performed as required by BS 5266 pts 1 and 7, the following factors need to be used to ensure that the worst case conditions are designed for.

Initial lamp lumens of the lamp must be derated by:

- Ballast lumen factor (for emergency circuits, these are independently tested and their % value is shown)
- K Factor for the effect of reduction in supply voltage as the battery discharges, and of cable voltage drop on central systems
- S Factor to compensate for the ageing of lamps during service life.

The effect of dirt on the diffuser must also be allowed for, so an allowance for 20% as recommended by ICEL has been built into these spacing tables. If the design is being produced on a computer, similar allowance should be made.

System lumen reduction factors used in the following lumens chart are:

SYSTEM TYPE	SELF-CONTAINED	24 VOLT SLAVE	50 & 110 VOLT SLAVE	230 VOLT INVERTER SLAVE
K Factor	0.85	0.65	0.7	0.95
S Factor	0.85	0.85	0.85	0.85

When applied with the appropriate Ballast Lumen Factors % with typical fluorescent lamps, they give the following Emergency Lighting Design Lumens (ELDL) for typical fluorescent lamps which can be used for spacing calculations:

TRI-PHOSPHOR LINEAR LAMPS		Self Contained						Central Battery System					
WATT	LUMEN	QX SERIES			ADV SERIES			24V SLAVE		50V/110V SLAVE		230V SLAVE	
		Type	BLF	EIDL	TYPE	BLF	EIDL	BLF	EIDL	BLF	EIDL	EIDL	
18	1350	BQX	10	100	ADV343	11	105	31	230	44	350	1100	
36	3350	BQX	9	215	ADV343	8	195	22	400	33	650	2700	
58	5200	CQX	6	225	ADV453	7	260	-	-	24	740	4200	
70	6550	DQX	5	235	ADV563	7	330	-	-	18	700	5300	
HALO-PHOSPHATE LINEAR LAMPS													
18	1200	BQX	10	85	ADV343	11	95	31	200	44	310	970	
36	2900	BQX	9	190	ADV343	8	185	22	350	33	560	2340	
58	4800	CQX	6	210	ADV453	7	210	-	-	24	685	3870	
70	5800	DQX	5	210	ADV563	7	290	-	-	18	620	4680	
COMPACT LAMPS													
16 - 2D	1050	BQX	13	100	ADV343	13	100	45	260	65	400	850	
28 - 2D	2050	-	-	-	ADV443	14	205	28	315	40	500	1655	
38 - 2D	2850	-	-	-	ADV553	12	245	23	360	33	560	2300	
11 - TC-S	900	BQX	15	95	ADV343	19	125	49	240	70	375	725	
13 - TC-D	900	BQX	14	90	ADV343	16	105	44	210	63	330	725	
18 - TC-D	1200	BQX	10	85	ADV343	12	105	25	170	37	260	970	
24 - TC-L	1800	-	-	-	ADV343	11	145	28	275	40	425	1450	
36 - TC-L	2900	BQX	7	145	ADV343	8	145	24	390	35	600	2300	

- Notes: 1. ADV series modules suitable for use with switch start circuits only
2. Other lamp type/wattage data on request

DESIGN PROCEDURE FOR CONVERTED MAINS LIGHTING LUMINAIRES

When normal mains luminaires are converted and utilised for emergency use, the procedure below should be followed:

1. The table of emergency lighting design lumens (above), should be consulted to determine the minimum emergency lamp output for the particular lamp/circuit required, for use with either spacing tables or a computer design program.
2. The appropriate spacing table should then be selected and used, checking the following points:
 - That the shape of the polar curve corresponds with the luminaire to be used
 - That the value of the output is similar (LOR and at the nadir. Variations can be compensated for, by determining a ratio for the lamp output value obtained in 1)
3. The spacing limits for escape routes or open areas can then be read off for specific height and lamp outputs.

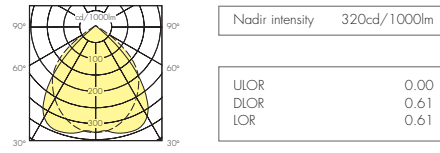
Note: If different values of minimum light level are needed, they can also be obtained by determining a ratio for the lamp output value i.e. To ensure a minimum of 10 lux on the centre line of an escape route, a value 10 times greater must be applied to the chart value. So 2000 lumen lamp output gives the same spacing to 10 lux as 200 lumens does for 1 lux.

USE OF SPACING TABLES WITH COMPUTER PROGRAMS

Computer programs can provide accurate values for specific applications, using data for the exact luminaire, at the precise mounting height and with the actual emergency lamp output, for any luminaire configuration.

To quickly develop an initial spacing layout, the spacing values from the nearest table should be used. This can then be applied to the software and modified as required, to obtain the optimum luminaire layout. Illuminance levels can then be calculated, verifying the system design as required by BS5266-1:1999 & EN1838.

CONVERSIONS WITH LOW BRIGHTNESS LOUVRE



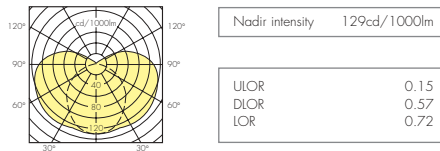
1 LUX MINIMUM ON CENTRE LINE
ESCAPE ROUTES - ALL RISKS

0.5 LUX MINIMUM IN CORE AREA
OPEN AREAS

0.2 LUX MINIMUM ON CENTRE LINE
UNOBSTRUCTED ROUTES ONLY

mtg Ht (M)	ELDL	Lux level directly under	1 LUX MINIMUM ON CENTRE LINE ESCAPE ROUTES - ALL RISKS				0.5 LUX MINIMUM IN CORE AREA OPEN AREAS				0.2 LUX MINIMUM ON CENTRE LINE UNOBSTRUCTED ROUTES ONLY			
			3	4	5	6	3	4	5	6	3	4	5	6
2.5	100	4.0	2.5	5.5	5.2	2.4	1.9	5.9	6.4	1.8	3.1	6.5	7.6	3.7
	200	8.1	2.7	5.9	7.0	2.9	2.0	6.1	6.6	2.4	3.6	7.0	7.7	3.8
	600	24.4	3.3	6.6	7.6	3.7	2.2	6.6	7.2	2.6	3.8	7.2	7.8	3.8
	2000	81.1	3.6	7.0	7.7	3.8	*	*	*	*	*	*	*	*
	4000	163.2	*	*	*	*	*	*	*	*	*	*	*	*
4	100	1.6	2.9	7.2	6.4	1.9	2.5	8.6	8.8	2.2	4.5	9.8	10.4	4.6
	200	3.2	3.6	8.6	8.8	3.2	3.0	9.1	9.9	3.0	4.9	10.2	10.6	5.1
	600	9.6	4.6	9.8	11.0	4.7	3.4	10.4	11.0	3.8	5.3	11.4	12.1	5.6
	2000	32.0	5.1	10.9	11.7	5.6	3.5	11.0	11.6	3.9	5.7	11.6	12.4	5.9
	4000	64.0	5.3	11.6	12.2	5.7	*	*	*	*	*	*	*	*
General Purpose 2.5	100	4.4	2.5	5.4	5.9	2.5	1.8	6.2	6.8	2.0	3.3	7.6	8.0	3.6
	200	8.8	2.7	6.4	7.0	2.9	2.2	6.5	7.6	2.4	3.8	7.8	8.6	4.0
	600	26.4	3.4	7.6	8.2	3.7	2.5	7.2	8.6	2.6	3.9	8.3	9.2	4.2
	2000	88.0	3.8	7.8	8.6	4.0	*	*	*	*	*	*	*	*
	4000	176	*	*	*	*	*	*	*	*	*	*	*	*
4	100	1.7	2.2	6.8	6.80	2.0	2.3	8.6	8.9	2.3	4.4	9.8	11.6	4.8
	200	3.4	3.4	8.6	9.2	3.4	3.0	9.5	10.5	3.2	4.9	10.8	12.4	5.8
	600	10.2	4.5	10.1	11.8	5.0	3.5	11.2	12.6	4.1	5.7	12.6	13.9	6.4
	2000	34.0	5.4	12.0	13.2	6.1	3.7	12.0	13.4	4.2	6.1	12.9	14.8	6.7
	4000	64.0	5.7	12.6	14.0	6.4	*	*	*	*	*	*	*	*

CONVERSIONS WITH INDUSTRIAL WEATHERPROOF



1 LUX MINIMUM ON CENTRE LINE
ESCAPE ROUTES - ALL RISKS

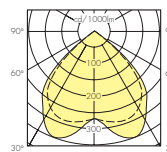
0.5 LUX MINIMUM IN CORE AREA
OPEN AREAS

0.2 LUX MINIMUM ON CENTRE LINE
UNOBSTRUCTED ROUTES ONLY

mtg Ht (M)	ELDL	Lux level directly under	1 LUX MINIMUM ON CENTRE LINE ESCAPE ROUTES - ALL RISKS				0.5 LUX MINIMUM IN CORE AREA OPEN AREAS				0.2 LUX MINIMUM ON CENTRE LINE UNOBSTRUCTED ROUTES ONLY			
			3	4	5	6	3	4	5	6	3	4	5	6
2.5	100	1.9	1.6	5.8	4.6	1.5	2.0	8.0	6.5	1.6	4.5	11.6	8.7	3.4
	200	3.8	2.9	8.2	6.4	2.3	2.8	10.7	8.0	2.2	5.8	15.0	10.6	4.6
	600	11.4	4.9	12.5	9.4	3.6	4.3	16.0	11.0	3.2	8.6	22.0	14.8	6.0
	2000	28.0	7.5	19.0	13.0	5.2	5.2	19.0	13.0	3.6	9.8	25.1	16.0	6.7
	4000	47.0	8.6	22.0	14.8	6.0	*	*	*	*	*	*	*	*
4	100	0.7	-	-	-	-	2.2	8.0	6.6	1.1	4.6	13.0	10.0	3.8
	200	1.5	2.2	8.0	7.0	1.7	2.8	11.6	9.4	2.4	6.5	17.0	12.6	5.0
	600	4.5	5.1	13.9	10.6	4.1	4.8	18.0	13.5	3.7	9.8	25.4	17.8	7.3
	2000	15.2	8.5	22.0	15.8	6.2	7.7	28.0	19.5	5.5	15.0	38.0	25.0	10.3
	4000	30.4	11.0	27.0	19.6	7.9	*	*	*	*	*	*	*	*
6	100	0.3	-	-	-	-	-	-	-	-	3.8	13.0	10.4	3.0
	200	0.6	-	-	-	-	1.7	11.2	9.1	1.6	6.5	17.8	14.4	5.2
	600	2.0	4.5	14.2	11.1	3.8	4.9	19.6	15.2	3.8	10.8	28.0	21.0	8.2
	2000	6.8	8.9	24.2	18.4	7.2	8.4	32.0	23.5	6.3	17.0	44.0	30.0	12.4
	4000	13.6	12.1	31.6	23.7	9.2	10.8	40.0	28.0	8.0	22.0	54.0	36.0	15.0
10	100	0.1	-	-	-	-	-	-	-	-	-	-	-	-
	200	0.2	-	-	-	-	-	-	-	-	-	-	-	-
	600	0.7	-	-	-	-	3.5	19.6	16.0	2.8	11.3	31.5	25.0	9.0
	2000	2.4	8.6	20.6	20.6	7.1	9.1	36.0	28.0	7.0	19.5	52.0	38.0	15.0
	4000	4.8	13.0	27.6	27.6	10.3	12.2	48.0	36.0	9.6	26.0	63.0	46.0	19.0

EMERGENCY LIGHTING SPACING TABLES

CONVERSIONS WITH COMPACT LAMP DOWNLIGHTER



Nadir intensity 272cd/1000lm

ULOR	0.00
DLOR	0.60
LOR	0.60

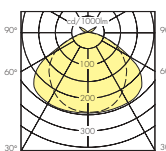
1 LUX MINIMUM ON CENTRE LINE
ESCAPE ROUTES - ALL RISKS

0.5 LUX MINIMUM IN CORE AREA
OPEN AREAS

0.2 LUX MINIMUM ON CENTRE LINE
UNOBSTRUCTED ROUTES ONLY

mtg Ht (M)	ELDL	Lux level directly under	1 LUX MINIMUM ON CENTRE LINE ESCAPE ROUTES - ALL RISKS				0.5 LUX MINIMUM IN CORE AREA OPEN AREAS				0.2 LUX MINIMUM ON CENTRE LINE UNOBSTRUCTED ROUTES ONLY			
			⎓	⎓	⎓	⎓	⎓	⎓	⎓	⎓	⎓	⎓	⎓	⎓
2.5	100	3.3	2.4	5.8	5.8	2.4	2.0	6.7	6.7	2.0	3.5	7.2	7.2	3.5
	200	6.7	2.9	6.6	6.6	2.9	2.3	6.9	6.9	2.3	3.6	7.8	7.8	3.6
	600	21.1	3.5	7.6	7.6	3.5	2.6	7.7	7.7	2.6	3.9	8.7	8.7	3.9
	2000	67.0	4.1	8.2	8.2	4.1	*	*	*	*	*	*	*	*
	4000	134.0	*	*	*	*	*	*	*	*	*	*	*	*
4	100	1.3	2.1	6.0	6.0	2.1	2.1	8.7	8.7	2.1	4.6	10.4	10.4	4.6
	200	2.6	3.0	8.8	8.8	3.1	3.0	9.8	9.8	3.0	5.2	11.0	11.0	5.2
	600	7.8	4.7	10.5	10.5	4.7	3.6	11.1	11.1	3.6	5.7	12.6	12.6	5.7
	2000	26.0	5.5	11.8	11.8	5.5	3.8	12.0	12.0	3.8	6.2	13.0	13.0	6.2
	4000	52.0	5.7	12.6	12.6	5.7	*	*	*	*	*	*	*	*
6	100	0.6	-	-	-	-	1.1	8.2	8.2	1.1	4.8	13.6	13.6	4.8
	200	1.2	1.7	8.4	8.4	1.7	2.9	12.1	12.1	2.9	6.8	15.0	15.0	6.8
	600	3.6	5.5	14.0	14.0	5.5	4.9	15.6	15.6	4.9	8.0	17.6	17.6	8.0
	2000	12.0	7.5	17.0	17.0	7.5	5.9	17.7	17.7	5.9	9.0	18.9	18.9	9.0
	4000	21.0	8.5	17.8	17.8	8.5	6.1	18.5	18.5	6.1	*	*	*	*
10	100	0.2	-	-	-	-	-	-	-	-	1.6	13.0	13.0	1.6
	200	0.4	-	-	-	-	-	-	-	-	6.5	19.6	19.6	6.52.2
	600	1.2	3.9	15.0	15.0	3.9	5.2	21.6	21.6	5.2	11.5	25.6	25.6	11.5
	2000	4.2	9.8	24.4	24.4	9.8	8.4	25.3	25.3	8.4	13.5	30.4	30.4	13.5
	4000	8.4	12.2	27.5	27.5	12.2	9.4	26.3	26.3	9.4	15.2	33.0	33.0	15.2

CONVERSIONS WITH TROUGH REFLECTOR



Nadir intensity 241cd/1000lm

ULOR	0.04
DLOR	0.83
LOR	0.87

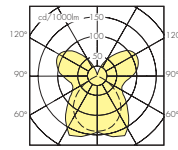
1 LUX MINIMUM ON CENTRE LINE
ESCAPE ROUTES - ALL RISKS

0.5 LUX MINIMUM IN CORE AREA
OPEN AREAS

0.2 LUX MINIMUM ON CENTRE LINE
UNOBSTRUCTED ROUTES ONLY

mtg Ht (M)	ELDL	Lux level directly under	1 LUX MINIMUM ON CENTRE LINE ESCAPE ROUTES - ALL RISKS				0.5 LUX MINIMUM IN CORE AREA OPEN AREAS				0.2 LUX MINIMUM ON CENTRE LINE UNOBSTRUCTED ROUTES ONLY			
			⎓	⎓	⎓	⎓	⎓	⎓	⎓	⎓	⎓	⎓	⎓	⎓
2.5	100	2.5	2.3	6.8	5.4	1.9	2.3	9.0	7.0	1.8	4.8	11.8	9.6	3.9
	200	5.2	3.4	9.0	7.6	2.7	3.1	10.9	8.8	2.6	5.9	13.8	11.4	4.8
	600	15.6	5.1	12.1	10.0	4.0	4.2	14.0	12.6	3.5	7.1	16.2	16.0	6.5
	2000	52.0	6.2	15.0	14.0	5.7	4.4	14.6	13.1	3.6	7.3	17.1	16.4	6.7
	4000	104.0	*	*	*	*	*	*	*	*	*	*	*	*
4	100	1.0	0.1	6.4	5.2	0.1	2.2	9.7	7.9	1.8	5.4	14.0	9.0	3.0
	200	2.0	3.2	10.2	8.4	2.6	3.5	13.0	10.3	2.9	7.0	17.4	14.2	5.8
	600	6.0	5.9	15.2	12.1	4.7	5.3	18.2	15.0	4.2	9.5	22.0	19.6	8.0
	2000	20.0	8.7	19.8	17.8	7.1	6.9	23.2	21.0	6.2	10.6	24.0	22.0	9.2
	4000	40.0	9.9	23.2	21.0	8.9	*	*	*	*	*	*	*	*
6	100	0.4	-	-	-	-	-	-	-	-	4.9	14.8	12.6	4.2
	200	0.9	-	-	-	-	2.8	13.2	11.0	2.5	7.4	20.2	16.2	6.3
	600	2.7	5.6	16.5	13.0	4.8	5.7	21.6	17.2	4.5	11.7	26.8	23.4	9.5
	2000	9.2	10.1	25.6	20.4	8.1	8.7	30.0	25.2	7.0	15.5	35.0	32.0	13.5
	4000	18.4	12.8	27.6	25.0	10.2	9.4	34.0	30.0	8.7	*	*	*	*
10	100	0.1	-	-	-	-	-	-	-	-	-	-	-	-
	200	0.2	-	-	-	-	-	-	-	-	6.6	21.6	17.6	5.12
	600	0.9	-	-	-	-	5.5	23.6	19.0	4.2	13.0	34.4	28.0	10.7
	2000	3.2	10.7	30.0	24.0	8.8	10.5	38.0	30.8	8.4	20.6	48.0	40.0	16.2
	4000	6.4	15.0	39.0	30.5	12.0	13.6	46.0	36.0	9.8	24.0	52.8	50.0	20.0

CONVERSIONS WITH PRISMATIC DIFFUSER



Nadir intensity 143cd/1000lm
 U/LOR 0.32
 D/LOR 0.49
 LOR 0.81

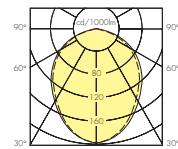
1 LUX MINIMUM ON CENTRE LINE
 ESCAPE ROUTES - ALL RISKS

0.5 LUX MINIMUM IN CORE AREA
 OPEN AREAS

0.2 LUX MINIMUM ON CENTRE LINE
 UNOBSTRUCTED ROUTES ONLY

mtg Ht (M)	ELDL	Lux level directly under	1 LUX MINIMUM ON CENTRE LINE ESCAPE ROUTES - ALL RISKS				0.5 LUX MINIMUM IN CORE AREA OPEN AREAS				0.2 LUX MINIMUM ON CENTRE LINE UNOBSTRUCTED ROUTES ONLY			
			Diagram 1	Diagram 2	Diagram 3	Diagram 4	Diagram 5	Diagram 6	Diagram 7	Diagram 8	Diagram 9	Diagram 10	Diagram 11	Diagram 12
2.5	100	1.8	1.5	5.2	4.2	1.3	1.8	7.0	5.5	1.4	4.0	11.0	7.2	3.0
	200	3.7	2.6	7.4	5.8	2.1	2.5	10.1	6.9	2.0	5.5	14.4	8.6	3.7
	600	11.1	4.5	11.6	7.6	3.2	4.0	15.3	8.8	2.6	8.3	21.0	11.6	4.8
	2000	37.0	7.0	18.4	10.2	4.3	4.9	18.5	10.3	3.0	9.7	24.5	12.8	5.4
	4000	74.0	8.0	21.6	11.3	4.7	*	*	*	*	*	*	*	*
4	100	0.7	-	-	-	-	1.5	7.0	6.1	1.1	4.2	11.6	9.0	3.5
	200	2.6	2.2	7.2	5.4	1.6	2.5	10.4	8.3	1.9	5.8	15.8	10.8	4.5
	600	4.3	4.6	12.7	9.5	3.7	4.4	17.0	11.3	3.3	9.4	24.0	14.2	6.0
	2000	15.0	7.9	21.0	13.0	5.6	7.3	26.0	15.7	4.5	14.7	33.0	19.6	8.2
	4000	30.0	10.3	26.4	15.6	6.5	*	*	*	*	*	*	*	*
6	100	0.32	-	-	-	-	-	-	-	-	3.5	11.4	9.6	3.0
	200	0.64	-	-	-	-	1.8	10.0	8.8	1.4	5.8	16.3	13.0	4.9
	600	2.0	4.2	13.0	10.8	3.6	4.5	17.6	13.3	3.7	10.1	26.2	17.3	7.3
	2000	6.4	8.2	22.2	15.7	6.2	7.7	31.0	19.0	5.4	16.0	42.0	24.0	10.0
	4000	13.0	11.2	30.0	19.0	7.8	10.5	40.0	23.0	6.6	21.0	52.0	29.0	12.0
10	100	0.11	-	-	-	-	-	-	-	-	-	-	-	-
	200	0.23	-	-	-	-	-	-	-	-	3.6	16.0	13.6	2.72.2
	600	0.66	-	-	-	-	3.5	18.2	15.9	2.8	10.2	28.0	21.7	8.4
	2000	2.2	8.0	23.6	19.0	6.8	8.2	28.0	24.0	6.6	18.0	48.0	30.4	12.6
	4000	4.4	11.8	32.3	24.2	9.5	11.3	44.0	28.0	8.4	24.0	56.0	38.0	15.2

CONVERSIONS WITH RECESSED MODULAR FITTED WITH FLAT PRISMATIC DIFFUSER



Nadir intensity 190cd/1000lm
 U/LOR 0.00
 D/LOR 0.47
 LOR 0.47

1 LUX MINIMUM ON CENTRE LINE
 ESCAPE ROUTES - ALL RISKS

0.5 LUX MINIMUM IN CORE AREA
 OPEN AREAS

0.2 LUX MINIMUM ON CENTRE LINE
 UNOBSTRUCTED ROUTES ONLY

mtg Ht (M)	ELDL	Lux level directly under	1 LUX MINIMUM ON CENTRE LINE ESCAPE ROUTES - ALL RISKS				0.5 LUX MINIMUM IN CORE AREA OPEN AREAS				0.2 LUX MINIMUM ON CENTRE LINE UNOBSTRUCTED ROUTES ONLY			
			Diagram 1	Diagram 2	Diagram 3	Diagram 4	Diagram 5	Diagram 6	Diagram 7	Diagram 8	Diagram 9	Diagram 10	Diagram 11	Diagram 12
2.5	100	1.8	1.4	4.6	4.6	1.4	1.6	5.6	5.6	1.6	3.4	8.6	8.6	3.4
	200	3.6	2.3	6.2	6.2	2.3	2.2	7.0	7.0	2.2	4.3	10.6	10.6	4.3
	600	10.8	3.6	9.2	9.2	3.6	3.2	9.5	9.5	3.2	6.1	14.8	14.8	6.1
	2000	18	4.3	10.6	10.6	4.3	3.7	11.5	11.5	3.7	*	*	*	*
	4000	36	5.3	13.2	13.2	5.3	*	*	*	*	*	*	*	*
4	100	0.7	-	3.2	3.2	-	1.1	6.3	6.3	1.1	3.6	9.8	9.8	3.6
	200	1.4	1.6	6.4	6.4	1.6	2.2	8.4	8.4	2.2	5.0	12.8	12.8	5.0
	600	4.2	4.0	10.6	10.6	4.0	3.7	11.8	11.8	3.7	7.3	18.0	18.0	7.3
	2000	7	5.0	12.8	12.8	5.0	4.5	14.0	14.0	4.5	8.4	20.8	20.8	8.4
	4000	14	6.4	16.0	16.0	6.4	5.6	17.1	17.1	5.6	*	*	*	*
6	100	0.3	-	-	-	-	-	6.0	6.0	-	2.8	10.0	10.0	2.8
	200	0.6	-	4.0	4.0	-	1.4	9.0	9.0	1.4	5.0	14.0	14.0	5.0
	600	1.8	3.5	11.2	11.2	3.5	3.9	13.9	13.9	3.9	8.2	20.8	20.8	8.2
	2000	3	5.1	14.0	14.0	5.1	4.9	16.2	16.2	4.9	10.0	24.4	24.4	10.0
	4000	6	7.1	18.4	18.4	7.1	6.4	20.3	20.3	6.4	12.2	30.4	30.4	12.2
10	100	0.11	-	-	-	-	-	-	-	-	-	-	-	-
	200	0.22	-	-	-	-	-	-	-	-	2.0	13.2	13.2	2.02.2
	600	0.66	-	-	-	-	2.7	15.4	15.4	2.7	8.8	24.0	24.0	8.8
	2000	1.1	2.3	13.6	13.6	2.3	4.8	19.0	19.0	4.8	11.2	29.2	29.2	11.2
	4000	2.2	6.8	20.4	20.4	6.8	7.1	24.1	24.1	7.1	14.6	37.2	37.2	14.6