

Y3E Lens

Even-Effective-Economy Saving

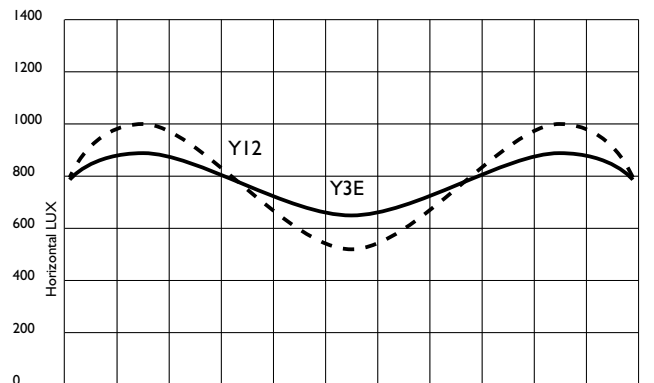
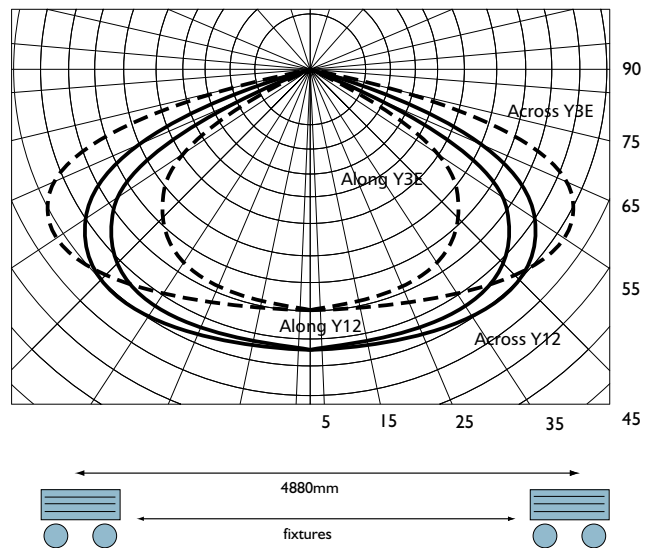
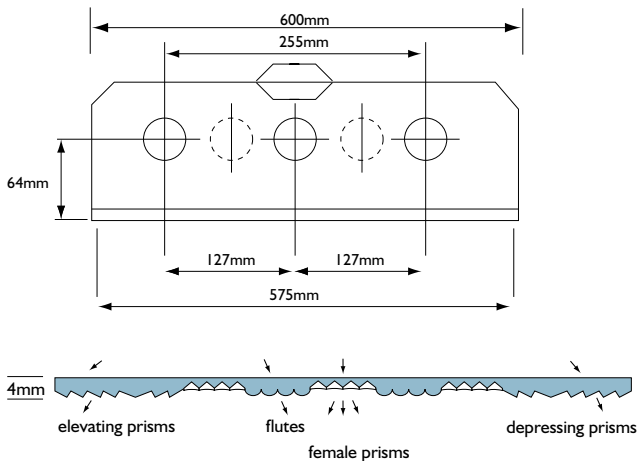


Y3E is a highly specialised panel comprising a four prism configuration arranged to create a unique control panel so versatile that it can be utilized equally well with one, two, or three lamps. This extraordinary range of usage allows luminaires to be “down-lamped” without loss of spacing and maintaining minimum lamp imaging. Not only do Y3E panels enable lamp reduction installations to be carried out, but also the multi-lamp capability of Y3E is ideal where luminaires of differing lamp configurations are installed in the same or adjoining areas.

Typical Y3E Usage

- Retail areas
- Refurbishment projects
- Energy conservation schemes

Dimensions



	Y12	Y3E
High LUX	1000	860
Low LUX	510	670
Ratio	2.0	1.3

Spacing to Mounting Height Ratio = 2.13

Y3E Lens with 3x600 lamps Distribution Data

	0	30	60	90
85	8	7	6	4
75	31	29	27	20
65	61	58	63	51
55	112	117	127	73
45	208	229	198	112
35	333	308	232	174
25	292	267	223	203
15	260	253	241	236
5	248	237	236	234

Y3E Lens with 2x600 lamps Distribution Data

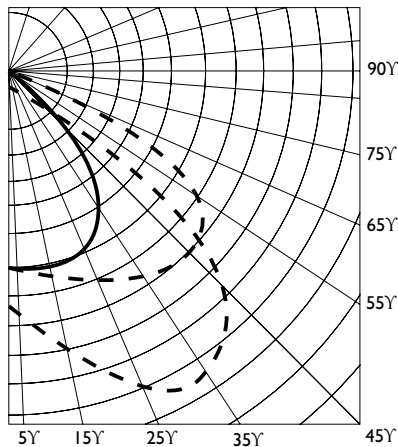
	0	30	60	90
85	8	8	6	4
75	33	32	29	22
65	66	62	66	56
55	108	116	139	81
45	222	254	215	132
35	358	331	252	196
25	317	291	245	228
15	285	279	270	266
5	262	259	262	261

Utilisation Factor

UF(F) @ 1.75:1		Room Index		LOR=0.69								
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
70	50	20	0.42	0.50	0.55	0.59	0.64	0.68	0.70	0.73	0.75	
		30	0.36	0.44	0.50	0.54	0.60	0.64	0.67	0.70	0.73	
		10	0.32	0.40	0.46	0.50	0.56	0.67	0.64	0.68	0.71	
50	50	20	0.40	0.48	0.53	0.57	0.62	0.65	0.67	0.70	0.72	
		30	0.35	0.43	0.49	0.53	0.58	0.62	0.65	0.68	0.70	
		10	0.32	0.40	0.45	0.49	0.55	0.59	0.62	0.66	0.68	
30	50	20	0.39	0.47	0.52	0.55	0.60	0.63	0.65	0.68	0.69	
		30	0.35	0.43	0.48	0.52	0.57	0.60	0.63	0.66	0.68	
		10	0.32	0.39	0.45	0.49	0.54	0.58	0.61	0.64	0.66	
0	0	0	0.30	0.38	0.43	0.47	0.52	0.55	0.58	0.61	0.63	

Utilisation Factor

UF(F) @ 1.75:1		Room Index		LOR=0.74								
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
70	50	20	0.45	0.54	0.60	0.64	0.70	0.73	0.76	0.79	0.81	
		30	0.39	0.48	0.54	0.59	0.65	0.69	0.72	0.76	0.79	
		10	0.35	0.44	0.50	0.55	0.61	0.66	0.69	0.74	0.77	
50	50	20	0.44	0.52	0.58	0.62	0.67	0.71	0.73	0.76	0.78	
		30	0.39	0.47	0.53	0.58	0.63	0.67	0.70	0.74	0.76	
		10	0.35	0.43	0.49	0.54	0.60	0.64	0.68	0.72	0.72	
30	50	20	0.43	0.51	0.56	0.60	0.65	0.68	0.71	0.73	0.75	
		30	0.38	0.47	0.52	0.56	0.62	0.65	0.68	0.71	0.74	
		10	0.35	0.47	0.52	0.56	0.62	0.65	0.68	0.71	0.74	
0	0	0	0.33	0.41	0.47	0.51	0.56	0.60	0.63	0.66	0.63	



Product Data

Prism Size	Varies
Prism Configuration	Female, flutes, elevating and depressing prism
Prism depth	2mm
Thickness	4mm
Max Width	650mm
Max Length	1500mm
Resistance to U.V.	Excellent

Used under normal interior conditions 100% acrylic will perform satisfactorily for 20 years.

Lamp Positioning Notes

1 Lamp	central, 64mm above lens
2 Lamp	255mm about centre, 64mm above lens
3 Lamp	127mm about centre, 64mm above lens