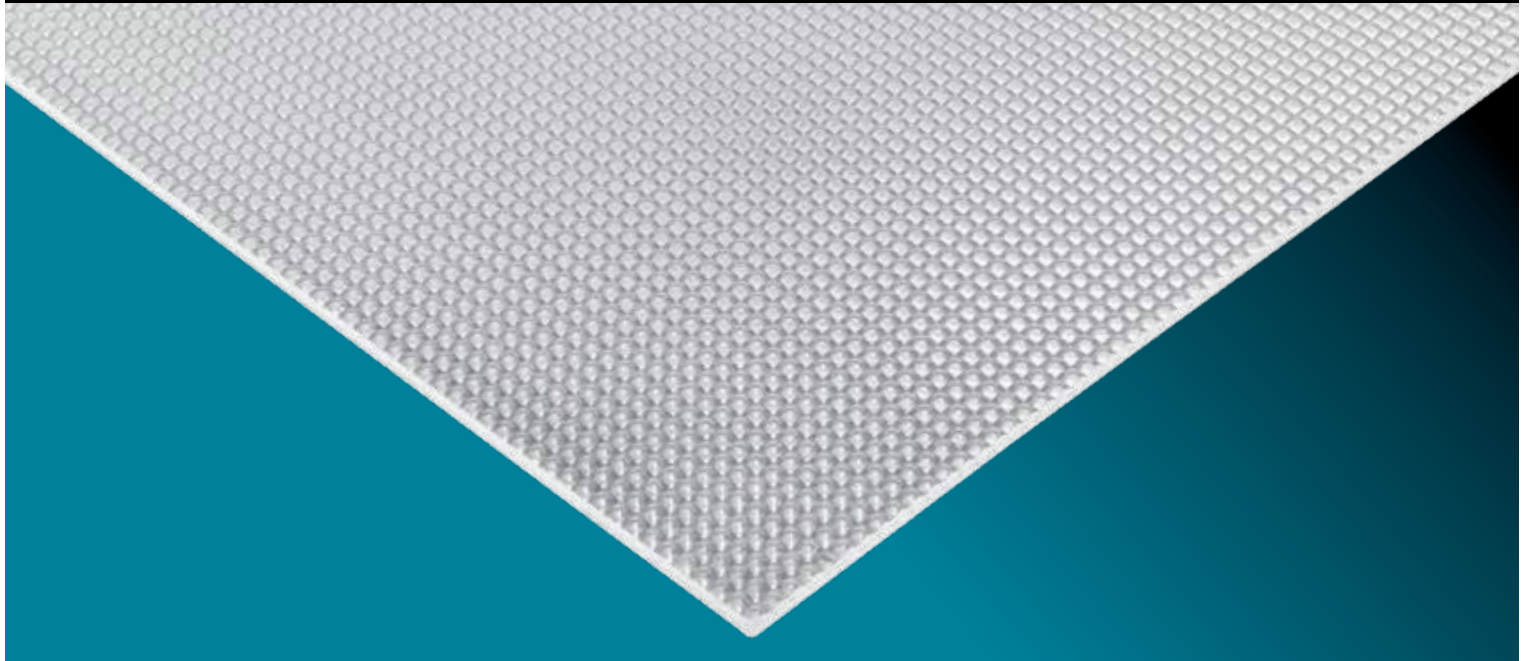


Y20 Miniprism Clear



Excellent diffusing panel for light control of T5 lamps and T8 fluorescent lamps.

Applications

- General offices
- Computer rooms
- Schools and colleges
- Hospitals
- Supermarkets

Description

Y20 Acrylic lenses have a raised prismatic pattern of 3.1mm square base male cones running parallel and perpendicular to the length and width of the lens. The overall pattern provides a soft surface appearance, good lamp obscurity and very low brightness at angles close to the horizontal. Y20 clear is a low brightness, sparkling crystal lens that provides maximum efficiency and excellent control in the direct glare zone.

Quality

Acrylic material used in Y20 meets or exceeds recognised standards. Under normal interior conditions these lenses will perform satisfactorily for 20 years. Y20 is manufactured from 100% Acrylic (Polymethylmethacrylate). Flammability Rating-UL94 HB.

Performance

(Based on 1x28w T5 photometric tests on reverse)

- Light output ratio of 91%
- Typical unified glare rating of 17

Dimensions

Thickness

Y20 is 3.4mm thick with prestressed arch to span 1200mm x 600mm



Standard Sizes (nominal)

- 1500mm x 600mm
- 1200mm x 600mm
- 1200mm x 300mm
- 600mm x 600mm

Photopia performance evaluation



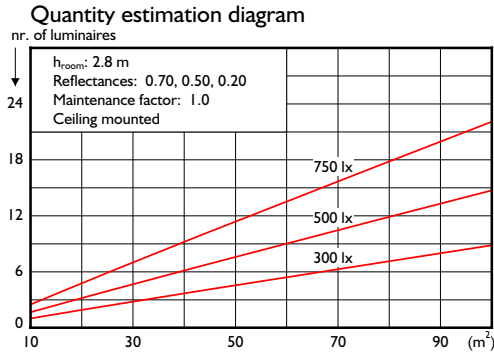
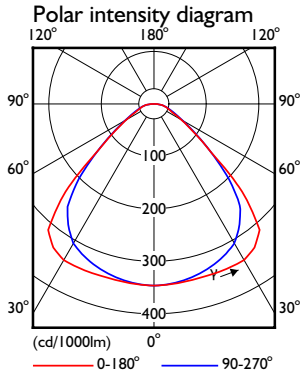
File no.: YORKY20

Y20 Miniprism Clear

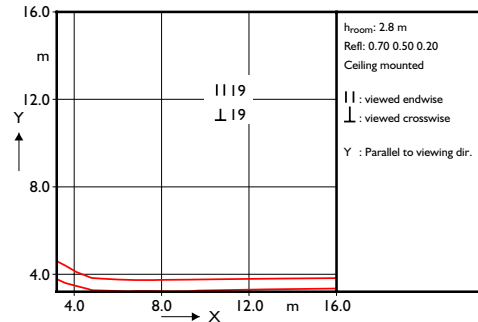


Photometric Data

FSN228 2 x T5 28W / 840 Y20 2 x 2600 lm



UGR diagram



Light output ratio 0.83
 Service upward 0.00
 Service downward 0.83

CIE flux code 61 89 98 100 83

SHR NOM (square) 1.50
 SHR MAX (square) 1.52
 SHR MAX (continuous) 1.80
 UGRcen (4Hx8H, 0.25H) 18

Utilisation factor table

Reflectances	Room Index											
	C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70 0.50 0.20	58	64	70	73	78	81	83	86	88	83	86	88
0.70 0.30 0.20	53	59	65	69	74	78	80	84	86	80	84	86
0.70 0.10 0.20	49	55	61	65	71	75	77	81	84	77	81	84
0.50 0.50 0.20	57	63	68	71	76	79	81	83	85	81	83	85
0.50 0.30 0.20	52	58	64	67	72	76	78	81	83	78	81	83
0.50 0.10 0.20	49	55	60	64	69	73	75	79	81	75	79	81
0.30 0.50 0.20	56	61	66	69	73	76	78	80	82	78	80	82
0.30 0.30 0.20	51	58	63	66	71	74	76	78	80	76	78	80
0.30 0.10 0.20	48	54	60	63	68	71	74	77	79	74	77	79
0.00 0.00 0.00	47	53	58	61	65	68	70	73	75	70	73	75

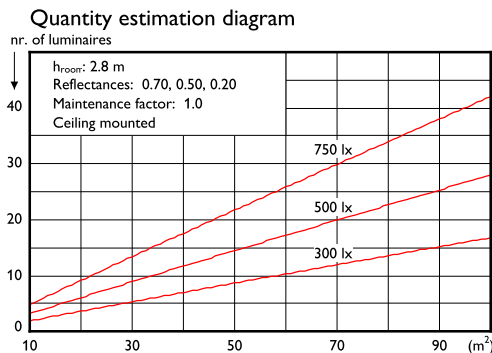
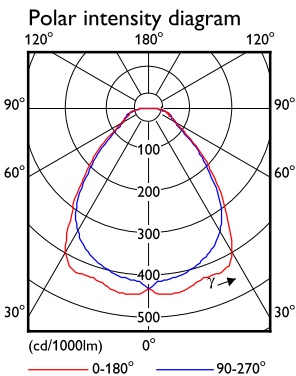
Ceiling mounted

Luminance Table

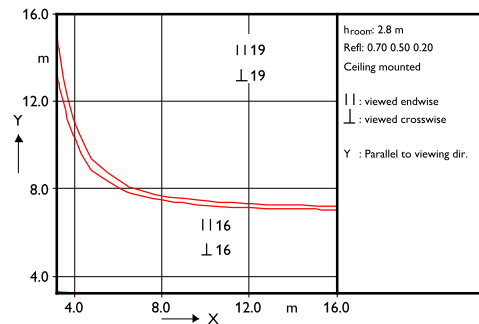
Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	5474	5373	5579	5649	5172	4658	4601
50.0	3441	3933	3939	4254	3715	3493	3469
55.0	2507	3087	2557	3147	2852	2687	2596
60.0	1938	2238	1892	2442	2375	2224	2023
65.0	1510	1730	1742	1925	2111	1939	1692
70.0	1437	1815	1556	1636	1949	1735	1556
75.0	1449	1750	1416	1580	1846	1671	1536
80.0	1777	1980	1511	1598	1763	1733	1759
85.0	1630	2029	1518	1370	1363	1293	1335
90.0	-	-	-	-	-	-	-

(cd/m²)

FSN128 1 x T5 28W / 840 Y20 with internal reflector



UGR diagram



Light output ratio 0.91
 Service upward 0.00
 Service downward 0.91

CIE flux code 62 86 96 100 91

SHR NOM (square) 1.25
 SHR MAX (square) 1.30
 SHR MAX (continuous) 1.54
 UGRcen (4Hx8H, 0.25H) 17

Utilisation factor table

Reflectances	Room Index											
	C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70 0.50 0.20	60	68	74	78	84	87	90	93	95	86	90	93
0.70 0.30 0.20	54	62	68	73	79	83	86	90	93	83	87	90
0.70 0.10 0.20	50	58	64	68	75	79	83	87	90	80	85	87
0.50 0.50 0.20	59	67	72	76	81	84	87	90	92	87	90	92
0.50 0.30 0.20	53	61	67	71	77	81	83	87	89	83	87	89
0.50 0.10 0.20	49	57	63	67	73	77	80	85	87	80	85	87
0.30 0.50 0.20	58	65	70	74	78	81	84	86	88	84	86	88
0.30 0.30 0.20	53	60	66	70	75	78	81	84	86	81	84	86
0.30 0.10 0.20	49	57	62	66	72	76	78	82	85	78	82	85
0.00 0.00 0.00	47	55	60	64	69	72	75	78	80	75	78	80

Ceiling mounted

Luminance Table

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	2356	2292	2234	2114	2236	2239	2179
50.0	1937	1866	1765	1573	1713	1799	1821
55.0	1515	1618	1432	1221	1325	1510	1390
60.0	1166	1472	1133	1006	1041	1398	1205
65.0	1229	1334	924	1007	990	1465	1192
70.0	1194	1229	998	1043	1001	1426	1313
75.0	1509	1311	1229	1136	1075	1394	1453
80.0	1615	1524	1330	1096	1459	1599	1602
85.0	1571	1941	1631	1231	1828	2065	1668
90.0	-	-	-	-	-	-	-

(cd/m²)