

rapier

Surface fluorescent: Surface T8 fluorescent diffuser luminaire

APPLICATION

- Schools
- Corridors
- Universities and Colleges

SPECIFICATION

Body

- Lamp options: single or twin lamp 58W T8
- IP40 construction when fully assembled
- BESA fixings to rear
- Not suitable for chain suspension
- Fully integral emergency options
- High frequency control gear as standard
- F mark compliance
- Supplied less lamps
- Extruded aluminium construction
- Body has threaded key ways for fixing control gear
- Specular aluminium gear cover/reflector for maximum efficiency
- Acrylic or Polycarbonate diffuser (order separately)

Diffuser

- 141mm width for both single and twin lamp options
- Retained along entire length by extruded body profile
- Excellent dust and bug exclusion
- Removable plastic end caps

Options

-  Easytest – integral self test version available see page 181

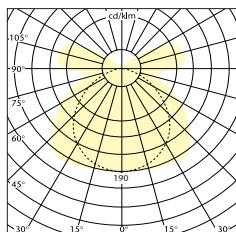


PHOTOMETRY

Rapier ACRYLIC DIFFUSER 1 x 58W T8 Lamp



- LOR = 86%
- SHR MAX = 1.83



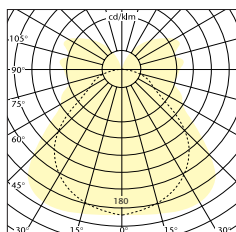
UTILISATION FACTORS UF(F)

Room Reflectance			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	N/A	0.53	0.59	0.63	0.68	0.72	0.75	0.78	0.81
0.50	0.30	0.20	N/A	0.44	0.49	0.53	0.58	0.62	0.64	0.68	0.71
0.00	0.00	0.00	N/A	0.33	0.37	0.40	0.44	0.47	0.48	0.51	0.54

Rapier ACRYLIC DIFFUSER 2 x 58W T8 Lamps



- LOR = 78.1%
- SHR MAX = 1.83



UTILISATION FACTORS UF(F)

Room Reflectance			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	N/A	0.49	0.54	0.57	0.62	0.66	0.68	0.71	0.74
0.50	0.30	0.20	N/A	0.41	0.45	0.48	0.53	0.56	0.58	0.62	0.65
0.00	0.00	0.00	N/A	0.31	0.34	0.37	0.40	0.42	0.44	0.46	0.49

LAMP PERFORMANCE MATRIX

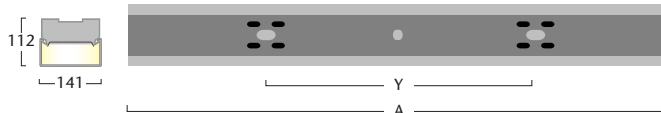
WATTAGE	IL@25°C	LAMP LIFE
1 x 58W T8	5200	15,000

CONVERSION FACTORS

ACRYLIC TO POLYCARBONATE

WATTAGE	FACTOR
1 x 58W T8	0.57
2 x 58W T8	0.60

DIMENSIONS AND WEIGHT



LAMP WAYS	LONGITUDINAL DIMENSIONS A	FIXING CENTRE Y	WEIGHT KG
1 x 58W	1531	610	4.8
2 x 58W	1531		4.8

ORDER CODES – RAPIER

SURFACE FLUORESCENT DIFFUSER LUMINAIRE

SUPPLIED LESS LAMPS	HIGH FREQUENCY BODY	POLYCARBONATE DIFFUSER	ACRYLIC DIFFUSER
1 x 58W T8	RAH158BD	AP5	AC5
2 x 58W T8	RAH258BD	AP5	AC5

ANALOGUE DIMMING Substitute **R** for **H** in body code

R High frequency analogue dimming gear, i.e. **RAR158BD**

EMERGENCY Add suffix to body codes above

EMIN Integral 3 hour emergency, i.e. **RAH158EMINBD**

EASYTEST OPTION Add suffix to body codes above

/ET Integral self autotest, i.e. **RAH158BD/ET**

Note: Complete luminaire consists of body and separate diffuser

To specify state:

Surface mounted IP40, aluminium extruded body fluorescent luminaire with acrylic/polycarbonate refractor reeded sides and prismatic base, retained along full length by extruded body profile. Threaded key ways fix control gear – as Whitecroft Lighting RAPIER

QuickLink

RAC

Go