

Stiletto & Rapier

MOTIVATION

A surface mounted luminaire specifically designed to meet the DHSS requirements for hospital ward lighting.

APPLICATION

- Hospital wards
- Schools
- Corridors
- Universities and Colleges

SPECIFICATION

Stiletto & Rapier body

- Lamps: 36W, 58W and 70W single or twin lamp options
- White polyester powder paint finish RAL9016
- IP40 construction when fully assembled
- BESA fixings to rear
- Not suitable for chain suspension
- Fully integral emergency options
- High frequency or Switch start gear standard
- F mark compliance
- Supplied less lamps

Stiletto body

- Fabricated steel construction

Rapier body

- Extruded aluminium construction
- Body has threaded key ways for fixing control gear
- No requirement for gear tray
- Specular aluminium gear cover/reflector for maximum efficiency

Stiletto & Rapier diffuser

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

Stiletto Diffuser

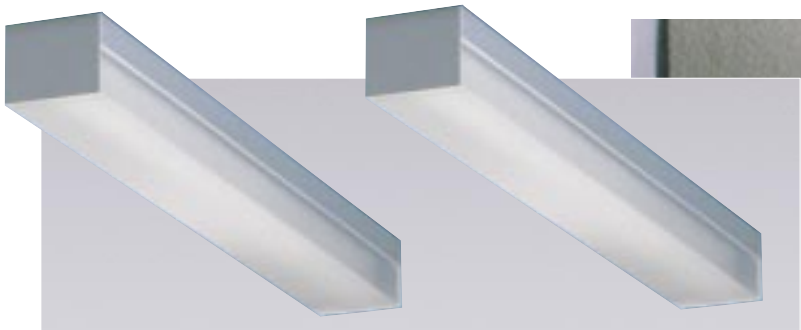
- Acrylic lens with reeded sides and prismatic base

Rapier RAC Diffuser

- Previously DHSS type A
- Acrylic lens with reeded sides and prismatic base

Rapier RBC Diffuser

- Previously DHSS type B
- Acrylic lens with refractor lens extruded in side wall
- Achieves CIBSE LG2 luminance limitations for recumbent patient

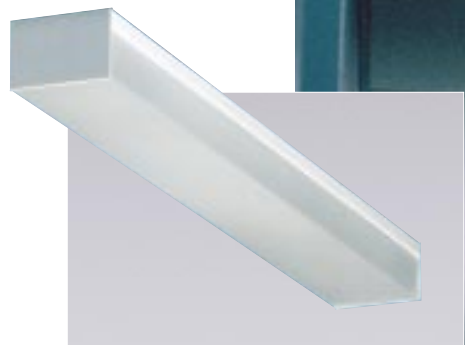


Rapier acrylic lens RACH136

Refractor-centre ward surface luminaire Rapier RBCH136

Options

- Easytest – integral self test version available see page 106
- Programmable control options:
 - LIGHTmaster LM20
 - LIGHTmaster LM120



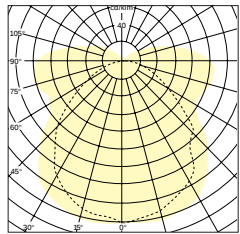
Stiletto SACS136

Rapier

ENCLOSED SURFACE LUMINAIRE
Acrylic Diffuser 1 x 1200mm 36W Lamp



- SHR MAX = 1.7
- DLOR = 0.621
- ULOR = 0.118



UTILISATION FACTORS UF(F)		SHR NOM=1.50									
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	0.39	0.44	0.49	0.53	0.58	0.61	0.64	0.67	0.69
0.50	0.30	0.20	0.32	0.37	0.41	0.45	0.49	0.53	0.55	0.59	0.62
0.00	0.00	0.00	0.24	0.28	0.32	0.35	0.39	0.42	0.44	0.47	0.49

CONVERSION TERMS

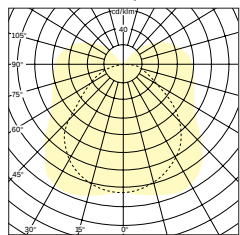
Lamp Length	1.2m	1.5m	1.8m
Lamp wattage	36W	58W	70W
UF and PC	1.0	1.02	1.02

Rapier

ENCLOSED SURFACE LUMINAIRE
Acrylic Diffuser 2 x 1200mm 36W Lamps



- SHR MAX = 1.8
- DLOR = 0.532
- ULOR = 0.136



UTILISATION FACTORS UF(F)		SHR NOM=1.75									
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	0.41	0.45	0.48	0.52	0.55	0.57	0.60	0.62
0.50	0.30	0.20	N/A	0.34	0.38	0.40	0.45	0.47	0.50	0.53	0.55
0.00	0.00	0.00	N/A	0.26	0.29	0.31	0.34	0.3	0.38	0.41	0.43

CONVERSION TERMS

Lamp Length	1.2m	1.5m	1.8m
Lamp wattage	36W	58W	70W
UF and PC	1.0	1.01	1.01

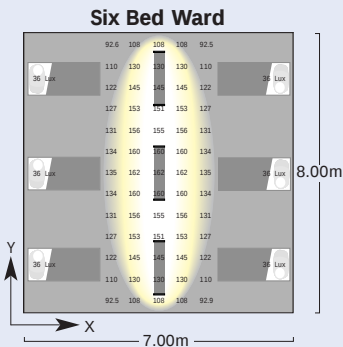
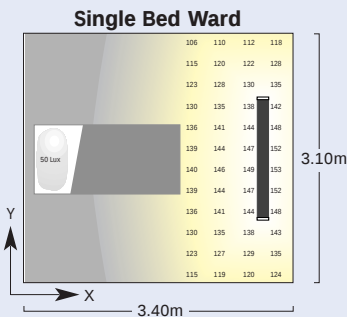
SINGLE BED AND SIX BED WARD
LIGHTING EXAMPLES

T8 Triphosphor Solution	
Luminaire	Rapier refractor
Order code	RBCH1558
Mounting height	2.7m
Lamp	1 x 1500mm 58W Triphosphor

Bedhead Illuminance	
Illuminance at bed head based on pillow at 1m above the floor level and 0.45m away from the wall	
Ceiling reflectance	70%
Wall reflectance	50%
Floor reflectance	20%

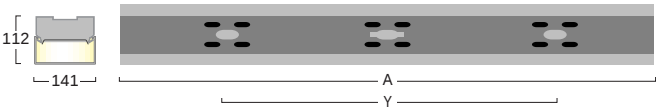
Circulation Area Illuminance	
Illuminance array at floor level including the inter-reflected components based on –	
Ceiling reflectance	70%
Wall reflectance	50%
Floor reflectance	20%

Bedhead Luminance	
Calculated luminance to recumbent patient is 1656 cd/m².	



DIMENSIONS AND WEIGHT

LAMP WAYS	LONGITUDINAL DIMENSIONS	FIXING CENTRE	FIXING DETAILS	WEIGHT KG	
	A	Y	No of Ø	ALL	RBC
1 x 36W	1231	610	2	3.7	3.9
1 x 58W	1531			5.2	4.8
1 x 70W	1796			4.6	5.6
2 x 36W	1231			6.4	–
2 x 58W	1531			5.4	–
2 x 70W	1796			7.4	–



Stiletto

ORDER CODES

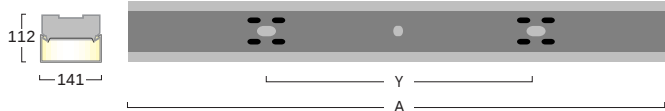
SURFACE FLUORESCENT DIFFUSER LUMINAIRE – DHSS SPECIFICATION

SWITCH START	DHSS REF	SUPPLIED LESS LAMP	HIGH FREQUENCY
SACS136	A1P	1 x 36W T8	SACH136
SACS158	A3P	1 x 58W T8	SACH158
SACS170	A5P	1 x 70W T8	SACH170
SACS236	A2P	2 x 36W T8	SACH236
SACS258	A4P	2 x 58W T8	SACH258
SACS270	A6P	2 x 70W T8	SACH270

EMERGENCY Add suffix to order codes above	
EMIN	Integral 3 hour emergency i.e SACS136EMIN

EASYTEST OPTION Add suffix to order codes above	
/ET	Integral self autotest i.e SACS136EMIN/ET

To specify state:
Surface mounted IP40, steel bodied, fluoresent luminaire with acrylic refractor reeded sides and prismatic base, retained along full length by rolled body profile – as Whitecroft Lighting STILETTO.



Rapier

ORDER CODES

SURFACE FLUORESCENT DIFFUSER LUMINAIRE – DHSS SPECIFICATION

RAC DIFFUSER SWITCH START	DHSS REF	SUPPLIED LESS LAMP	HIGH FREQUENCY
RACS136	A1P	1 x 36W T8	RACH136
RACS158	A3P	1 x 58W T8	RACH158
RACS170	A5P	1 x 70W T8	RACH170
RACS236	A2P	2 x 36W T8	RACH236
RACS258	A4P	2 x 58W T8	RACH258
RACS270	A6P	2 x 70W T8	RACH270

LUMINANCE AT 60° TO DOWNWARD VERTICAL CD/M²			
RBCS136	1295	1 x 36W T8	RBCH136
RBCS158	1656	1 x 58W T8	RBCH158
RBCS170	1762	1 x 70W T8	RBCH170

EMERGENCY Add suffix to order codes above	
EMIN	Integral 3 hour emergency i.e RACS136EMIN

EASYTEST OPTION Add suffix to order codes above	
/ET	Integral self autotest i.e RACS136EMIN/ET

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