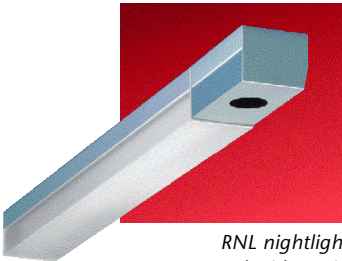
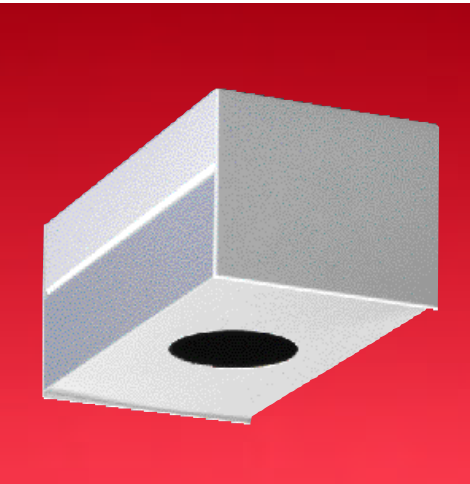


Rapier Nightlight

RAPIER NIGHTLIGHT
PREVIOUSLY DHSS TYPE BX



RNL nightlight mounted with Rapier refractor luminaire.



RNL/TC-L7

NIGHTLIGHTING OPTIONS

There are many options for the best method for achieving ward nightlighting; each option has particular benefits.

PREFERRED OPTIONS

The DHSS preferred option is a separate unit. Whitecroft has developed a separate unit which is based upon Rapier components and is therefore referred to as a 'Rapier Lookalike'. These luminaires may be used as stand-alone units or be bolted to the end of a Rapier luminaire to present the effect of a composite luminaire.

SPECIFICATION

- The performance criteria for Nightlights is laid down in BS 4533 Section 103.2 1986 and the CIBSE Code for Hospital Lighting.
- The criteria for compliance are twofold, covering luminance and illuminance limits, as follows:-
 - The luminance of Nightlight Luminaires at 55° to the downward vertical should not exceed 30 cd/m².
 - The illuminance in the circulation space should be between 3 lux and 5 lux but the illuminance at the bedhead should not exceed 0.1 lux for adult patients.

COMPLIANCE WITH SPECIFICATION

Where strict compliance with the specification is desirable, Whitecroft satisfies requirements with the preferred option of the Rapier Lookalike by attaching an aluminium cover to the standard Rapier spine, into which a formed baffle is fixed. A TC-L 5W or TC-L 7W compact fluorescent lamp is used as the light source.

Whilst more expensive, the TC-L lamps must increasingly be considered because of their extended lives. See diagram opposite.

ORDER CODES

RNL/1TCL5	SW/TC-L version
RNL/1TCL7	SW TC-L version

NON-COMPLIANCE WITH SPECIFICATION

Alternative stand alone Rapier Lookalike configurations can be supplied where compliance with the specification is relaxed.

There are two options:-

- Using the PL7 compact fluorescent lamp mounted within a standard Rapier acrylic diffuser.
- Using a 15 watt Pigmy lamp mounted within an aluminium cover attached to the standard Rapier spine to replace the diffuser.

ORDER CODES

RNL/D/1TCL7	Option 1	RNL/SBC	Option 2
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HOSPITAL NIGHTLIGHT EXAMPLE

Hospital Nightlight

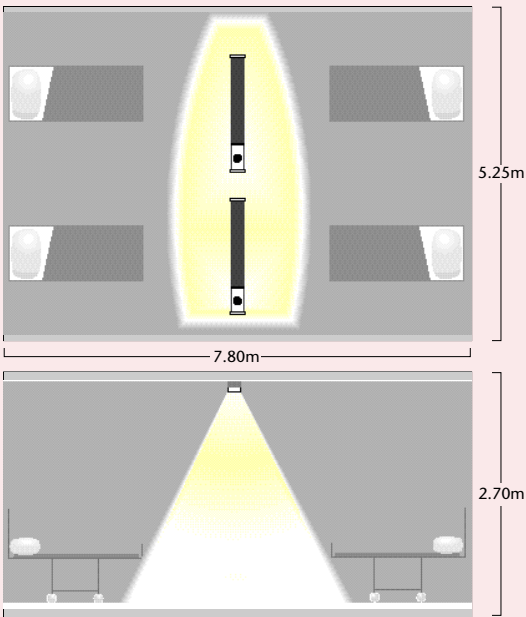
Luminaire	Rapier nightlight
Order Code	RNL/1TCL7 or RNL/1TCL5
Mounting Height	2.7m
Lamp	Compact fluorescent 7W TC-L or 5W TC-L

These are Rapier 'Lookalike' luminaires (two shown) which comply with the requirements laid down in BS 4533 Section 103.2 1986 and CIBSE Code for Hospital Lighting ~ previously DHSS type L photometric requirements.

They may be used alongside the RBC 1558 luminaires as shown.

The light area on the plan shows the illuminance of the circulation area. The illuminance is between 3 and 5 lux at floor level.

The shaded area of the elevation diagram shows the region, above 45° to the downward vertical, where the luminance to the recumbent patient is less than 30 cd m⁻².



ALTERNATIVES

Fully integral nightlights may be accommodated within the main Rapier (reference. RBC) spine but there is no pretence that these comply with the luminance limitations of the specification. In addition it is preferable that the sub-circuit wiring to Nightlights is kept separate from the normal lighting. This favours the preferred option of the stand alone unit.

Suffixing the main luminaire catalogue references as follows will specify the particular alternative requirements for integral Nightlights.

ORDER CODES

/SBC	SBC lampholder fitted, will accept most incandescent lamps
/2SBC	2 SBC lampholders fitted
/1TCL7	7W TCL Compact fluorescent
/1TCL5	5W TCL Compact fluorescent

Please refer to Whitecroft Technical Department to ensure specified nightlight lamp will physically fit in the required luminaire. Nightlight options are also available for the Stiletto range.