

broadsread asymmetric

Healthcare: T5 Recessed asymmetric corridor luminaire - updated January 2006

APPLICATION

The Broadsread Asymmetric luminaire is designed to optimise life cycle cost and patient comfort. It can be positioned adjacent to a wall to minimise glare to recumbent patients on hospital trolleys while its asymmetric distribution relieves gloom by delivering good even vertical illumination to both walls. Using linear T5 lamps, this solution maximises patient comfort while also delivering both a lower installed cost and cost of ownership.

- Clinical corridors
- Other internal hospital corridors

SPECIFICATION

- To suit a 1 x 54W T5 lamp – 4000K recommended in clinical corridors
- Night light option with additional 7W TC-S lamp
- Rigid and jointed steel body finished White to RAL 9010
- High frequency or high frequency analogue dimming control gear as standard
- 3 hour integral emergency option
- Fused terminal block
- Asymmetric cross blade louvre
- Suspension in 38mm high T-bar ceilings is via stepped push out tabs. For installation in plasterboard ceilings mounting kit BASYSBKIT should be ordered
- Lamps not supplied

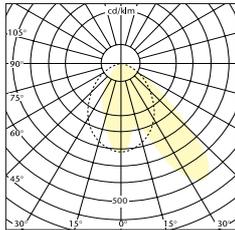
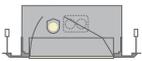




PHOTOMETRY

CORRIDOR ASYMMETRIC

1 x 54W T5 Lamp



- LOR = 65.4%
- SHR MAX = 1.66

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	0.46	0.51	0.56	0.59	0.63	0.65	0.67	0.69	0.70
0.50	0.30	0.20	0.41	0.47	0.51	0.54	0.58	0.61	0.62	0.65	0.66
0.00	0.00	0.00	0.37	0.42	0.46	0.49	0.53	0.55	0.57	0.59	0.60

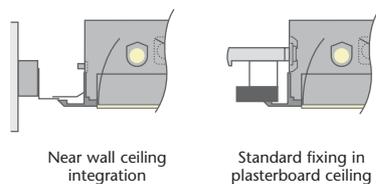
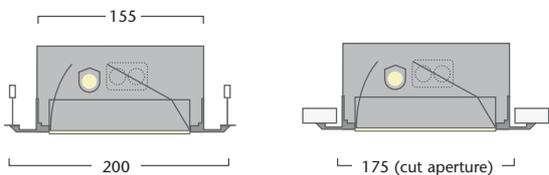
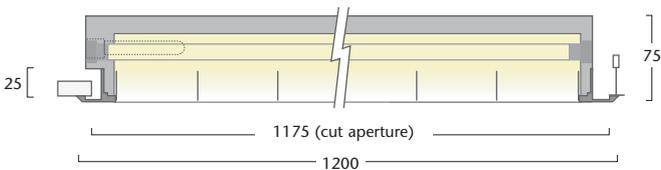
LAMP PERFORMANCE MATRIX

WATTAGE	IL@25°C	LAMP LIFE
1 x 54W T5	4450	20,000

As guidance at ceiling heights from 2.4 – 2.7m.

- In corridors up to 2m wide, spacing at 3.6m centres delivers 200 lux (one in two to be emergency to give 1 lux minimum)
- In corridors from 2.0 to 3.0m wide, spacing at 3.0m centres delivers 200 lux (one in three to be emergency to give 1 lux minimum)
- One in 3 to be on a separate circuit for night-lighting to give 50 lux average
- If the corridor width is greater than 1.5 times the floor to ceiling height, 2 rows of luminaires will be required. These may be staggered to give even illumination

DIMENSIONS



ORDER CODES – BROADSPREAD ASYMMETRIC

T5 RECESSED ASYMMETRIC HEALTHCARE CORRIDOR LUMINAIRE

LAMPS REQUIRED	HIGH FREQUENCY	HIGH FREQUENCY ANALOGUE DIMMING
1 x 54W – T5	BASMH154	BASMR154
1 x 54W – T5 & 1 x 7W TC-S	BASMH154NL	BASMR154NL

MOUNTING KIT *Order separately*

BASYSBKIT Plasterboard ceiling mounting kit

EMERGENCY *Add suffix to order codes above*

EMIN 3 hour integral emergency, i.e. **BASMH154EMIN**

To specify state:

1 x 54W T5 corridor asymmetric luminaire, with 7W TC-S night light option. Rigid and jointed steel body, finished White to RAL 9010. Designed to fit both modular T-bar or 'single sheet' plasterboard ceilings including situations with the edge within 40mm of the wall. Asymmetric cross-blade louvre – as Whitecroft Lighting BROADSPREAD ASYMMETRIC.

Note:
To enable installation in single sheet plasterboard ceilings, mounting kit BASYSBKIT should be ordered. (This consists of 4 twist fix Lumafix brackets and a full length adjustable levelling rail for near wall mounting - see illustrations)