

THEBE LOW BRIGHT 1 x 36 WATT 1200 x 300mm (Nom)

RECESSED T-BAR – THT136S



SPECULAR LOUVRE – VDU CAT3 NEGATIVE SCREEN VDU CAT2 POSITIVE SCREEN (CIBSE : LG3)

FEATURES

- Suitable for all areas where VDUs are in use.
- High grade aluminium louvres for long life and superior performance.
- Hinged louvre for easy tube replacement.
- Available in code, low loss or electronic ballast.
- Louvres also available in other finishes.
- Metal surfaces pretreated and degreased before being polyester epoxy powder coated and baked for high protection and quality finish.
- High reflectivity (94%) paint.
- Designed for quick and easy installation to save both time and money.
- High temperature internal wiring for added safety.
- Control gear mounting tray with holes pre-tapped for ease of ballast replacement.
- T-Bar and Recessed Plaster supplied with either 1.5 metre of flex and plug or for fixed wiring.

APPLICATION

The **Thebe Low Bright Luminaire** is designed to comply with British CIBSE standard LG3, and is a Category 3 luminaire for negative screen and Category 2 luminaire for positive screen areas.

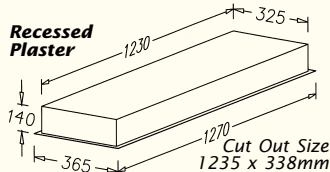
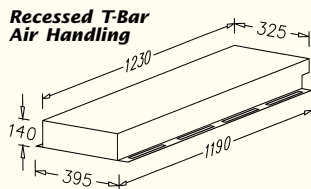
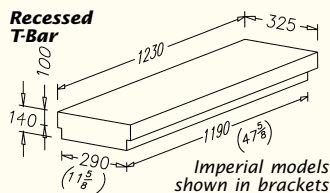
CIBSE : LG3 deals with lighting requirements for display screen (VDU) areas in the workplace, and sets maximum luminance

limits from the luminaire over a range of angles, to achieve comfortable glare-free conditions in the workplace.

The **Thebe** range of **Low Bright** luminaires with their Category 3 and Category 2 ratings are an ideal choice for use in general office and VDU workstation areas where visual comfort and a glare-free environment is important.

This range is available in models to suit recessed T-bar ceilings, including air handling and recessed plaster ceilings.

DIMENSIONS



RECESSED T-BAR AIR HANDLING THT136SA



RECESSED PLASTER THP136S



Luminaire can be fixed from the ends by crank bracket supplied or from the side using the preformed holes. Battening is required to a maximum height of 45mm including ceiling sheet.

1200 x 300mm (nom) 1 x 36 WATT THEBE LOW BRIGHT



Manufactured to standards – EN60598.1



EN60598.2.1

EN60598.2.2

EN55015 (AS/NZS 4051)

EMC Compliant Supplier Code N1562 (Aust)



“When your business depends on light.”

THEBE LOW BRIGHT 1 x 36 WATT 1200 x 300mm (Nom)

1200 x 300mm (nom) 1 x 36 WATT THEBE LOW BRIGHT

RECESSED T-BAR – THT136D



SEMI SPECULAR LOUVRE – VDU CAT3 (CIBSE : LG3)

FEATURES

- Suitable for all areas where VDUs are in use.
- High grade aluminium louvres for long life and superior performance.
- Hinged louvre for easy tube replacement.
- Available in code, low loss or electronic ballast.
- Louvres also available in other finishes.
- Metal surfaces pretreated and degreased before being polyester epoxy powder coated and baked for high protection and quality finish.
- High reflectivity (94%) paint.
- Designed for quick and easy installation to save both time and money.
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APPLICATION

The **Thebe Low Bright Luminaire** is designed to comply with British CIBSE standard LG3, and is a Category 3 luminaire. CIBSE : LG3 deals with lighting requirements for display screen (VDU) areas in the workplace, and sets maximum luminance limits from the luminaire over a range of angles, to achieve comfortable glare-free conditions in the workplace.

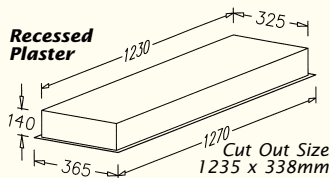
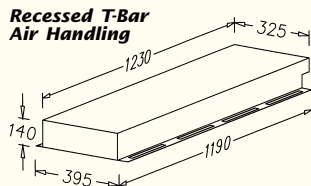
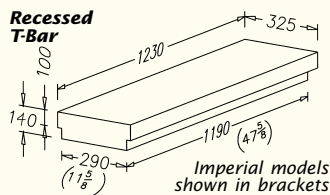
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This range is available in models to suit recessed T-bar ceilings, including air handling and recessed plaster ceilings.



RECESSED T-BAR AIR HANDLING THT136DA

DIMENSIONS



RECESSED PLASTER THP136S



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Manufactured to standards – EN60598.1



EN60598.2.1

EN60598.2.2

EN55015 (AS/NZS 4051)

EMC Compliant Supplier Code N1562 (Aust)



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1200 x 300mm (nom) 1 x 36 WATT THEBE LOW BRIGHT

THEBE SERIES

1x10 Cell 1/36 watt 300mm wide with Semi Specular louvre

VDU Areas as per CIBSE LG3

Luminaire is classified CAT3 for both negative and positive screen areas.

Photometric data applies to all three models

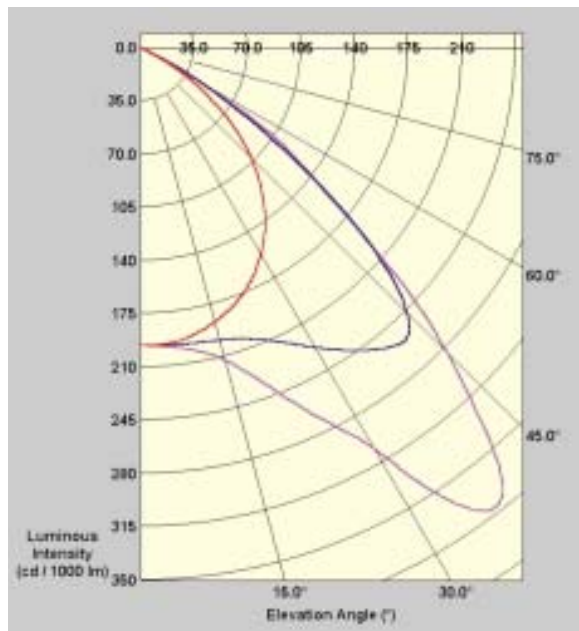
THT136D Recessed T/Bar

THT136DA Recessed T/Bar Air Handling

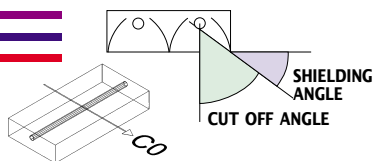
THP136D Recessed Plaster

POLAR CURVE

cd/1000lms 1 Max 371cd in CO plane at 40° gamma



CO Plane (cut off angle 50°)
C45 Plane
C90 Plane (cut off angle 55°)



CIE Aiming Convention
CO Plane across the tube

LUMINOUS INTENSITY TABLE (cd/1000lms)

| γ Gamma | C0 | C22.5 | C45 | C67.5 | C90 |
|---------|-------|-------|-------|-------|-------|
| 0° | 195.6 | 195.6 | 195.6 | 195.6 | 195.6 |
| 5° | 197.2 | 196.7 | 196.1 | 195.6 | 195.4 |
| 10° | 201.6 | 200.3 | 197.2 | 193.8 | 192.1 |
| 15° | 212.0 | 208.0 | 199.0 | 190.6 | 186.8 |
| 20° | 233.7 | 224.2 | 203.6 | 186.5 | 179.5 |
| 25° | 265.1 | 250.5 | 213.1 | 181.5 | 170.0 |
| 30° | 301.2 | 280.2 | 227.3 | 176.1 | 157.3 |
| 35° | 370.4 | 331.5 | 243.2 | 170.0 | 142.5 |
| 40° | 370.9 | 349.4 | 256.7 | 162.6 | 123.7 |
| 45° | 284.2 | 277.5 | 248.3 | 150.7 | 102.9 |
| 50° | 183.5 | 186.6 | 189.2 | 129.5 | 78.8 |
| 55° | 120.4 | 108.4 | 108.4 | 90.7 | 52.4 |
| 60° | 41.4 | 54.4 | 47.4 | 43.1 | 26.8 |
| 65° | 8.0 | 10.4 | 12.6 | 12.2 | 7.5 |
| 70° | 2.7 | 3.8 | 3.5 | 2.4 | 1.6 |
| 75° | 1.1 | 1.3 | 1.3 | 0.7 | 0.5 |
| 80° | 0.4 | 0.4 | 0.5 | 0.2 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

LUMINOUS OPENING: 1134mm x 234mm

AVERAGE LUMINANCE TABLE

| γ Gamma | C0 | C45 | C90 |
|---------|------|------|------|
| 45° | 1510 | 1320 | 548 |
| 55° | 791 | 712 | 344 |
| 65° | 71.3 | 112 | 66.9 |
| 75° | 16 | 18.9 | 7.28 |
| 85° | 0 | 0 | 0 |

Luminance in cd/m²/1000lms

UTILISATION FACTOR TABLE - CIBSE TM5 (fine grid method min/ave 0.8)

| LOR: 60.1% | | | | SHR NOM: 1.25 : 1.0 | | | | | SHR MAX: 1.40 : 1.0 | | | | |
|----------------------|------|----------|------|---------------------|------|------|------|------|---------------------|------|------|--|--|
| Reflectance | | | | Room Index (K) | | | | | | | | | |
| Ceiling | Wall | Floor | 0.75 | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 | | |
| 0.70 | 0.50 | 0.20 | 0.38 | 0.45 | 0.50 | 0.53 | 0.57 | 0.59 | 0.61 | 0.63 | 0.64 | | |
| 0.70 | 0.30 | 0.20 | 0.33 | 0.41 | 0.46 | 0.49 | 0.54 | 0.56 | 0.58 | 0.61 | 0.63 | | |
| 0.70 | 0.10 | 0.20 | 0.30 | 0.38 | 0.43 | 0.46 | 0.51 | 0.54 | 0.56 | 0.59 | 0.61 | | |
| 0.50 | 0.50 | 0.20 | 0.37 | 0.44 | 0.48 | 0.51 | 0.55 | 0.57 | 0.59 | 0.61 | 0.62 | | |
| 0.50 | 0.30 | 0.20 | 0.33 | 0.40 | 0.45 | 0.48 | 0.52 | 0.55 | 0.57 | 0.59 | 0.61 | | |
| 0.50 | 0.10 | 0.20 | 0.30 | 0.38 | 0.42 | 0.46 | 0.50 | 0.53 | 0.55 | 0.58 | 0.59 | | |
| 0.30 | 0.50 | 0.20 | 0.36 | 0.43 | 0.47 | 0.50 | 0.53 | 0.55 | 0.57 | 0.58 | 0.60 | | |
| 0.30 | 0.30 | 0.20 | 0.33 | 0.40 | 0.44 | 0.47 | 0.51 | 0.53 | 0.55 | 0.57 | 0.59 | | |
| 0.30 | 0.10 | 0.20 | 0.30 | 0.37 | 0.42 | 0.45 | 0.49 | 0.52 | 0.54 | 0.56 | 0.58 | | |
| 0.00 | 0.00 | 0.00 | 0.29 | 0.36 | 0.40 | 0.43 | 0.47 | 0.50 | 0.51 | 0.54 | 0.55 | | |
| Distribution Factors | | Floor: | 0.29 | 0.36 | 0.40 | 0.43 | 0.47 | 0.50 | 0.51 | 0.54 | 0.55 | | |
| | | Walls: | 0.31 | 0.24 | 0.20 | 0.17 | 0.13 | 0.10 | 0.09 | 0.07 | 0.05 | | |
| | | Ceiling: | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Bz Numbers | | | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | | |

MALAYSIA

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Davis Lighting is a registered trade name



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THEBE LOW BRIGHT 2 x 36 WATT 1200 x 300mm (Nom)

RECESSED T-BAR – THT236S



SPECULAR LOUVRE – VDU CAT3 (CIBSE : LG3)

FEATURES

- Suitable for all areas where VDUs are in use.
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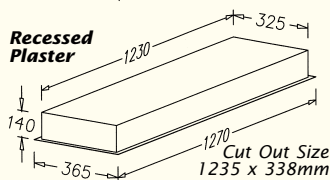
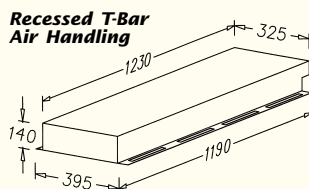
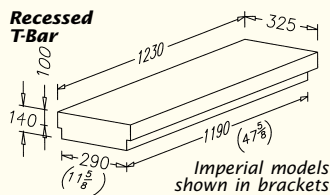
RECESSED T-BAR AIR HANDLING THT236SA



RECESSED PLASTER THP36S



DIMENSIONS



Luminaire can be fixed from the ends by crank bracket supplied or from the side using the preformed holes. Battening is required to a maximum height of 45mm including ceiling sheet.

1200 x 300mm (nom) 2 x 36 WATT THEBE LOW BRIGHT



Manufactured to standards – EN60598.1



EN60598.2.1
EN60598.2.2
EN55015 (AS/NZS 4051)

EMC Compliant Supplier Code N1562 (Aust)



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1200 x 300mm (nom) 2 x 36 WATT THEBE LOW BRIGHT

THEBE SERIES

1x10 Cell 2/36 watt 300mm wide with Specular louvre

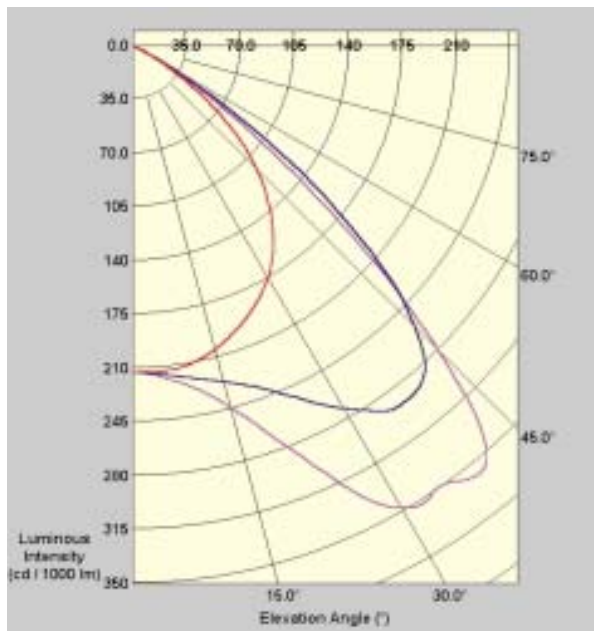
VDU Areas as per CIBSE LG3

Luminaire is classified CAT3 for both negative and positive screen areas.

Photometric data applies to all three models

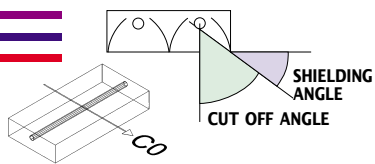
POLAR CURVE

cd/1000lms 1 Max 359.4cd in CO plane at 40° gamma



CO Plane (cut off angle 54°)
C45 Plane
C90 Plane (cut off angle 55°)

CIE Aiming Convention
CO Plane across the tube



THT236S Recessed T/Bar

THT236SA Recessed T/Bar Air Handling

THP236S Recessed Plaster

LUMINOUS INTENSITY TABLE (cd/1000lms)

| γ Gamma | C0 | C22.5 | C45 | C67.5 | C90 |
|---------|-------|-------|-------|-------|-------|
| 0° | 212.9 | 212.9 | 212.9 | 212.9 | 212.9 |
| 5° | 216.2 | 216.2 | 215.0 | 213.8 | 213.0 |
| 10° | 225.7 | 224.7 | 219.8 | 214.1 | 210.8 |
| 15° | 243.0 | 239.5 | 226.4 | 212.5 | 205.2 |
| 20° | 273.0 | 264.4 | 236.5 | 209.7 | 196.8 |
| 25° | 312.3 | 297.2 | 252.7 | 207.3 | 187.1 |
| 30° | 348.7 | 336.3 | 272.9 | 206.2 | 175.2 |
| 35° | 347.2 | 344.9 | 290.9 | 206.0 | 159.7 |
| 40° | 359.4 | 347.0 | 290.2 | 201.5 | 138.5 |
| 45° | 280.5 | 295.1 | 260.2 | 182.2 | 114.0 |
| 50° | 165.9 | 180.9 | 188.5 | 146.4 | 83.9 |
| 55° | 73.1 | 84.0 | 101.3 | 89.4 | 50.2 |
| 60° | 16.4 | 31.6 | 29.4 | 31.9 | 19.0 |
| 65° | 1.9 | 2.6 | 3.6 | 3.8 | 0.9 |
| 70° | 0.5 | 0.8 | 0.8 | 0.2 | 0.2 |
| 75° | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 |
| 80° | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

LUMINOUS OPENING: 1134mm x 234mm

AVERAGE LUMINANCE TABLE

| γ Gamma | C0 | C45 | C90 |
|---------|------|------|------|
| 45° | 1500 | 1390 | 608 |
| 55° | 480 | 666 | 330 |
| 65° | 16.9 | 32.3 | 8.07 |
| 75° | 2.64 | 2.64 | 0 |
| 85° | 0 | 0 | 0 |

Luminance in cd/m²/1000lms

UTILISATION FACTOR TABLE - CIBSE TM5 (fine grid method min/ave 0.8)

| LOR: 63.3% | | | | SHR NOM: 1.5 : 1.0 | | | | | SHR MAX: 1.60 : 1.0 | | | | | |
|----------------------|------|----------|------|--------------------|------|------|------|------|---------------------|------|------|--|--|--|
| Reflectance | | | | Room Index (K) | | | | | | | | | | |
| Ceiling | Wall | Floor | 0.75 | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 | | | |
| 0.70 | 0.50 | 0.20 | 0.45 | 0.51 | 0.55 | 0.58 | 0.62 | 0.64 | 0.65 | 0.67 | 0.69 | | | |
| 0.70 | 0.30 | 0.20 | 0.41 | 0.48 | 0.52 | 0.55 | 0.59 | 0.62 | 0.63 | 0.66 | 0.67 | | | |
| 0.70 | 0.10 | 0.20 | 0.39 | 0.45 | 0.49 | 0.53 | 0.57 | 0.60 | 0.62 | 0.64 | 0.66 | | | |
| 0.50 | 0.50 | 0.20 | 0.44 | 0.50 | 0.54 | 0.57 | 0.60 | 0.62 | 0.63 | 0.65 | 0.66 | | | |
| 0.50 | 0.30 | 0.20 | 0.41 | 0.47 | 0.51 | 0.54 | 0.58 | 0.60 | 0.62 | 0.64 | 0.65 | | | |
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| 0.30 | 0.10 | 0.20 | 0.38 | 0.44 | 0.48 | 0.51 | 0.55 | 0.57 | 0.59 | 0.61 | 0.62 | | | |
| 0.00 | 0.00 | 0.00 | 0.37 | 0.43 | 0.47 | 0.49 | 0.53 | 0.55 | 0.56 | 0.58 | 0.59 | | | |
| Distribution Factors | | Floor: | 0.37 | 0.43 | 0.47 | 0.49 | 0.53 | 0.55 | 0.56 | 0.58 | 0.59 | | | |
| | | Walls: | 0.26 | 0.21 | 0.17 | 0.14 | 0.11 | 0.09 | 0.07 | 0.05 | 0.04 | | | |
| | | Ceiling: | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| Bz Numbers | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |

MALAYSIA

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RECESSED T-BAR AIR HANDLING THT236DA

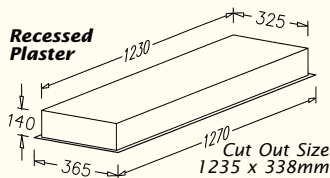
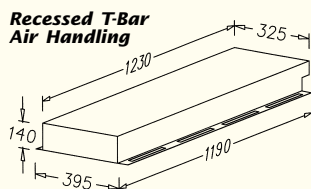
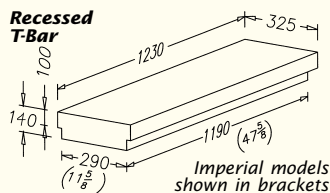


RECESSED PLASTER THP236S



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DIMENSIONS



Manufactured to standards – EN60598.1



EN60598.2.1
EN60598.2.2

EN55015 (AS/NZS 4051)

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