Hi-Bar

RECESSED    SURFACE    SUSPENDED

LINEAR CONTINUOUS AND INDIVIDUAL LUMINAIRES
LINEAR CONTINUOUS AND INDIVIDUAL LUMINAIRES

RECESSED  SURFACE  SUSPENDED
Hi-Bar

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LINEAR CONTINUOUS AND INDIVIDUAL LUMINAIRES
The versatile Hi-Bar luminaire is suitable for recessed, surface and wire suspension mounting making it ideal for a range of building wide applications. Slim and elegant, the Hi-Bar combines supreme efficiency and longevity with design flexibility.
HI-BAR
RECESSED CONTINUOUS
HI-BAR
RECESSED CONTINUOUS

RECESSED CONTINUOUS LINEAR LED LUMINAIRES

[Image -1x600 to 596x843]

SPECIFICATION
- Extruded aluminium body and die cast ends finished satin white (RAL 9016)
- Polycarbonate TP(a) flame retardant diffuser eliminating spread of flame in case of a building fire
- Integral through wiring system with plug and socket, fast fit and release gear trays
- SmartScan wireless technology removes the need for control cabling between groups of luminaires
- Fitted with 4000K LEDs

LED CHARACTERISTICS
- CRI: 80+
- Colour Temperature: 4000K
- Rated Life (Hours): 60K - L80/B10
- Protection: LUX GUARD
- Driver Efficiency: >85%
- Replaceable: YES
- Power Factor: >0.9
- LL/CW: 109.5

For LED characteristics explanation see www.thorlux.com/led-characteristics

The Remote SmartScan Sensor controls either a 1500mm or a 3000mm length and is connected centrally along the length of the luminaire. The Sensor is supplied with an 800mm interconnecting lead. SmartScan enables wireless grouping if required (see page 14).

Remote SmartScan Sensor

Dimensions and Photometrics page 15
RECESSED INDIVIDUAL LINEAR LED LUMINAIRES

SPECIFICATION
• Extruded aluminium body and die cast ends finished satin white (RAL 9016)
• Polycarbonate TP(a) flame retardant diffuser
• Plug and socket, fast fit and release gear trays
• SmartScan wireless technology removes the need for control cabling between groups of luminaires
• Fitted with 4000K LEDs

LED CHARACTERISTICS
CRI 80+
COLOUR TEMPERATURE 4000K
RATED LIFE (HOURS) 60K - L80/B10
PROTECTION LUX GUARD
DRIVER EFFICIENCY >85%
REPLACEABLE YES
POWER FACTOR >0.9
LL/CW 109.5

For LED characteristics explanation see www.thorlux.com/led-characteristics

RANGE

<table>
<thead>
<tr>
<th>NOMINAL SIZE (mm)</th>
<th>LED</th>
<th>CAT. No.</th>
<th>LENGTH (mm)</th>
<th>APPROX. kg</th>
<th>CIRCUIT</th>
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<tbody>
<tr>
<td>1500</td>
<td>17W</td>
<td>HB 18671SS</td>
<td>1532</td>
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CIRCUIT TYPE - suffix catalogue number with:
SMARTSCAN SmartScan versions use wireless technology and are always suffixed SS
STANDARD L - non-dimming (LED) / A - dimming (DALI)  e.g. HB 18671SS etc.

EMERGENCY VERSION - prefix catalogue number with:
EHB - Emergency / WHB - SmartScan  e.g. EHB 18671SS etc.
Add 0.4kg to weights listed.

Dimensions and Photometrics page 15
HI-BAR
SURFACE / SUSPENDED
CONTINUOUS

The SmartScan Sensor controls either a 1500mm length or a 3000mm length and is located centrally along the length of the luminaire. SmartScan enables wireless grouping if required (see page 14).
### BODY RANGE - Order body and finishing components as required

<table>
<thead>
<tr>
<th>Nominal Size (mm)</th>
<th>LED</th>
<th>Type</th>
<th>Catalogue Number</th>
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<th>Approx. Kg</th>
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<tr>
<td>34W</td>
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<td>HB 18710SS</td>
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</tr>
<tr>
<td>90W</td>
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<td>HB 18712SS</td>
<td>11.0</td>
<td></td>
</tr>
<tr>
<td>3000</td>
<td>17W</td>
<td>SMARTSCAN</td>
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<td></td>
<td>HB 18718</td>
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</table>

**Circuit Type**  
- suffix catalogue number with:  
  - **SMARTSCAN** - SmartScan versions use wireless technology and are always suffixed **SS**  
  - **L** - non-dimming (LED) / **A** - dimming (DALI)  
  - e.g. HB 18707SS etc.

**Emergency Version**  
- prefix catalogue number with:  
  - **EH** - Emergency / **WHB** - SmartScan  
  - e.g. EHB 18707SS etc.

Add 0.4kg to weights listed.

* **NOTE:** 3000mm versions - only one half (1500mm) will illuminate in emergency mode.

### LED CHARACTERISTICS

- **CRI:** 80+  
- **Colour Temperature:** 4000K  
- **Rated Life (Hours):** 60K - L80/B10  
- **Protection:** LUX GUARD  
- **Driver Efficiency:** >85%  
- **Replaceable:** YES  
- **Power Factor:** >0.9

**LL/CW:** 109.5

For LED characteristics explanation see [www.thorlux.com/led-characteristics](http://www.thorlux.com/led-characteristics)

### Finishing Components

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalogue Number</th>
<th>Approx. Kg</th>
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</thead>
<tbody>
<tr>
<td>Opal cover (3500mm length)</td>
<td>HB 18667</td>
<td>0.60</td>
</tr>
<tr>
<td>Wire suspension kit (3m length)*</td>
<td>ZP 16415</td>
<td>0.05</td>
</tr>
<tr>
<td>Surface mounting kit*</td>
<td>ZP 16689</td>
<td>0.04</td>
</tr>
<tr>
<td>Suspended/surface end kit (2 ends per kit)</td>
<td>HB 18670</td>
<td>0.20</td>
</tr>
</tbody>
</table>

* See the mounting point spacing table on page 15 for required quantities

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**Dimensions and Photometrics page 15**
The SmartScan Sensor is located centrally along the length of the luminaire. SmartScan enables wireless grouping if required (see page 14).
**SPECIFICATION**
- Extruded aluminium body and die cast ends finished satin white (RAL 9016)
- Polycarbonate TP(a) flame retardant diffuser
- Plug and socket fast, fit and release gear trays
- Supplied with easily adjustable 3m wire suspensions, surface mounting kit and fitted with 3m lead
- SmartScan wireless technology removes the need for control cabling between groups of luminaires
- Fitted with 4000K LEDs

**LED CHARACTERISTICS**
- CRI: 80+
- Colour Temperature: 4000K
- Rated Life (Hours): 60K - L80/B10
- Protection: LUX GUARD
- Driver Efficiency: >85%
- Replaceable: YES
- Power Factor: >0.9

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<th>CIRCUIT</th>
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</thead>
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<td>17W</td>
<td>HB 18683SS</td>
<td>1516</td>
<td>6.8</td>
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<td>45W</td>
<td>HB 18691</td>
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<td>6.7</td>
<td>L/A</td>
</tr>
</tbody>
</table>

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Add 0.4kg to weights listed.

**Dimensions and Photometrics page 15**
HI-BAR
Group control using SmartScan

SmartScan utilises a wireless mesh network. Each device acts as a repeater, ensuring that data signals always find a suitable communication path. Groups are easily created and changed providing future flexibility without altering wiring.

**Example 1** - Along a row of recessed, surface or suspended continuous or individual luminaires

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**Example 2** - Along and across rows of recessed, surface or suspended continuous or individual luminaires

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**Example 3** - Across rows of recessed, surface or suspended continuous or individual luminaires

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Learn more about SmartScan at: [www.thorlux.com/smartscan](http://www.thorlux.com/smartscan)
HI-BAR
Dimensions and Photometrics

PHOTOMETRIC GUIDE

Luminaire Lumen Output:
17W = 2190lm
30W = 3775lm
45W = 5455lm
60W = 7550lm
90W = 10910lm

DIMENSIONS

SMART SCAN SENSOR

Suspension

Surface

SmartScan Version

100

100

39

39

57

57

Transverse

Areal

CANDLES PER 1000 LUMENS

100

200

300

400

34W = 4380lm

SMART SCAN VERSION

Suspension

Surface

SmartScan Version

100

100

39

39

57

57

DIMENSIONS

Recessed ceiling bracket

25 x 25 nogging

Recessed

Mounting Arrangement - Palasterboard ceiling

Individual Cut-outs
1500mm - 1520 x 62mm
3000mm - 3020 x 62mm

SIMPLE TO APPLY RECESSED CEILING FIXING BRACKET:
1 - Offer up the luminaire in to the cut aperture and tighten the screw from below
2 - The bracket will rotate against the body and pull the body up to the ceiling

SLIDING SUSPENSION

Sliding suspensions should be located a maximum of 250mm from either end.

CONTINUOUS ROWS USING SLIDING SUSPENSION

Sliding suspension kits should be located a maximum of 250mm either side of joints or from ends.

www.thorlux.com
Designers, manufacturers and suppliers of professional lighting systems

INDUSTRIAL LUMINAires
COMMERCIAL LUMINAires
FLOODLIGHTING LUMINAires
ARCHITECTURAL LUMINAires
HEALTHCARE LUMINAires
HAZARDOUS AREA LUMINAires
RETAIL & DISPLAY LUMINAires
CONTROLS AND SYSTEMS

A DIVISION OF F.W. THORPE PLC

Thorlux Carbon Offsetting Project: www.thorlux.com/trees

The information given in this catalogue is typical and must not be interpreted as a guarantee of individual product performance and/or characteristics. We reserve the right to alter specifications and designs without prior notice.

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