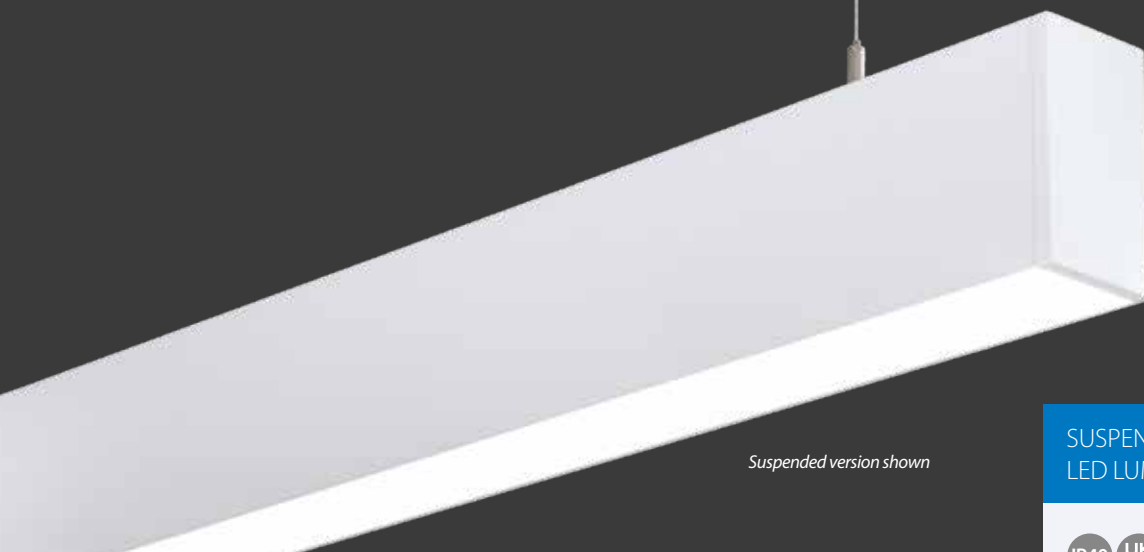


# HI-BAR SUSPENDED/SURFACE INDIVIDUAL



Suspended version shown

## RANGE

	NOMINAL SIZE (mm)	LED	OPAL	LOW GLARE	LENGTH (mm)	APPROX. kg	CIRCUIT
SMARTSCAN	1500	17W	<b>HB 18683SS</b>	<b>HB 18686SS</b>	1516	6.8	
		30W	<b>HB 18684SS</b>	<b>HB 18687SS</b>		6.8	
		45W	<b>HB 18685SS</b>	<b>HB 18688SS</b>		6.8	
STANDARD	1500	17W	<b>HB 18689</b>	<b>HB 18692</b>	1516	6.7	L/A
		30W	<b>HB 18690</b>	<b>HB 18693</b>		6.7	L/A
		45W	<b>HB 18691</b>	<b>HB 18694</b>		6.7	L/A

**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 18683SS** etc.

**EMERGENCY VERSION** - prefix catalogue number with:

**EHB** - Emergency (Not available when selecting the 'SS' suffix)

**WHB** - SmartScan (Only available when selecting the 'SS' suffix)

e.g. **WHB 18683SS** etc.

Add 0.4kg to weights listed.

**UPLIGHT OPTION** - suffix catalogue number with 'UL' e.g. **HB 18683SSUL**



The SmartScan Sensor is located centrally along the length of the luminaire.

SmartScan enables wireless grouping if required (see page 6).

Dimensions, Photometrics and Mounting Options - pages 4-5

## SUSPENDED INDIVIDUAL LINEAR LED LUMINAIRES



### SPECIFICATION

- Extruded aluminium body and die-cast ends finished satin white (RAL 9016)
- Supplied with polycarbonate TP(a) fire-retardant diffuser. Opal or low glare options
- Plug and socket, fast fit and release gear trays
- Uplight option (suspended versions only)
- 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	<b>80+</b>
COLOUR TEMPERATURE	<b>4000K</b>
RATED LIFE (HOURS)	<b>100K - L80/B10</b>
PROTECTION	<b>LUX GUARD</b>
DRIVER EFFICIENCY	<b>&gt;85%</b>
REPLACEABLE	<b>YES</b>
POWER FACTOR	<b>&gt;0.9</b>

**LL/CW 109.5**

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

### SmartScan Configurations



Find out more at [www.thorlux.com/smartsan](http://www.thorlux.com/smartsan)

# HI-BAR SUSPENDED/SURFACE CONTINUOUS

## SUSPENDED CONTINUOUS LINEAR LED LUMINAIRES



### SPECIFICATION

- Extruded aluminium body and die-cast ends finished satin white (RAL 9016)
- Polycarbonate TP(a) fire-retardant diffuser eliminating spread of flame in case of a building fire. Opal or low glare options (see finishing components on page 4)
- Integral through wiring system with plug and socket, fast fit and release gear trays
- Uplight option (suspended versions only)
- Suitable for wire suspended or surface mounting (see finishing components on page 4)
- 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)	100K - 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-guide](http://www.thorlux.com/led-guide)

### SmartScan Configurations



Find out more at [www.thorlux.com/smartsan](http://www.thorlux.com/smartsan)

*Suspended version shown*

### BODY RANGE - Order finishing components as required (see page 4)

	NOMINAL SIZE (mm)	LED	CAT. No.	LENGTH (mm)	APPROX. kg	CIRCUIT
SMARTSCAN	1500	17W	<b>HB 18707SS</b>	1500	5.6	
		30W	<b>HB 18708SS</b>		5.6	
		45W	<b>HB 18709SS</b>		5.6	
	3000	34W	<b>HB 18710SS</b>	3000	11.0	
		60W	<b>HB 18711SS</b>		11.0	
		90W	<b>HB 18712SS</b>		11.0	
STANDARD	1500	17W	<b>HB 18713</b>	1500	5.5	L/A
		30W	<b>HB 18714</b>		5.5	L/A
		45W	<b>HB 18715</b>		5.5	L/A
	3000	34W	<b>HB 18716</b>	3000	10.9	L/A
		60W	<b>HB 18717</b>		10.9	L/A
		90W	<b>HB 18718</b>		10.9	L/A

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 18707SS** etc.

EMERGENCY VERSION\* - prefix catalogue number with:

**EHB** - Emergency (Not available when selecting the 'SS' suffix)

**WHB** - SmartScan (Only available when selecting the 'SS' suffix)

e.g. **WHB 18707SS** etc.

Add 0.4kg to weights listed

**UPLIGHT OPTION** - suffix catalogue number with 'UL' e.g. **HB 18707SSUL**

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

### SPECIAL LENGTHS AVAILABLE TO ORDER



Dimensions, Photometrics and Finishing Components - pages 4-5

# HI-BAR SUSPENDED/SURFACE CORNER JOINTS

Suspended versions shown

## SUSPENDED CORNERS FOR CONTINUOUS LINEAR LED LUMINAIRES



### SPECIFICATION

- Extruded aluminium body and die-cast ends finished satin white (RAL 9016)
- Supplied fitted with mitred polycarbonate TP(a) fire-retardant diffuser eliminating spread of flame in case of a building fire. Opal or low glare options
- Integral through wiring system with plug and socket, fast fit and release gear trays
- Uplight option (suspended versions only)
- Suitable for wire suspended or surface mounting (see finishing components on page 4)
- SmartScan wireless technology removes the need for control cabling between groups of luminaires
- Fitted with 4000K LEDs

## RANGE

	NOMINAL SIZE (MM)	LED	OPAL	LOW GLARE	APPROX. kg	CIRCUIT
SMARTSCAN	<b>Left-hand Corner</b>					
	750 x 750	17W	<b>HB 19210SS</b>	<b>HB 19234SS</b>	5.3	
		30W	<b>HB 19211SS</b>	<b>HB 19235SS</b>	5.3	
		45W	<b>HB 19212SS</b>	<b>HB 19236SS</b>	5.3	
	<b>Right-hand Corner</b>					
	750 x 750	17W	<b>HB 19213SS</b>	<b>HB 19237SS</b>	5.3	
30W		<b>HB 19214SS</b>	<b>HB 19238SS</b>	5.3		
45W		<b>HB 19215SS</b>	<b>HB 19239SS</b>	5.3		
STANDARD	<b>Left-hand Corner</b>					
	750 x 750	17W	<b>HB 19216</b>	<b>HB 19240</b>	5.2	L/A
		30W	<b>HB 19217</b>	<b>HB 19241</b>	5.2	L/A
		45W	<b>HB 19218</b>	<b>HB 19242</b>	5.2	L/A
	<b>Right-hand Corner</b>					
	750 x 750	17W	<b>HB 19219</b>	<b>HB 19243</b>	5.2	L/A
30W		<b>HB 19220</b>	<b>HB 19244</b>	5.2	L/A	
45W		<b>HB 19221</b>	<b>HB 19245</b>	5.2	L/A	

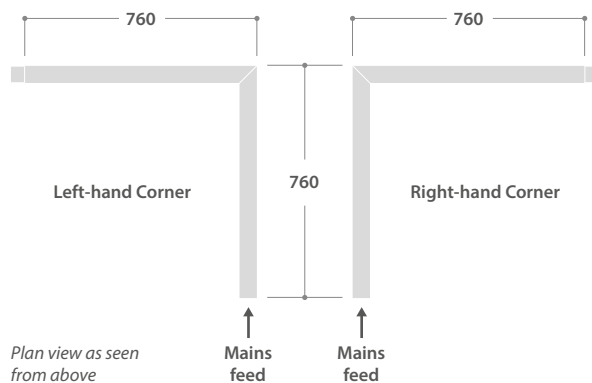
**CIRCUIT TYPE** - suffix catalogue number with:

**SMARTSCAN** SmartScan versions use wireless technology and are always suffixed **SS**

**STANDARD** L - non-dimming (LED) / A - dimming (DALI) e.g. **HB 19210SS** etc.

**UPLIGHT OPTION** - suffix catalogue number with 'UL' e.g. **HB 19210SSUL**

## DIMENSIONS



## LED CHARACTERISTICS

CRI	<b>80+</b>
COLOUR TEMPERATURE	<b>4000K</b>
RATED LIFE (HOURS)	<b>100K - L80/B10</b>
PROTECTION	<b>LUX GUARD</b>
DRIVER EFFICIENCY	<b>&gt;85%</b>
REPLACEABLE	<b>YES</b>
POWER FACTOR	<b>&gt;0.9</b>

**LL/CW** **109.5**

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

### SmartScan Configurations



Find out more at [www.thorlux.com/smartsan](http://www.thorlux.com/smartsan)

# HI-BAR SUSPENDED/SURFACE

## WIRING TIDY



Suitable for use with suspended versions the Wiring Tidy is a surface mounted, easy connect, wiring box for use on solid ceilings.

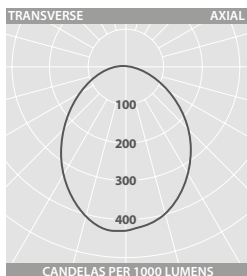


Surface mounting



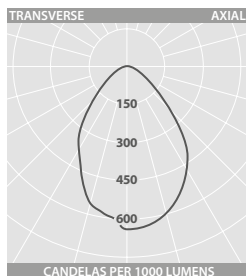
Wire suspension mounting

## PHOTOMETRIC GUIDE



### OPAL

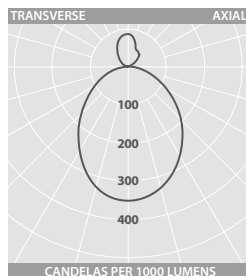
Luminaire Lumen Output:  
17W = 2190lm  
30W = 3775lm  
45W = 5455lm  
34W = 4380lm  
60W = 7550lm  
90W = 10910lm



### LOW GLARE

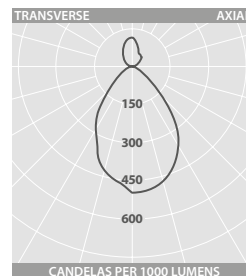
Luminaire Lumen Output:  
17W = 1725lm  
30W = 2975lm•  
45W = 4300lm•  
34W = 3450lm  
60W = 5950lm•  
90W = 8600lm•

• Exceeds EN12464-1 / LG7 3000 cd/m<sup>2</sup> limit



### OPAL WITH UPLIGHT

Luminaire Lumen Output:  
17W = 1735lm  
30W = 3015lm  
45W = 4085lm  
34W = 3470lm  
60W = 6030lm  
90W = 8170lm



### LOW GLARE WITH UPLIGHT

Luminaire Lumen Output:  
17W = 1500lm  
30W = 2600lm  
45W = 3520lm•  
34W = 3000lm  
60W = 5200lm  
90W = 7040lm•

• Exceeds EN12464-1 / LG7 3000 cd/m<sup>2</sup> limit

## FINISHING COMPONENTS

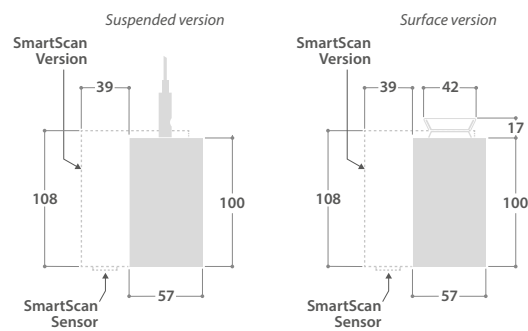
DESCRIPTION	CAT. No.	APPROX. kg
Opal cover (3500mm length)	<b>HB 18667</b>	0.60
Low glare diffuser (3000mm length)	<b>HB 18668</b>	0.60
Wire suspension kit (3m length, 1 mounting point per kit)*	<b>ZP 16415</b>	0.05
Surface mounting kit (1 mounting point per kit)*	<b>ZP 16689</b>	0.04
Suspended/surface end kit (2 ends per kit)	<b>HB 18670</b>	0.20
Surface wiring tidy	<b>LL 13361W9</b>	0.40

\* See suspension spacing graphics on page 5 for required quantities

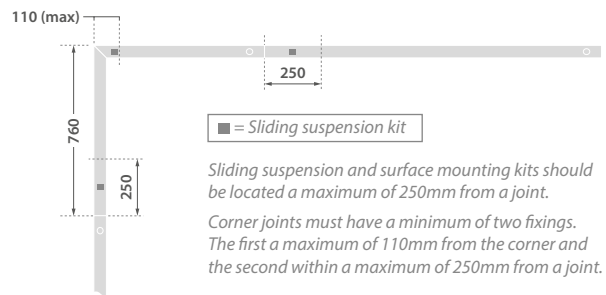
# HI-BAR SUSPENDED/SURFACE



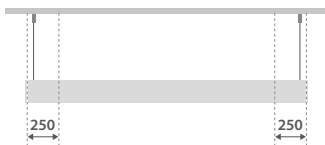
## DIMENSIONS



## CORNER JOINT SLIDING SUSPENSION

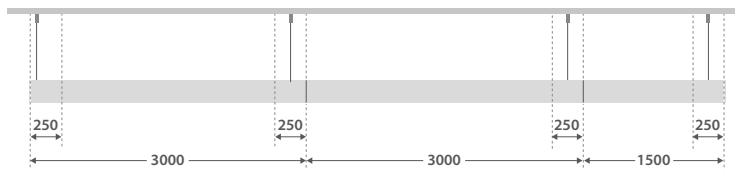


## INDIVIDUAL LUMINAIRE SLIDING SUSPENSION



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

## CONTINUOUS ROWS USING SLIDING SUSPENSION

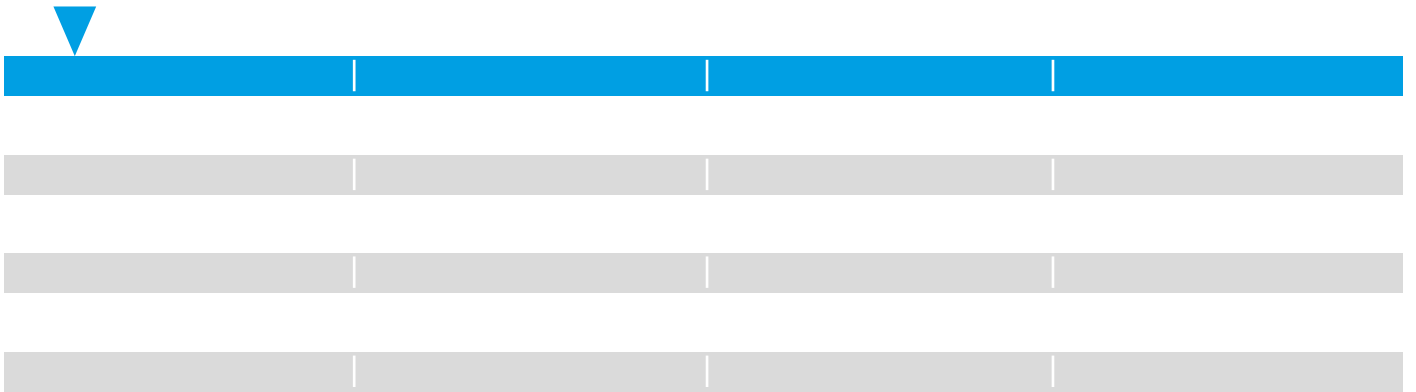


Sliding suspension kits should be located a maximum of 250mm either side of joints or from ends.

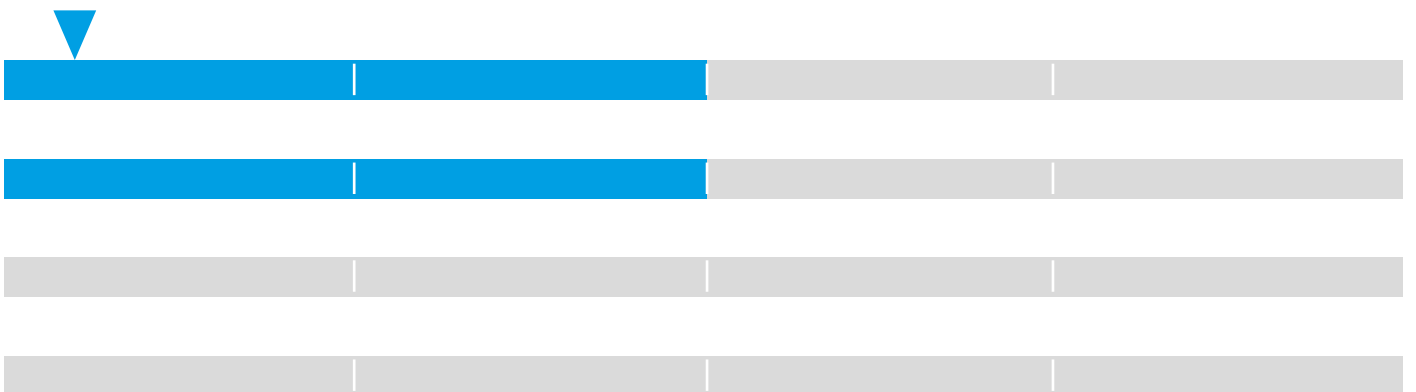
# HI-BAR GROUP CONTROL USING SMARTSCAN

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



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



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

