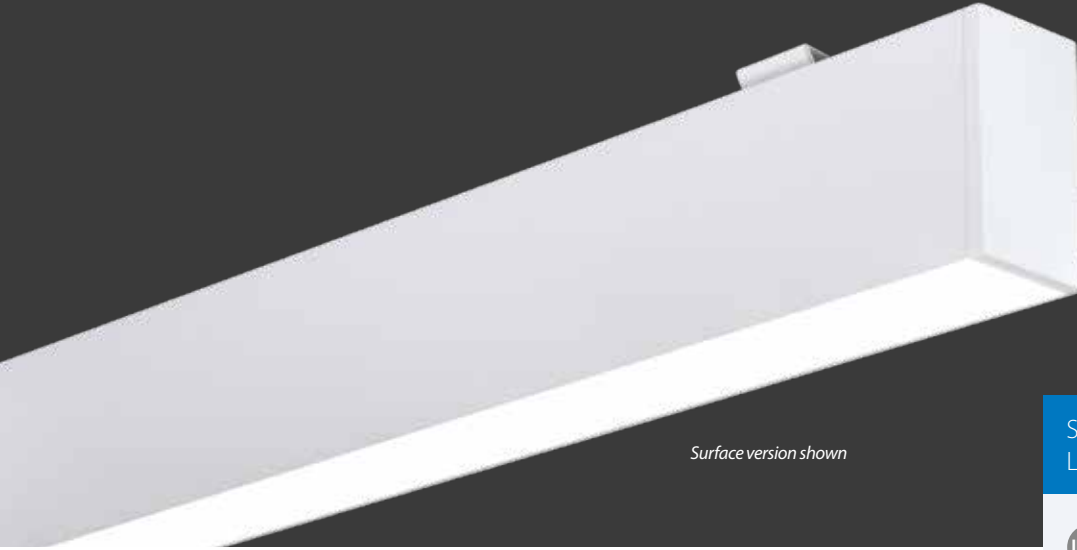# HI-BAR
SURFACE/SUSPENDED INDIVIDUAL

Surface version shown

SURFACE INDIVIDUAL LINEAR LED LUMINAIRES

IP40　UKCA　CE　LED

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
- 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

RANGE

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

SmartScan version

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

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

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

SmartScan Configurations

Find out more at **www.thorlux.com/smartscan**

Surface version shown

SURFACE CONTINUOUS LINEAR LED LUMINAIRES

IP40 · UK CA · CE · LED ·

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
- 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

SmartScan Configurations

Find out more at **www.thorlux.com/smartscan**

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

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

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

SPECIAL LENGTHS AVAILABLE TO ORDER

Dimensions, Photometrics and Finishing Components page **4**

HI-BAR
SURFACE/SUSPENDED CORNER JOINTS

Surface versions shown

SURFACE MOUNTED CORNERS FOR CONTINUOUS LINEAR LED LUMINAIRES

IP40 · UKCA · CE · LED · ▢

RANGE

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

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
- 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
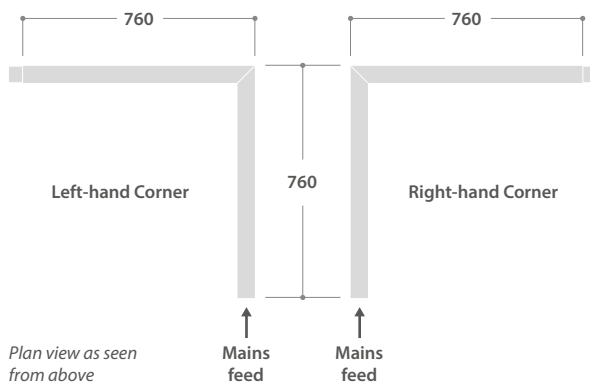- Fitted with 4000K LEDs

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

SmartScan Configurations

Find out more at **www.thorlux.com/smartscan**

DIMENSIONS

| 760 | | 760 |

Left-hand Corner   760   **Right-hand Corner**

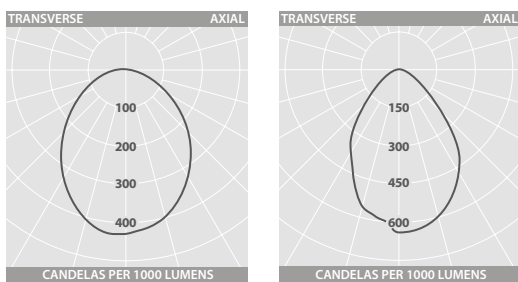*Plan view as seen from above*   **Mains feed**   **Mains feed**

WIRING TIDY

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

34

83   155

Surface mounting

Wire suspension mounting

PHOTOMETRIC GUIDE

TRANSVERSE   AXIAL

100
200
300
400

CANDELAS PER 1000 LUMENS
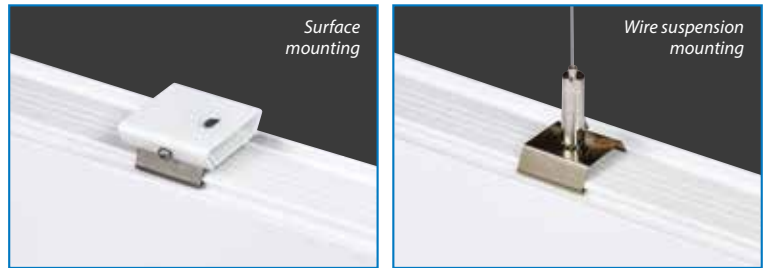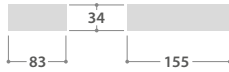
OPAL

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

TRANSVERSE   AXIAL

150
300
450
600

CANDELAS PER 1000 LUMENS

LOW GLARE

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

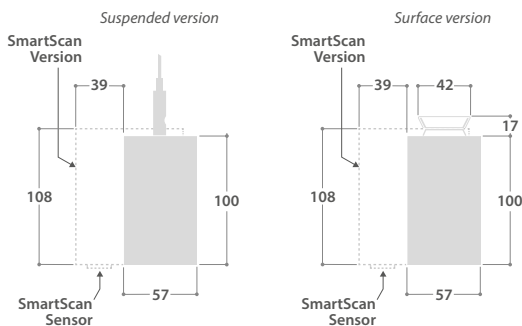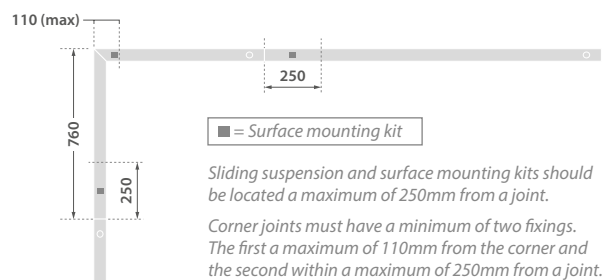● *Exceeds LG7:2015 3000 cd/m² limit*

FINISHING COMPONENTS

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

* See fixing location graphics below for required quantities

DIMENSIONS

Suspended version

SmartScan Version

39
108
100
57

SmartScan Sensor

Surface version

SmartScan Version

39   42
17
108
100
57

SmartScan Sensor

CORNER JOINT FIXING LOCATIONS

110 (max)
250
760
250

■ = *Surface mounting kit*

Sliding suspension and surface mounting kits should be located a maximum of 250mm from a joint.

Corner joints must have a minimum of two fixings. The first a maximum of 110mm from the corner and the second within a maximum of 250mm from a joint.

INDIVIDUAL LUMINAIRE FIXING LOCATIONS

250   250

Surface mounting kits should be located a maximum of 250mm from either end.

CONTINUOUS LUMINAIRE FIXING LOCATIONS

250   250   250   250
3000   3000   1500

*Surface mounting kits should be located a maximum of 250mm either side of joints or from ends.*

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
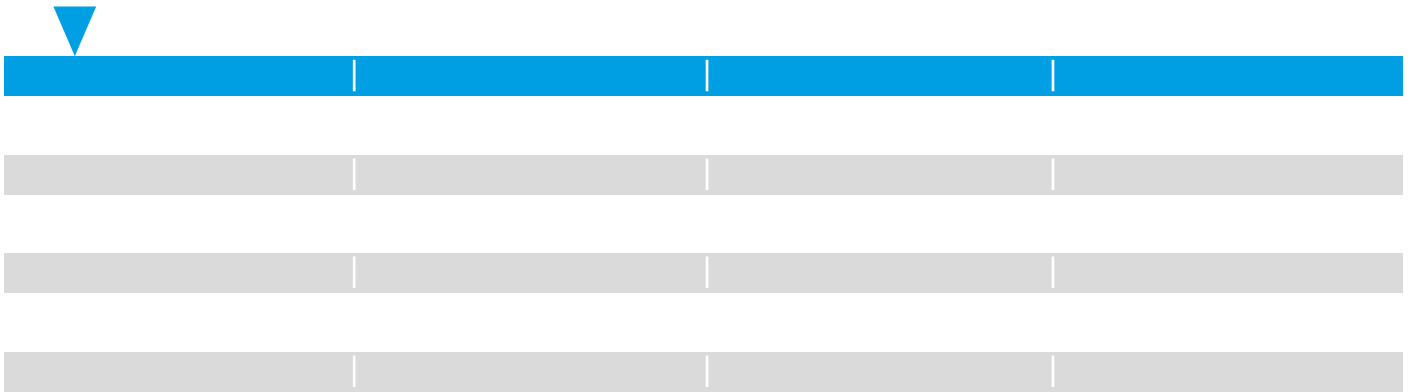
Example 2 - Along and across rows of recessed, surface or suspended continuous or individual luminaires
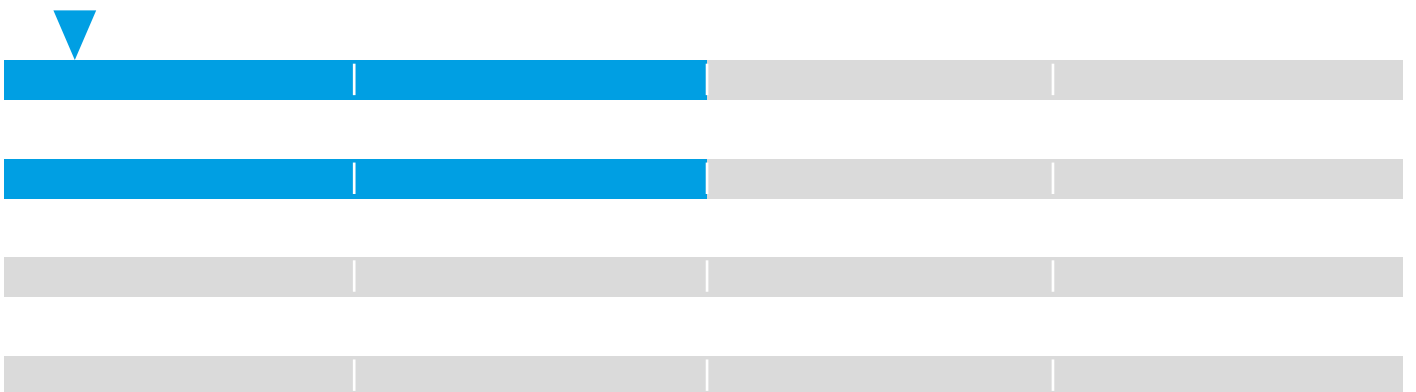
Example 3 - Across rows of recessed, surface or suspended continuous or individual luminaires