

## Base LED Junior and Base LED

The 11.5W Base LED Junior gives ten times the life yet saves 75% of the power used by 50W halogen lamps

It is specially designed for small-scale downlighting jobs, particularly where long-burning hours are needed, and is ideal for commercial, educational or hospitality lighting where low operating costs are important.

### Save energy and reduce maintenance

- 75% energy saving vs 50W halogen lamp
- High efficacy - max. 57 lm/W
- LED life is on average an amazing 50,000 hours (L70) - 10 times longer than the halogen lamps
- Trailing edge dimmable

### Improve quality

- Superior colour rendering (Ra >92), close to incandescent lamps
- Utilises Cree TrueWhite® technology for consistent colour temperature over the whole lifetime. Each downlight is calibrated to 3000K (warm white)
- Splash proof as standard (IP44)
- Instant light



### Protect the environment

- Full aluminium body
- Almost zero UV/IR emission
- No mercury



### Application performance for a square room

Based on: 4 x 4m space, installation height 2.8m, maintenance factor 0.8

Requirement (lux)	Product	Qty (pcs)	Total power (W)	W/m <sup>2</sup>	W/m <sup>2</sup> /100lux
200	50W halogen	9	450	28.1	12.1
<b>200</b>	<b>BaseLED Jnr H</b>	<b>9</b>	<b>103.5</b>	<b>6.5</b>	<b>2.6</b>



### Application performance for a corridor

Based on: 10 x 1.8m space, installation height 2.8m, maintenance factor 0.8

Requirement (lux)	Product	Qty (pcs)	Total power (W)	W/m <sup>2</sup>	W/m <sup>2</sup> /100lux
150	50W halogen	9	450	25	11.2
<b>150</b>	<b>BaseLED Jnr H</b>	<b>9</b>	<b>103.5</b>	<b>5.75</b>	<b>3.1</b>

## Base LED Junior

### Materials/Finish

Housing: aluminium  
Reflector: one piece high purity aluminium  
Diffuser: polycarbonate

### Installation/Mounting

Suitable for recessed ceiling mounting, installation via rubber protected retaining springs in ceilings with 0.7-20 mm thickness.

Cut out dimensions L: suitable from a range of 80-95 mm

Cut out dimensions H: suitable from a range of 90-100 mm

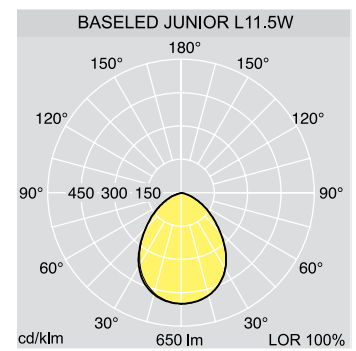
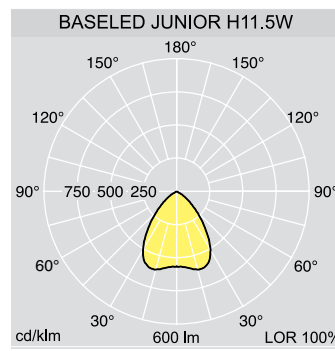
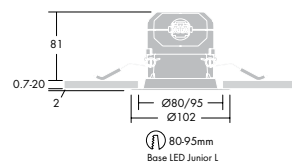
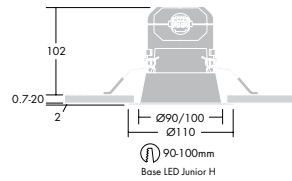
Electrical connection via 3x1.5mm<sup>2</sup> tool less terminal block.

Loop-in, loop-out possible with 2x3x0.75 mm<sup>2</sup>.

### Specification

To specify state:  
Recessed LED-downlight, colour temperature 3000K, trailing edge dimmable. Supplied with active colour temperature management.

As Thorn Base LED Junior.



### Ordering Guide Supplied complete with LEDs.

Description	Weight (kg)	SAP Code
BASE LED JUNIOR 100 L 11,5W LED L930 230V	0.4	96108356
BASE LED JUNIOR 100 H 11,5W LED L930 230V	0.4	96108358
<b>Base LED Junior Dimming Device</b>		
PDAS 1000VA	0.4	22154306
PDAX 500VA	0.2	22154307

H - deep recessed version, L - shallow version,  
L930 - delivered including pre-installed LED-modul with active colour management (3000K, CRI>90)

## Base LED 650/1000

### Materials/Finish

Luminaire: die-cast aluminium body with bezel matt white finish and integral/remote driver unit. White decorative bezels of injection moulded PC with active inner ring surface in white (WHI), satin silver (RSB) or mirror bright (RMB).

### Installation/Mounting

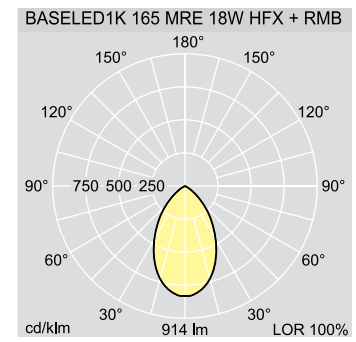
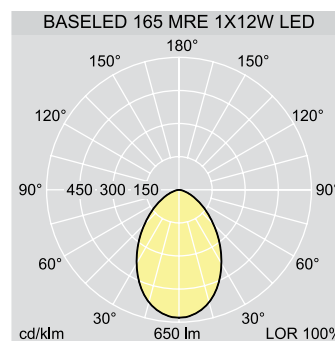
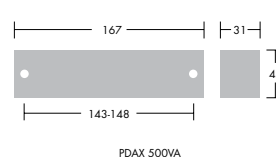
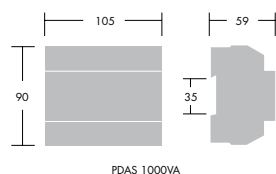
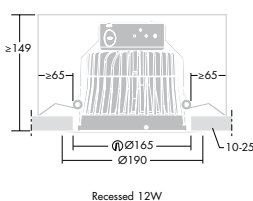
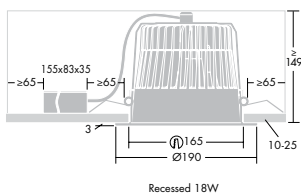
Recessed version held in place via two rubber sleeved spring clips; for ceiling thickness between 10-25mm; featuring integral/remote driver with terminal for max. 2x3x1.5mm<sup>2</sup> / 2x5x1.5mm<sup>2</sup> (loop-in, loop-out). Cut-out: Ø165mm.

Decorative bezel accessories snap easily into place. Surface version mounted to the housing with a twist lock bracket.

### Specification

To specify state:  
High colour rendering LED downlight, recessed or ceiling mounted, features 12W LED light engine (True White™ technology) with integral driver, choice of CCT 2700K or 3500K at R<sub>a</sub> 94, housing of pressure die-cast aluminium with integral heat sink, bezel matt white finish, for ceiling thickness 10-25mm, held in place by 2 rubber sleeved spring clips, 165mm ceiling cut out, features phase cut dim option using common incandescent or electronic dimming devices.  
As Thorn Base LED 650.

High colour rendering LED downlight, recessed or ceiling mounted, features 18W LED light engine (True White™ technology) with remote driver, choice of CCT 2700K or 3500K at R<sub>a</sub> 92, housing of pressure die-cast aluminium with integral heat sink, bezel matt white finish, for ceiling thickness 10-25mm, held in place by 2 rubber sleeved spring clips, 165mm ceiling cut out, features DALI control as well as switch-dim and corridor function option.  
As Thorn Base LED 1000.



### Ordering Guide Supplied complete with LEDs

Description	Weight (kg)	SAP Code
<b>Base LED 1000 Recessed, DALI/SwitchDim</b>		
BASELED1K 165 MRE 18W LED L927 HFX	1.5	96107983
BASELED1K 165 MRE 18W LED L935 HFX	1.5	96107984
<b>Base LED 1000 Surface mounted, DALI/SwitchDim</b>		
BASELED1K 165 MCE 18W LED L927 HFX	2.3	96107987
BASELED1K 165 MCE 18W LED L935 HFX	2.3	96107988
<b>Base LED 1000 Accessories</b>		
BASELED1K 165 WHI BEZELRING WHI	0.1	96107993
BASELED1K 165 WHI BEZELRING RSB	0.1	96107994
BASELED1K 165 WHI BEZELRING RMB	0.1	96107995
<b>Base LED 650 Recessed</b>		
BASELED 165 MRE 1X12W LED L927	1.3	96107294
BASELED 165 MCE 1X12W LED L935	1.3	96107303
<b>Base LED 650 Surface mounted</b>		
BASELED 165 MCE 1X12W LED L927	2.2	96107308
BASELED 165 MCE 1X12W LED L935	2.2	96107310
<b>Base LED 650 Dimming Device</b>		
PDAS 1000VA	0.4	22154306
PDAX 500VA	0.2	22154307
<b>Base LED 650 Accessories*</b>		
BASELED1K 165 WHI BEZELRING WHI	0.1	96107393
BASELED1K 165 WHI BEZELRING RSB	0.1	96107394
<b>Base LED 650/1000 Remote Emergency Kit</b>		
BASELED 22 MRE 1X3W LED E3NMR	1.3	96107359

\*Standard products supplied with integral white bezel.  
927/930/935 - colour temperature 2700/3000/3500K, colour rendering index > 90  
WHI - white, RSB - satinbrite reflector, RMB - mirrorbrite reflector, MRE - recessed mounting,  
MCE - ceiling mounted, HFX - DALI digital dimmable ballast, 230V - ready for mains connection