

THORN

Lopak II

A low bay luminaire that's easy to install and outstanding in optical performance



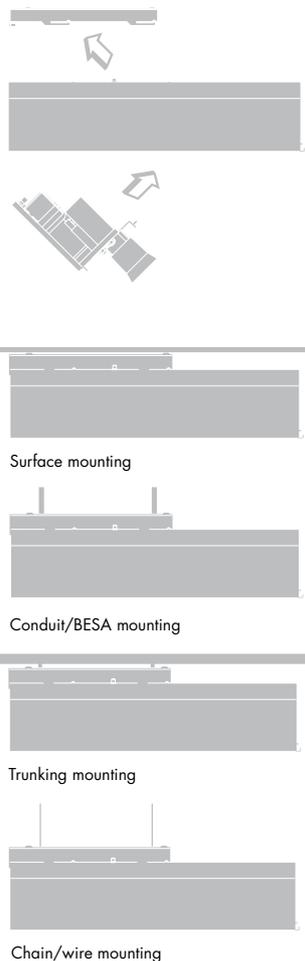
Lopak II is a robust low bay luminaire that is versatile for mounting heights over 5m, in a wide range of applications including factories, warehousing and retail



Installation

Compact and lightweight allows single person installation.

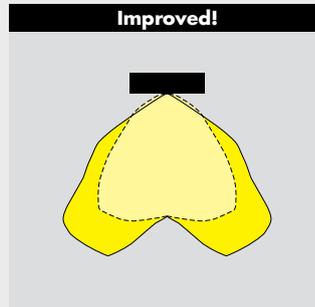
1. Secure the separate quick fix bracket to the desired mounting format
2. Simply slot the empty body to the bracket and secure by a locking screw
3. Hinge the gear tray with lamp holder into position and allow to hang
4. Connect mains supply to the screw terminal block
5. Swing gear into final position and secure with retained screws
6. Flex reflector into position and fit lamp
7. Complete installation by fixing optional tool free attachments



Features and Benefits



Miniature quick fix bracket (detachable)
Lightweight, easy to handle allows body to slot 'problem free' into place for rapid installation



High performance reflector
Gives up to 20% more light output than its predecessor, thereby reducing the total number of luminaires required and the amount of power consumed in any scheme



Spring clip
Tool free attachments (installation/removal) fix securely into place



Hinged gear tray (detachable)
Provides quick terminal block access during installation and maintenance



Timed ignitors
Protects control gear from damage by preventing discharge lamps from cycling (on/off) at the end of life

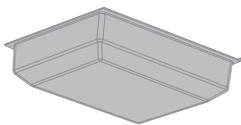


Snap-in reflectors
No performance compromise - avoids reflectors becoming scratched during handling

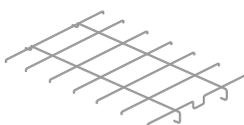


Auxiliary lamp
Provides instant light during main lamp warm up (now integral)

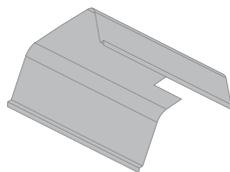
Choice of attachments and reflectors - Tailored to meet individual application needs



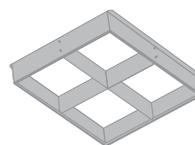
Polycarbonate cover
Protects lamp and keeps dust from reflector



Wire guard
Ideal for lamp protection from impacts or projectiles



Rack reflector
Provides narrow light distribution, ideal for high racking areas



Baffle
Ideal for areas where enhanced glare control is required

Product Features

Lamps

- 250/400W HST (ST) high pressure sodium. Cap: E40
- 250/400W HIT (MT) metal halide. Cap: E40

Materials/Finish

Body/Quick fix bracket/Gear tray: Mild steel, white powder coated finish
 Reflectors: Satinbrite aluminium
 Spring clip: Zinc plated mild steel spring wire
 Covers: Toughened safety glass or polycarbonate

Installation/Mounting

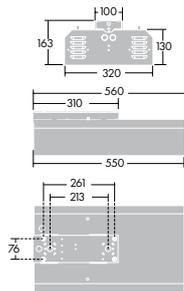
Suitable for surface, trunking, chain, wire, conduit or BESA box mounting. All suspended options will automatically balance on two point fixings. For trunking or conduit fixing use 20mm BESA holes (213mm centres). Cable entry via 20mm holes. Terminal block suitable for 4mm² cables. Halogen free internal wiring.

Standards

Designed and manufactured to comply with EN60598
 Class I Electrical
 850°C glow wire test
 IK07 (2 joules) with glass cover kit
 IK08 (5 joules) wire guard with glass cover kit
 IP20

Specification

To specify state: A shallow discharge low bay luminaire for 250/400W HIT/HST lamps, with a choice of wide, asymmetric or narrow reflectors giving LOR > 80%, detachable quick fix bracket and gear tray, 4mm² terminal block. As Thorn Lopak II.



Ordering Guide

Lamp(s) to be ordered separately. All versions supplied with safety glass cover and timed ignitors.

Description	Ilcos Code	Socket	Weight Kg	Sap Code
Wide reflector				
LOPAK II 1X400W HIT/HST BI WD IP20 L000	MT/ST	E40	8.6	96236911
LOPAK II 1X250W HIT/HST BI WD IP20 L000	MT/ST	E40	8.0	96236912
Asymmetric reflector				
LOPAK II 1X400W HIT/HST BI AS IP20 L000	MT/ST	E40	8.6	96236913
LOPAK II 1X250W HIT/HST BI AS IP20 L000	MT/ST	E40	8.0	96236914
Wide reflector with auxiliary option				
LOPAK II 1X400W HIT/HST BI AUX WD IP20 L000	MT/ST	E40	8.9	96236915
LOPAK II 1X250W HIT/HST BI AUX WD IP20 L000	MT/ST	E40	8.2	96236916
Attachments				
LOPAK II KIT WG L	Wire guard		0.4	96236941
LOPAK II KIT RRK	High rack reflector		0.2	96236937
LOPAK II KIT ESH CL PC	Shallow clear polycarbonate cover		0.5	96236939
LOPAK II KIT WB	Baffle		0.5	96236940

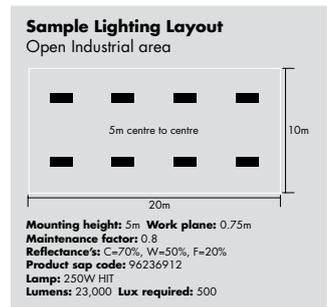
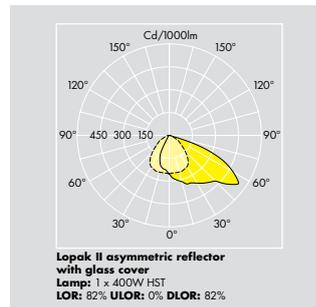
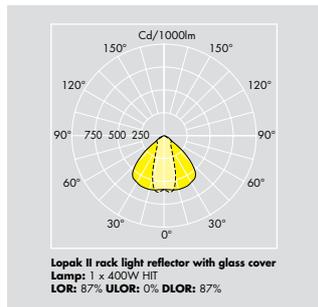
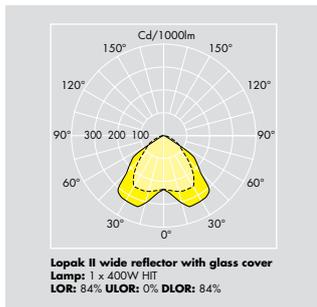
Only suitable for tubular shaped lamps
 Auxiliary lamp versions operate a 150W single ended E27 jacketed tungsten halogen lamp (not supplied)
 WD - Wide reflector, AS - Asymmetric reflector, BI - Timed ignitor, AUX - Auxiliary lamp, WG L - Wire guard, RRK - Rack reflector, ESH - Shallow bowl, CL - Clear, PC - Polycarbonate, WB - Baffle

Attachments Compatibility Table

The rack reflector accessory (RRK) is designed to replace the supplied wide reflector to give a narrow light distribution. The asymmetric reflector versions are not suitable for use with the rack (RRK) reflector, baffle or plastic cover attachments.

Version	On its own...				Safety glass cover with...			Wire guard with...		Plastic cover with...			Baffle with...			
	COVER GL	WG L	ESH CL PC	WB	WG L	ESH CL PC	WB	ESH CL PC	WB	COVER GL	WB	COVER GL	WG L	COVER GL	WG L	ESH CL PC
400W HIT	✓*	x	x	x	✓*	✓*	✓*	x	x	✓*	x	✓*	x	✓*	x	x
250W HIT	✓*	x	x	x	✓*	✓*	✓*	x	x	✓*	x	✓*	x	✓*	x	x
400W HST	✓	✓	✓	✓	✓	✓	✓	x	x	✓	x	✓	x	✓	x	x
250W HST	✓	✓	✓	✓	✓	✓	✓	x	x	✓	x	✓	x	✓	x	x

*It is essential the glass cover kit is **always** used. GL - Glass, WG L - Wire guard, ESH - Shallow bowl, CL - Clear, PC - Polycarbonate, WB - Baffle

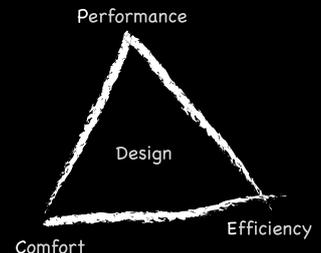


**pending



Performance, Efficiency and Comfort (PEC) – for a better lit environment

Lopak II evokes the spirit of Thorn Lighting's dynamic, results-orientated PEC programme.



The programme is based on the principle that Performance, Efficiency and Comfort determine the effectiveness of lighting, its impact on the people using it, and its impact on the natural environment. Lopak II delivers the right light on the right place at the right time.

Performance: providing the best visual effectiveness

- Batwing distribution gives vertical illumination, ensuring good modelling of the task to reveal features and patterns, as well as allowing wider luminaire spacing
- Narrow distribution 'racking' optic is specially designed for high racking applications that need focused light, improving clarity for quicker completion of operations with fewer mistakes
- Asymmetric distribution offers vertical illumination and the ability to place the luminaire outside the task area for easier maintenance access

Efficiency: conserving energy and effort, reducing CO₂ emissions and waste, providing lighting that is practical and efficient to install, operate and maintain.

- High optical efficiency reduces the number of luminaires required and therefore the total amount of power consumed
- A selection of attachments ensure the product is fit for purpose for different applications
- Rapid single person installation saves time and cost
- Timed 'fail safe' ignitors and thermally protected ballasts ensure safe and longer life operation

Comfort: Giving people satisfaction and stimulation

- A choice of lamp technologies combined with a range of attachments helps to create the most appropriate ambience and atmosphere within the space
- Optional integral auxiliary lamp ensures good light levels at all times, providing a safe and reassuring work environment

THORN

Lighting people and places

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