

New Product from Energy Saving Lighting

LHB- Fluorescent High Bay

YES IT'S A HIGH BAY



ESL's new fluorescent High Bay range offers substantial energy savings over conventional HID lighting systems. They utilise multiple 54w high output T5 fluorescent lamps and in addition to the energy savings, offer the following other features & benefits –

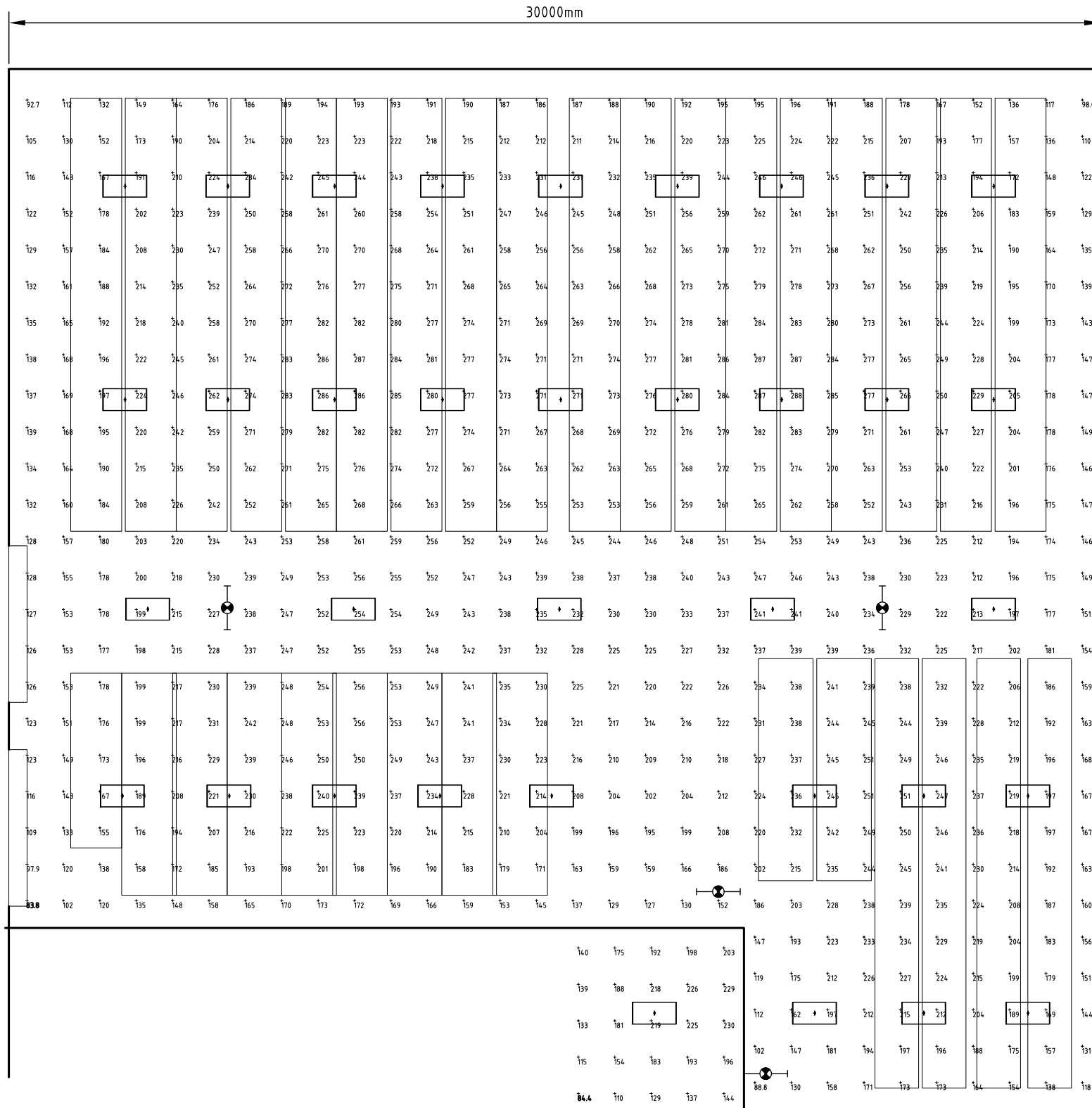
- Better maintained light levels
- Up to double the lamp life and therefore a reduced need for maintenance.
- Improved colour rendering
- Improved lighting uniformity
- Suitable for use in environments up to 65 degrees C.
- Approx. 8% upward light component
- Very High light output
- Wire guard attachments
- Acrylic Lens
- Very low Mercury content compared to HID.
- A range of mounting options

The LHB series offers a suitable alternative for most existing High Bay applications including Warehouses, Factories, Gymnasiums, Schools, etc

Energy Savings of up to 50% are achieved when compared to existing 400w Mercury Vapour systems.



For more information contact ESL on 07 3440 5000
or visit our web site www.esllighting.com.au



Luminaire Schedule					
Symbol	Label	Qty	Description	Lumens	LLF
•	HB-428T5	35	ESL LIGHTING HB-454T5-G-UNV-EBT1 4x28W T5 FLUORESCENT HIGHBAY	2600	0.730
⊕	EM1	4	ESL LIGHTING NXAWF136E-NM 1x36W NON-MAINTAINED EMERGENCY LIGHT (ENCLOSED W-PROOF BODY)	1	N/A

Calculation Summary							
Label	Units	Avg	Max	Min	Min/Avg	Min/Max	CalcType
MEZZANINE LEVEL	Lux	173.58	230	84.4	0.49	0.37	Illuminance
WAREHOUSE 2 (Floor)	Lux	218.24	288	83.8	0.38	0.29	Illuminance

NOTES:

THIS DESIGN MEETS OR EXCEEDS THE RELEVANT ILLUMINANCE VALUES AND UNIFORMITY RECOMMENDED IN AS1680.1:2006 FOR A GENERAL LIGHTING SYSTEM.

THE VALUES SHOWN ARE HORIZONTAL MAINTENANCE ILLUMINANCE AT FINISHED FLOOR LEVEL, BASED ON EMPTY RACKING.

SURFACE REFLECTANCES ASSUMED: CEILING 50% WALLS 30% FLOOR 10%.

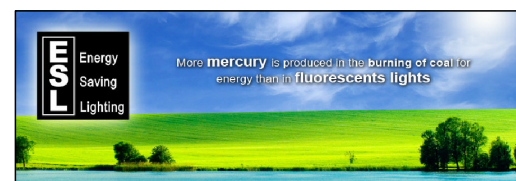
CALCULATIONS ARE SUBJECT TO ACCURACIES AND TOLERANCES NOMINATED IN AUSTRALIAN AND NEW ZEALAND STANDARDS AS/NZS 3827.1:1998 AND AS/NZS 3827.2:1998.

INDICATIVE LOCATIONS FOR EMERGENCY LIGHTING TO AS2293 ARE SHOWN. LOCAL AUTHORITY CERTIFICATION IS TO BE OBTAINED PRIOR TO INSTALLATION.

THIS DRAWING WAS REPRODUCED FROM A RASTER IMAGE - CONFIRM ALL DIMENSIONS.

Rev.	Date	Drn.	Description	Chkd.

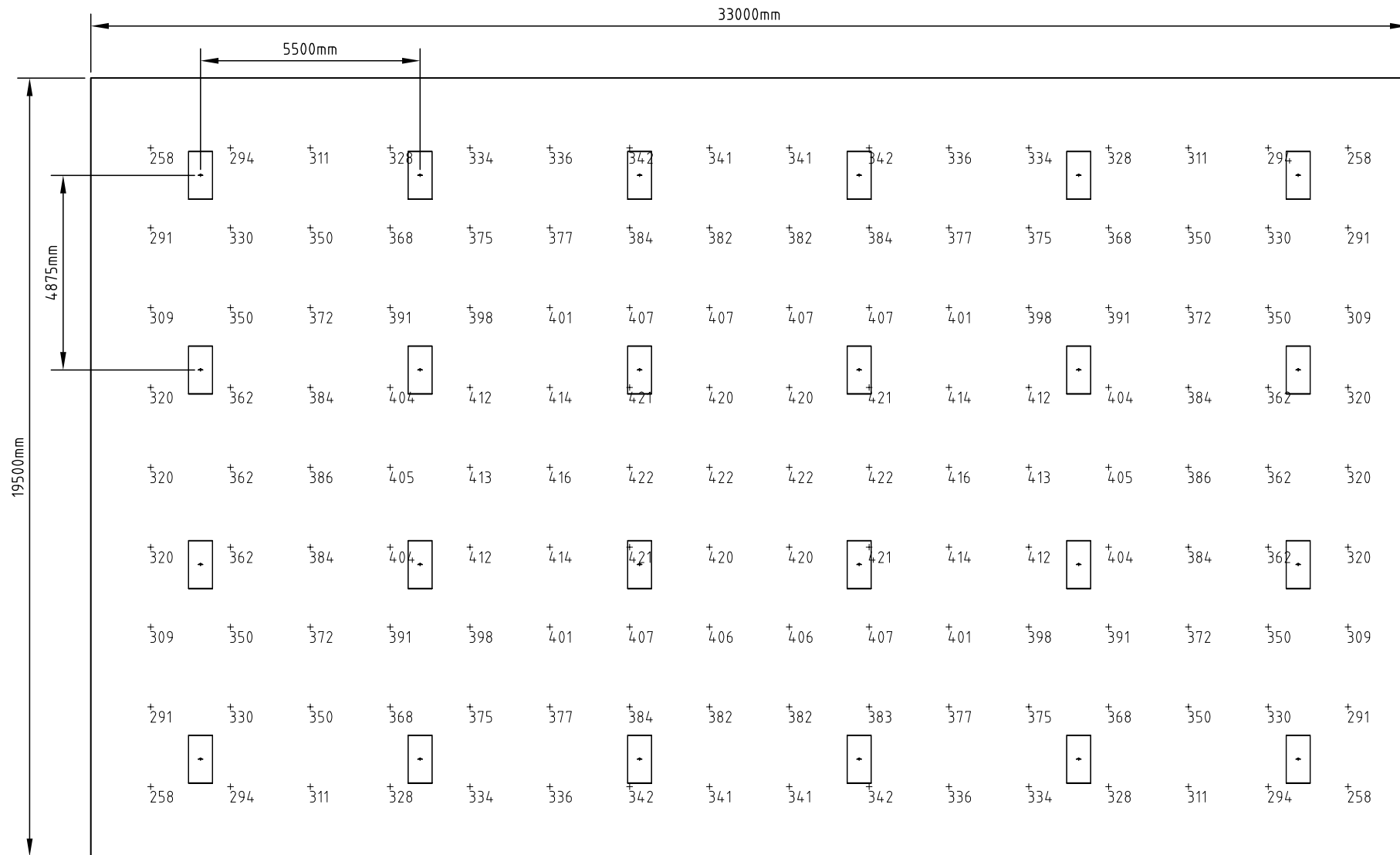
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Project: **SANITARIUM MOOROOKA WAREHOUSE 2**

Title: **ELECTRICAL SERVICES PROPOSED HIGHBAY RACK LIGHTING**

Drawn: SAF	Check: SAF	Date: 30/11/09
Scale: 1:150 @ A3		
Drawing No. 0603-E01	Rev	Size A3



Luminaire Schedule					
Symbol	Label	Qty	Description	Lumens	LLF
[Symbol]	H1	24	ESL LIGHTING HB-454T5-G-UNV-EBT1 4x54W T5 FLUORESCENT HIGHBAY	4400	0.730

Calculation Summary							
Label	Units	Avg	Max	Min	Min/Avg	Min/Max	CalcType
MULTIPURPOSE HALL 1m AFFL	Lux	365.15	422	258	0.71	0.61	Illuminance

NOTES:

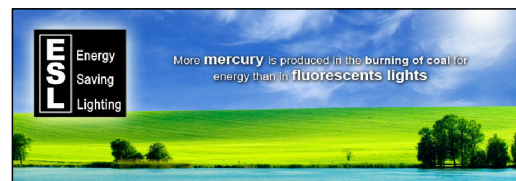
THIS DESIGN MEETS OR EXCEEDS THE RELEVANT ILLUMINANCE VALUES AND UNIFORMITY RECOMMENDED IN AS2560.2.2-1986 (LIGHTING FOR INDOOR MULTIPURPOSE SPORTS HALLS) THE VALUES SHOWN ARE HORIZONTAL MAINTENANCE ILLUMINANCE 1m ABOVE FINISHED FLOOR LEVEL.

SURFACE REFLECTANCES ASSUMED: CEILING 80% WALLS 50% FLOOR 20%.

CALCULATIONS ARE SUBJECT TO ACCURACIES AND TOLERANCES NOMINATED IN AUSTRALIAN AND NEW ZEALAND STANDARDS AS/NZS 3827.1:1998 AND AS/NZS 3827.2:1998.

Rev.	Date	Drn.	Description	Chkd.

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Project: MULTIPURPOSE HALL

Title: ELECTRICAL SERVICES PROPOSED LIGHTING 4x54W T5 HIGHBAY

Drawn: SAF	Check: SAF	Date: 30/11/09
Scale: 1:150 @ A3		
Drawing No. 0614-E01	Rev	Size A3

Linear Highbay

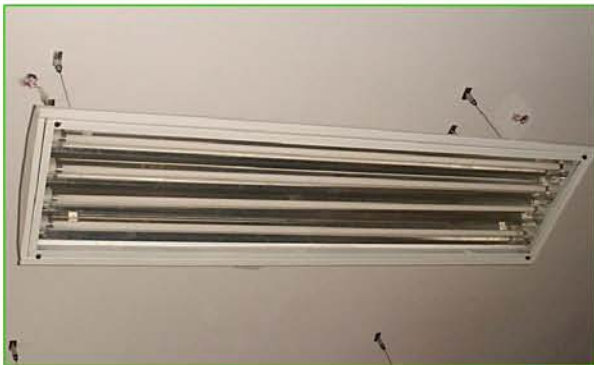
The **LHB series** is high efficiency T5 fixture for cost effective lighting of medium and high bay warehouses, manufacturing plants and retail applications. The LHB is Equipped with high quality electronic components. The LHB series can be chained or wire suspended comes with white hinged door frame with acrylic lens.

Options

Wire guard

Applications

Warehouses, Ideal for lighting aisles, retail



Model	Wattage	Length	Col Temp (k)
LHB428T5	4X28W	1240X620X85	4200
LHB454T5	4x54W	1240X620X85	4200
LHB-WG	Wire Guard		
LHB-SK	Suspension Kit Wire 1.2m		