



NOTE

THIS DRAWING IS INTENDED TO CONVEY THE DESIGN CONCEPT ONLY. IT IS EXPECTED THAT THE DESIGN WILL BE FURTHER DEVELOPED.

THIS DESIGN IS BASED ON THE LIMITED INFORMATION PROVIDED AND MUST BE REVIEWED AND INTEGRATED INTO THE BUILDING DESIGN BY THE ELECTRICAL ENGINEER AND ELECTRICAL CONTRACTOR,

ILLUMINATION AND LIGHTING UNIFORMITY HAS BEEN DESIGNED TO COMPLY WITH THE RELEVANT SECTIONS OF AS1680, AS1680.2.1:2008 CIRCULATION SPACES.

THE ILLUMINATION VALUES SHOWN ARE HORIZONTAL MAINTAINED AT FLOOR LEVEL.

- THE LIGHT LOSS FACTOR USED WAS CALCULATED TO COMPLY WITH AS1680.4:2001
- CLEANING OF LUMINAIRES AND ROOM SURFACES IN A NORMAL ENVIRONMENT EVERY 24 MONTHS.
 - L70 LED OUTPUT (50,000 HOURS APPROX)
 - SPOT REPLACEMENT OF FAILED LAMPS

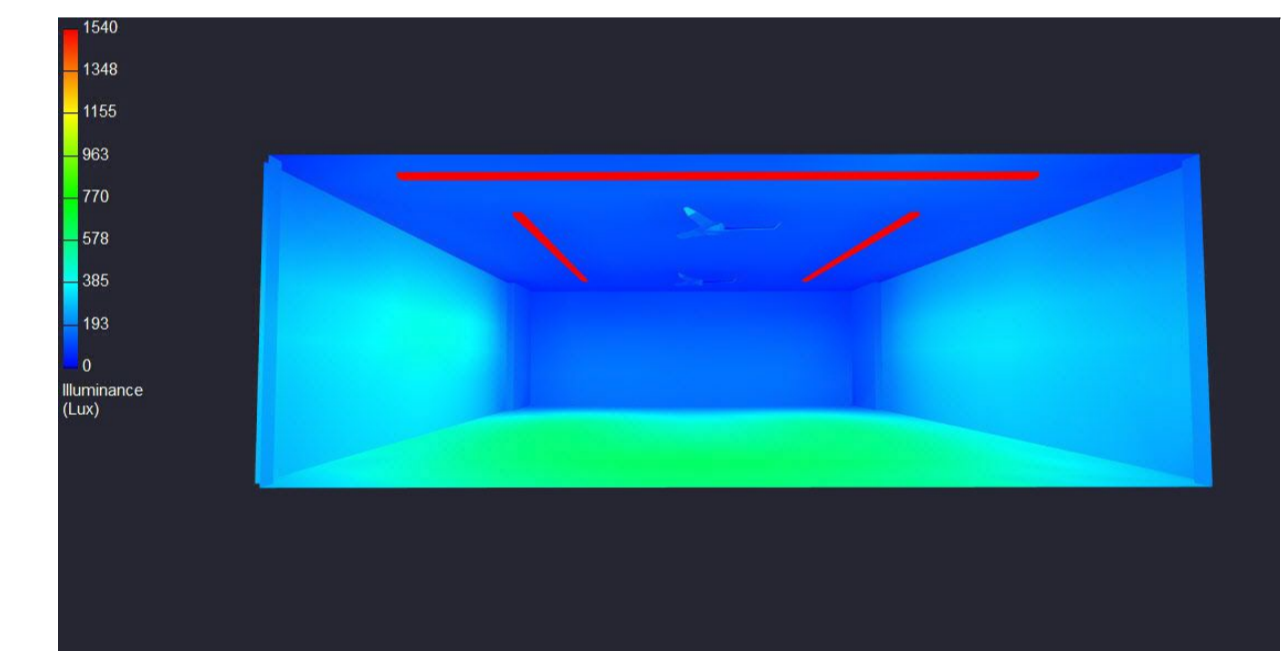
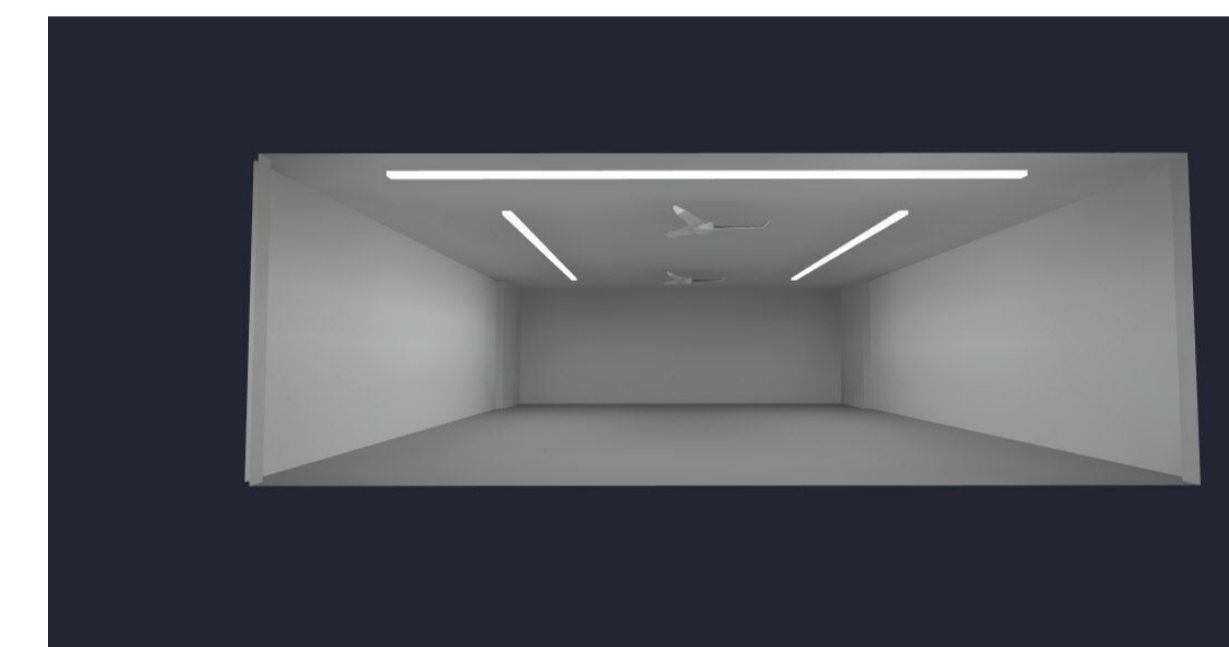
TOTAL ILLUMINATION POWER DENSITY DOES NOT EXCEED THE MAXIMUM VALUES NOMINATED IN SECTION J6 OF THE BUILDING CODE OF AUSTRALIA.

COMPLIANCE WITH SPILL LIGHT AUSTRALIAN STANDARD AS4282 HAS NOT BEEN EVALUATED,

COMPLIANCE WITH THE EMERGENCY AND EXIT SIGN AUSTRALIAN STANDARD AS2293 HAS NOT BEEN EVALUATED.

PHOTOMETRIC DATA SUPPLIED BY MANUFACTURER. LIGHTING CALCULATION SOFTWARE USED IS AGI32.

PLEASE ENSURE LIGHTING LEVELS ARE AS EXPECTED.



RAND Lighting Services provides this calculation "as is" without representation or warranty of any kind. The company shall be under no liability to the customer for failure to attain such figures, unless the performance of the goods is specifically guaranteed in writing and any such written guarantee shall be subject to recognised manufacturing variations and tolerances applicable to the goods.

This calculation is based upon specified parameters supplied by the client, and other design inputs assumed by us, as detailed in this document.

In practice, there may be variations due to differences in as - installed luminaire positioning, room surface reflectance, supply voltage, photometric tolerances etc and normally accepted uncertainties.

RAND Lighting Services reserves the right to modify the lighting scheme if relevant information subsequently becomes available.

| Luminaire Schedule | | | | | | |
|--------------------|-----|-------|-------------|-------------------|-------|--|
| Symbol | Qty | Label | Arrangement | Total Lamp Lumens | LLF | Description |
| | 32 | R1 | SINGLE | 4373.15 | 0.630 | HJR - BASIC Linear 4400lm/w Recessed LED Extrusion |

| Calculation Summary | | | | | | | |
|---------------------|-------------|-------|--------|-------|-------|---------|---------|
| Label | CalcType | Units | Avg | Max | Min | Min/Avg | Min/Max |
| Concourse_Workplane | Illuminance | Lux | 275.24 | 399.2 | 172.8 | 0.63 | 0.43 |
| GPLA_Workplane | Illuminance | Lux | 463.27 | 744.7 | 111.2 | 0.24 | 0.15 |

| LPD Area Summary | | | |
|------------------|-------|-------------|-------|
| Label | Area | Total Watts | LPD |
| Concourse_LP | 42.93 | 177.24 | 4.129 |
| GPLA_LP | 76.36 | 443.1001 | 5.803 |

Project: **OXFORD FALLS GRAMMAR SCHOOL**

Client: **HJR LIGHTING MENANGLE STREET PICTON NSW**



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|---|---------------------------------|--------------------------|
| Project No. QE17717 | Quote No | Date 19TH AUGUST 2017 |
| Drawing No. 1705 CEILING PLAN L3 171710 | Designed By: Robert Anderson | |
| Revision No. | File: | |