

NEXUS

- High quality rigid steel body
- High thermal conductivity aluminium heatsink
- Luminaire suitable for 15mm & 24mm exposed T-grid system
- Resilient white and anodised aluminium
- Dimming options include *iDrive*® DALI+, 1-10V, mains dimming
- High efficiency >75lm/W and PFC up to 0.98 max



Product Overview

The innovative NEXUS range of recessed LED ceiling tiles provides economical high quality LED replacement units for traditional fluorescent lighting systems where 15mm or 24mm exposed T-bar ceilings are used. Available in 300x300mm, 600x600mm or 1200x600mm size formats, the NEXUS range utilises Serenity's patented non-imaging optical technology to reduce glare, increase luminaire efficiency and provide industry leading homogenous illumination.

The NEXUS 3400 at 41W provides 3400 lumens and the NEXUS 6800 at 82W provides 6800 lumens at the light engine at 4000K. In addition, the NEXUS range offers static CCT options from 2700K to 5500K and patented controllable CCT models that enables a smart controller to set the exact CCT of the fixture using integrated colour measurement sensors.

Applications

- Offices
- Schools
- Retail Outlets
- Factory Units
- Restaurants
- Public Houses
- Commercial

Serenity Lighting

Suite 5, Birch House
Birch Lane Business Park, Birch Lane
Aldridge
West Midlands
WS9 0NF
United Kingdom

Tel: +44 (0) 1922 457 712

Email: sales@serenitylighting.co.uk

Product Selection Table

| | | | | | | |
|----------|----------------|----------------------------------|----------------------------------|----------------------------------|---------------------|---------------------------|
| A | Product family | NE = Nexus | | | | |
| B | Family Variant | 01 = Quadrum-1700, Drop In | 02 = Quadrum-3400, Drop in | 03 = Quadrum-6800, Drop in | | Contact sales for details |
| | | 04 = Quadrum-1700, Push Recessed | 05 = Quadrum-3400, Push Recessed | 06 = Quadrum-6800, Push Recessed | | |
| | | 07 = Quadrum-1700, Surface Mount | 08 = Quadrum-3400, Surface Mount | 09 = Quadrum-6800, Surface Mount | | |
| | | 10 = Quadrum-1700, Suspended | 11 = Quadrum-3400, Suspended | 12 = Quadrum-6800, Suspended | | |
| C | IP Rating | 12 = IP12 | | | | |
| D | Driver Type | 1 = Non-dimmable | 2 = Dimmable | 3 = DALI+ | 4 = 1-10V | F = Fixture only |
| E | LED Colour | 3000 = 3000K | 4000 = 4000K | 5650 = 5650K | PROG = Programmable | Contact sales for details |
| F | Fixture Colour | W = White (RAL9016) | | | | |
| G | Diffuser Type | X = No diffuser | | | | |
| H | Beam Angle | 150 | | | | |
| J | Number of LEDs | 120 = 120 LEDs | | | | |
| K | Input Current | 0700 = 700mA | 0900 = 900mA | | | |

Order Coding AABBCCD/EEEEFGHHH/JJJ/KKKK - see table for details on coding (add suffix '-EM' for emergency models)

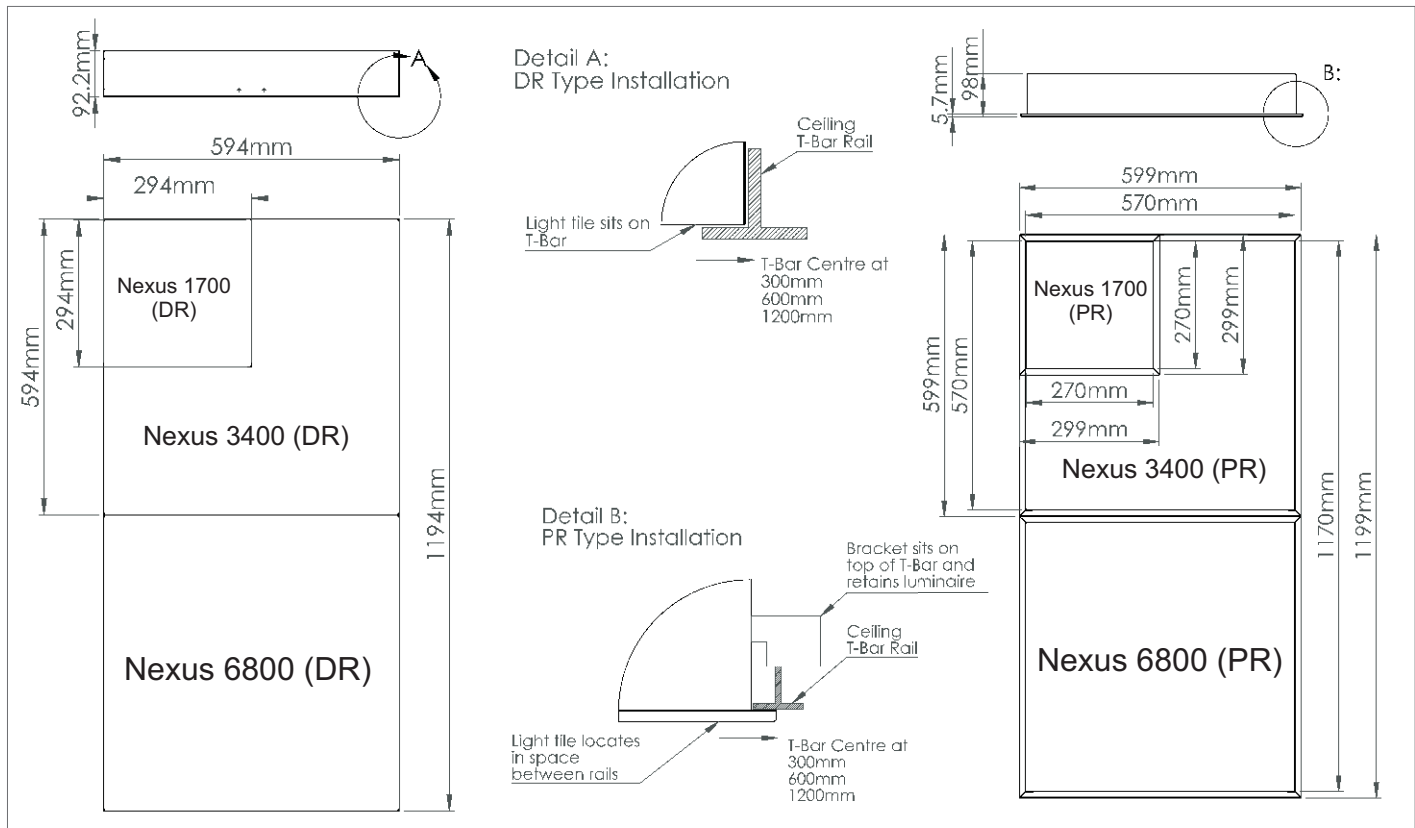
www.serenitylighting.co.uk



Serenity products are covered by a worldwide patent portfolio. For more information please refer to www.serenitylighting.co.uk/patents.

Version 1.5

Product Dimensions



Product Data

| Model | Nexus 3400-35 | Nexus 3400-45 | Upcoming Nexus 1700 & 6800 |
|----------------------------|---|---------------|---------------------------------|
| Product size | 600mm x 600mm | 600mm x 600mm | 300mm x 300mm 1200mm x 600mm |
| Power Consumption (LEDs) | 30 W | 38 W | TBA |
| Power Consumption (Driver) | 5 W | 7 W | TBA |
| Input Voltage | 220 - 240V AC at 50Hz | | |
| Total useable LED Flux | 3436 lm | 4421 lm | TBA |
| Total useable LED Efficacy | 70 lm/W | | |
| Luminaire Lumens | 2440 lm | 3095 lm | TBA |
| Luminaire Efficacy | >70 lm/W @ 4000K (standard) | | |
| Colour Temperature | 2700K to 6000K and Programmable CCT | | |
| CRI | Ra > 85 typical (standard) and Ra>90 (optional) | | |
| LED Engine Lifetime | >60,000 hours at L70 | | |
| Operating Temperature | -20 degrees C to +50 degrees C | | |
| Working Humidity | 80% Relative Humidity Max. | | |
| Construction | White steel chassis and anodised aluminium LED basket | | |
| Net Weight | 4kg | 4kg | TBA |
| Mounting types | Dropped Recessed (DR) / Push Recessed (PR) / Surface Mount (SM) | | |
| Certification | RoHS, CE | | |
| Dimming Options | iDrive® Dali+ (0.3% Minimum), MultiDIM (3% Minimum), 1-10V (3% Minimum) | | |
| Emergency Option | M3 – 3 Hour Maintained Emergency | | |