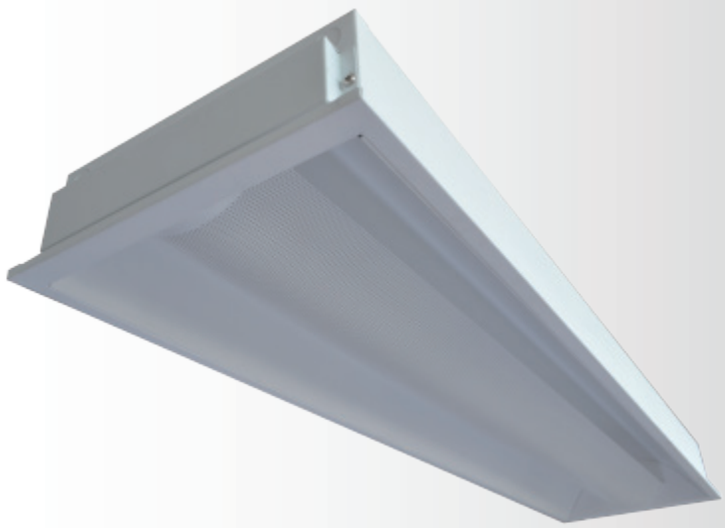
Nanowhite Indirect Lighting Fluorescent Series

Infinite Nanowhite Technology Company Limited is specializing in research and design of lighting fixtures with excellent energy saving performance. Our research and design are carrying out in Australia with the alliance with experts coming from Lighting Council Australia. Nanowhite is registered in Australia and is a premium brand in lighting industry.



Indirect lighting is specially designed for customers who are looking for elegant troffers with high performance in terms of efficacy and energy saving. This is an elegant design for contemporary market. We achieve this through our Nanowhite 88 special coating application and our expertise in the structural design in lighting fixtures.The lighting quality results in using Nanowhite 88 reflectors are one of the best solution to using the world brand expensive aluminum in making parabolic reflectors. Indirect lighting can greatly improve the visual comfort by reducing direct glare from fluorescent lamps. The use of Nanowhite 88 coating enables a softer, diffused, and minimum shadowing effects provides an exceptionally comfortable experience to workplace comparing with traditional direct lighting. This avoids visual strain. Furthermore, the design of the reflectors and metal-mesh are detachable to enable ease of maintenance.

Product Features:

- Solid structure as housing is made by high quality steel.
- Ease in maintenance as cleaning and replacement of fluorescent lamps are all at the front of the troffer.
- A comfortable working environment can be achieved by producing uniform illumination through Nanowhite 88 coating and the special structure of lighting fixtures.
- Excellent performance in applying Nanowhite 88.

Application:

General Office

Meeting Room & Conference Room

Hospital & Health Care Homes

Classrooms & Libraries & School Halls

24 Hours Convenience Stores, Supermarkets

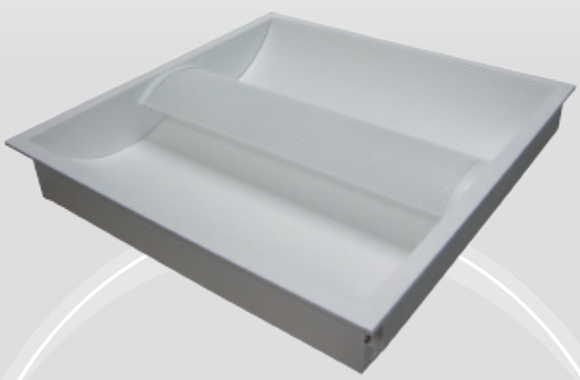
Special Light Enhancement:

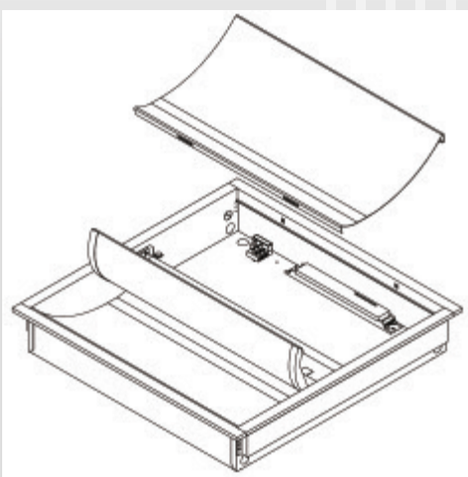
By applying Nanowhite 88, the overall efficiency of each luminaire can increase by 30% to 40% comparing to traditional coating. Less luminaires are required to produce the same luminance for the same area. The efficiency of Nanowhite 88 indirect series ranges from 65% to 75% in light output ratio (LOR). This significantly contributes to energy saving.
Color Rendering Index (CRI) and color temperature will not be distorted upon applying Nanowhite 88 coating.Nanowhite 88 products are complying lighting guidelines of modern standards such as **Beam Plus, LEED, CIBSE, BEC(EMSD HK).**
All Nanowhite lighting fixtures have passed through serious tests done by world class Italy OxyTech OxyTech Authorized Test Laboratory and proofing Nanowhite products are complying with international CIE standards. Our lighting efficiency is the actual measurement from our lighting fixtures. Other manufacturer might use software to produce a theoretical efficiency instead of actual efficiency.

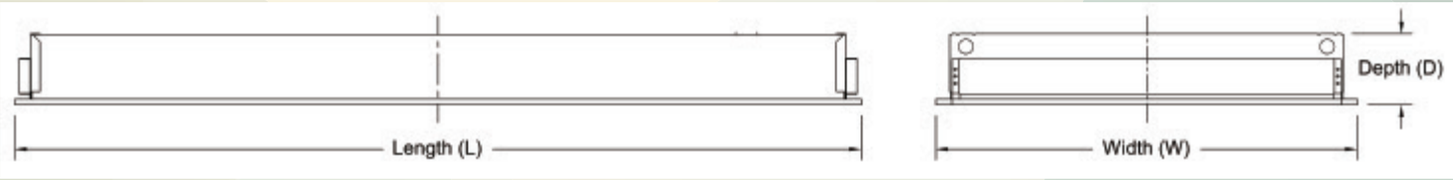
Specification:

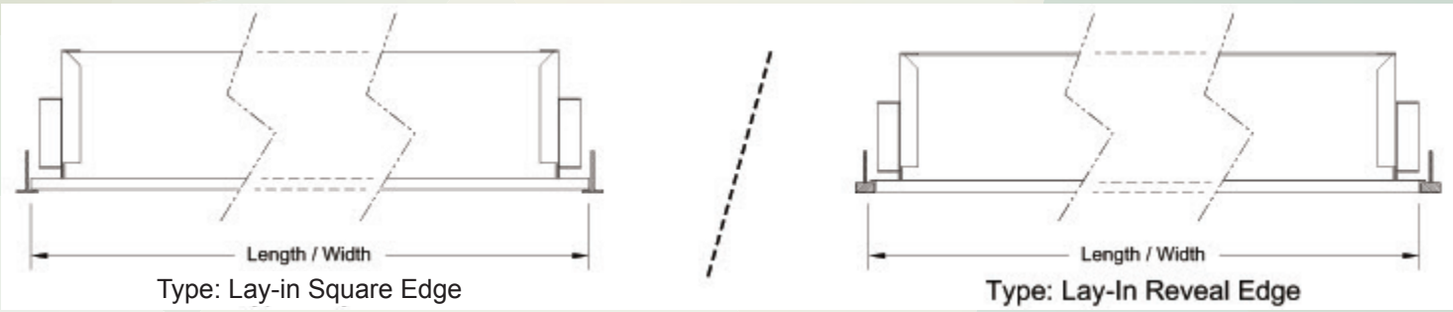
- Material: Housing is made from 0.6mm to 0.8mm high quality steel.
- Ballast: High Frequency Electronic Ballast (default as Philips HF-S ballast).
- Lamp: Standard T5 fluorescent lamp, Colour Temperature of 3000K & 4000K are available.
- Electricity: AC 220V , 50 - 60 Hz
- Mounting: Suspended (Surface mounted), Recessed & with Air-Slot.

- Dimmable: Dimmable version of 1-10V ; DALI is provided (optional)
- Size: Tailor made for different ceiling structure (optional)
- Emergency Lighting: 60 mins / 90 mins / 120 mins (optional)









Type: Lay-in Square Edge

Type: Lay-In Reveal Edge

Common Recessed Models and Dimensions:

Model	Sub-List	Lamp number	Rated Power (Watt)	Recessed Ceiling type	Luminaires Dimensions (mm)		
					W (width) *	L (length) *	D (depth) *
NW-2x14W	ID-606-xxx	2 pcs T5-14W	32	Lay-in Square Edge	595	595	100
NW-2x28W	ID-312-xxx	2 pcs T5-28W	62	Lay-in Square Edge	295	1195	100
NW-2x28W	ID-612-xxx	2 pcs T5-28W	62	Lay-in Square Edge	595	1195	100
NW-2x14W	ID-606-xxx-HD	2 pcs T5-14W	32	Lay-in Square Edge (Reveal Edge)	584	584	100

Please contact us to obtain detail dimensions of each model.

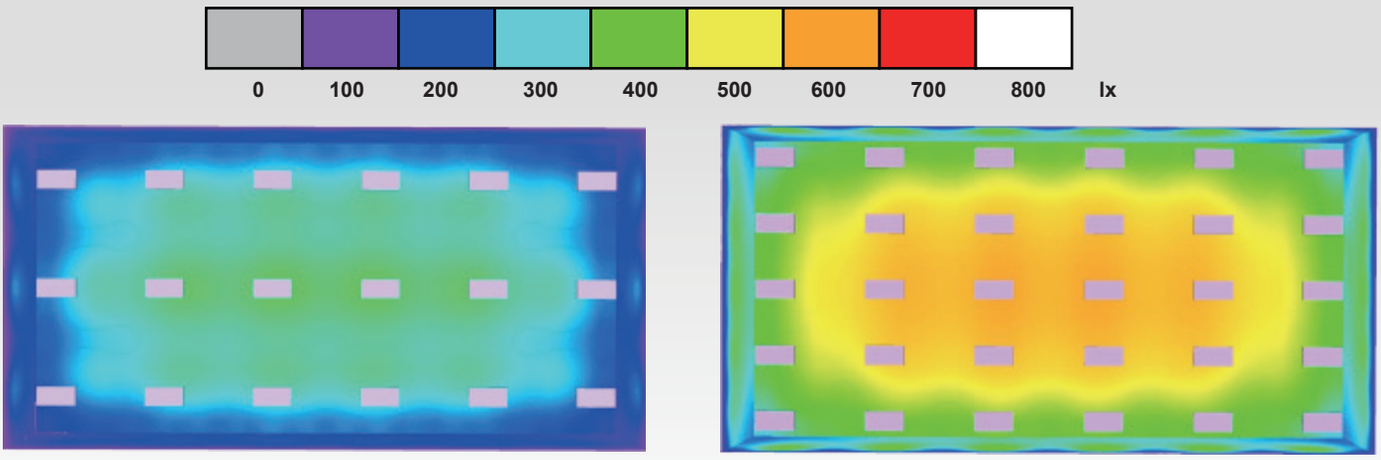
Other models for reference: "Suspended (Surface mounted), Recessed & Air-Slot."

Model	Number of Lamps	Rated Power (Watt)	(mm) Nominal Size of Ceiling		
			W (width) *	L (length) *	D (depth) *
NW-1x14W	1 pcs T5-14W	16	300 , 400 , 600	600	100
NW-2x14W	2 pcs T5-14W	32	300 , 400 , 600	600	100
NW-3x14W	3 pcs T5-14W	48	400 , 600	600	100
NW-1x21W	1 pcs T5-21W	23	300 , 400 , 600	900	100
NW-2x21W	2 pcs T5-21W	46	300 , 400 , 600	900	100
NW-1x28W	1 pcs T5-28W	31	300 , 400 , 600	1200	100
NW-2x28W	2 pcs T5-28W	62	300 , 400 , 600	1200	100
NW-3x28W	3 pcs T5-28W	93	400 , 600	1200	100
NW-1x35W	1 pcs T5-35W	38	300 , 400 , 600	1500	100
NW-2x35W	2 pcs T5-35W	76	300 , 400 , 600	1500	100

*please contact us to obtain detail dimensions of each model.

Simulation and Luminance result:

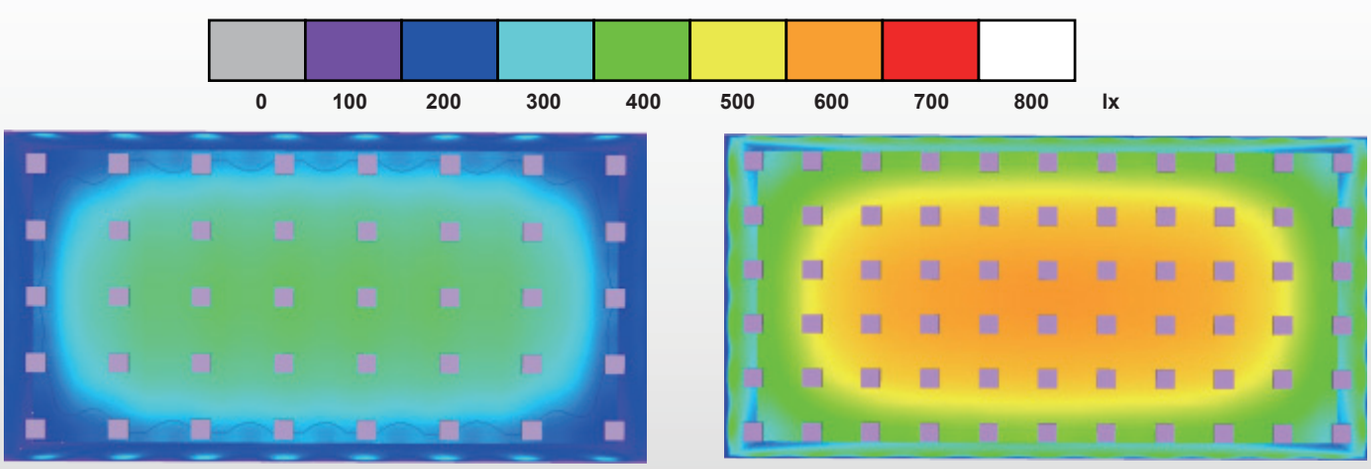
NW-2x28W ID-612-2B on Room Area: 200m² ; 20m x 10m x 2.8m (L x W x H)



Luminance Level : 300 lx "average / over"
Luminaires: 18 sets
Model: NW-2x28W ID-612-2B ; 5800 lm @ 62 W/set
Power Consumption: 5.58 W/m² ; 1.65 W/ m² / 100 lx
Table Height: 0.8m (from ground) ; Room height: 2.8m
Result: 339lx(av) ; 213lx(min) ; 448lx(max) ; uniformity > 0.6

Luminance Level : 500 lx "average / over"
Luminaires: 30 sets
Model: NW-2x28W ID-612-2B ; 5800 lm @ 62 W/set
Power Consumption: 9.30 W/m² ; 1.68 W/ m² / 100 lx
Table Height: 0.8m (from ground) ; Room height: 2.8m
Result: 553lx(av) ; 377lx(min) ; 658lx(max) ; uniformity > 0.6

NW-2x14W ID-606-2B on Room Area: 200m² ; 20m x 10m x 2.8m (L x W x H)



Luminance Level : 300 lx "average / over"
Luminaires: 40 sets
Model: NW-2x14W ID-606-2B ; 2700 lm @ 32 W/set
Power Consumption: 6.4 W/m² ; 1.85 W/ m² / 100 lx
Table Height: 0.8m (from ground) ; Room height: 2.8m
Result: 345lx(av) ; 240lx(min) ; 398lx(max) ; uniformity > 0.6

Luminance Level : 500 lx "average / over"
Luminaires: 66 sets
Model: NW-2x14W ID-606-2B ; 2700 lm @ 32 W/set
Power Consumption: 10.56 W/m² ; 1.85 W/ m² / 100 lx
Table Height: 0.8m (from ground) ; Room height: 2.8m
Result: 569lx(av) ; 390lx(min) ; 631lx(max) ; uniformity > 0.6