



- ▶ Office lighting
- ▶ Direct and easy replace of fluorescent
- ▶ Designers looks with innovative body
- ▶ Short ROI (Return of Investment)
- ▶ Dimming available

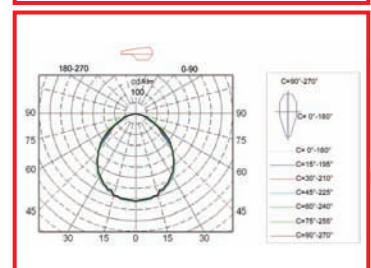
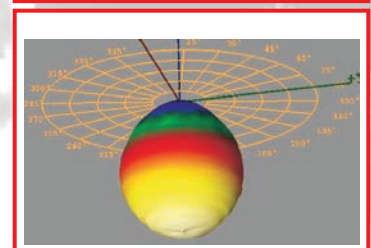
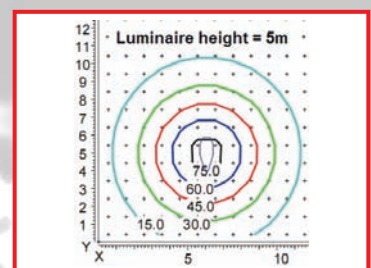
Benefits

- LED ceiling luminaire for general and task area lighting
- State of the art body design
- Housing made of sheet steel with die-cast structure
- Colour temperature from 2700K to 6000K optional
- Colour rendering index CRI Ra > 80 for office applications
- Suitable for glare control for upright and tilted displays
- Long-life LEDs reduce the maintenance and product replacement costs
- "Dimmable DALI" module is available additionally
- Emergency module is available additionally
- Microprismatic optic with precise patterning for directional light distribution with all-round glare control for maximum efficiencies



The XWING luminaire is designed to create high level of uniformity, which we perceive as natural and beautiful as the daylight is characterised. The room is immersed in natural, pleasant and unobtrusively bright light – with sufficient shadow detail and contrast rendering. The direct/indirect light typical of the luminaire's last generation is produced in closed lighting chambers, reflections are eliminated through a variety of optics. The new LED luminaire combines these tried-and-tested qualities with maximum energy efficiency and a long, maintenance-free service life. The luminaire unit has been reduced to translucent, almost immaterial lighting wings, thus putting the room and its architectural features to the fore. The innovative lighting chamber concept is responsible for the luminaire unit's low-profile look.

MODEL	XWing M	XWing B
Input power	36 W	52 W
Useful quantity of light	4 000 Lm	5 600 Lm
UGR	UGR 19 with MPO	
Led used / pcs	Samsung/Osram	
Power supply / Pfc	230V AC/ PFC>90	
Internal thermal protection	automatic	
Working temperature	-25° to +40°C	
Environment protection	IP 20	
Dimensions mm	595x595x65	
Weight kg	4 kg	
LED Lm70	50.000 h	
Application	Indoor for offices, schools, hospitals	





- ▶ Office lighting
- ▶ Suitable for glare control
- ▶ Glare-free emission $L < 1000 \text{ cd/m}^2$ at $60^\circ/65^\circ$
- ▶ Good ROI (Return of Investment)
- ▶ Dimming and Emergency available

Benefits

- Unified Glare Rating is lower than fluorescent tube(UGR<19)
- Provides a choice of high system efficacy levels to meet different energy saving targets
- Applications are surface mounted, recessed or pendant
- DALI dimming and Emergency mode available
- Long-life LEDs reduce the maintenance and product replacement costs



LUPO is a **LED Uniform Panel for Offices**.

Designed with innovative technologies to provide always perfect, glare-free light.

At the same time, it is efficient and flexible: qualities by which the new generation stands out as contemporary office lighting system that provides perfect lighting conditions for many situations.

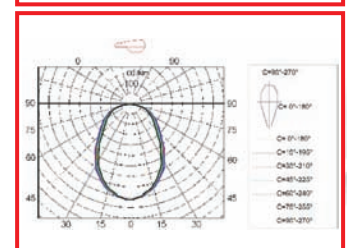
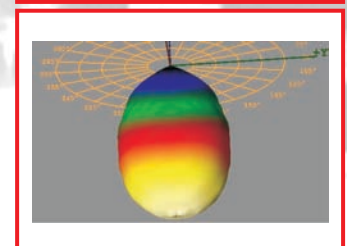
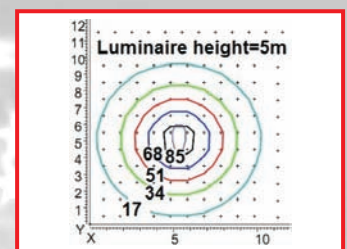
The family provides interior solutions in three efficiency levels - high efficiency, high output and standard. Available as 40W delivering up to 5200Lm and 60W with 7200Lm.

They can be build as surface mounted, pendant or recessed.

LUPO is standardly produced with dimensions 600mm/600mm but can be customised to the conventional sizes - 300mm/300mm, 300mm/1200mm, 300mm/1500mm, 600mm/1200mm. Standard CRI is 80 but can reach to 95 on request. With color temperature from 3000K to 6000K.

Due to the high uniformity of the emitted light and the low overall brightness, the luminaire is applicable where the unified glare rating is of importance: schools, offices, hospitals, workinghalls.

MODEL	LUPO 30 W	LUPO 42 W
Input power	30 W	42 W
Useful quantity of light	4 200 Lm	5 700 Lm
UGR	UGR<19	
Power supply / Pfc	230V AC/ PFC>90	
Internal thermal protection	automatic	
Working temperature	-25° to +40°C	
Environment protection	IP 20	
Dimensions mm	595x595x50	
Weight kg	4 kg	
LED Lm80	50.000 h	
Application	Indoor for offices, schools, hospitals	





- ▶ Indoor luminaire
- ▶ Innovative design
- ▶ High environment protection with custom diffuser
- ▶ Low operating costs with short ROI (Return Of Investment)
- ▶ More light with savings of up to 55% of electricity and Efficiency of up to 122 lm/W

Benefits

- Excellent total cost of ownership with attractive payback times
- No annoying noises, vibrations and flickering
- Unified Glare Rating is lower or equal to fluorescent tube
- Overall, the usage of LEDs helps to reduce the internal heating in the premises
- 100% efficacy - directed light which guarantees that all the luminosity goes where is needed
- Significant sustainability opportunity due to lower energy consumption, reduced waste and elimination of hazardous substances such as mercury and lead

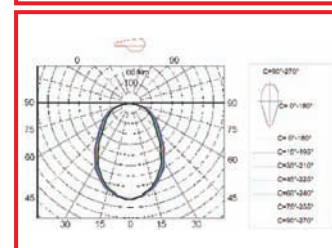
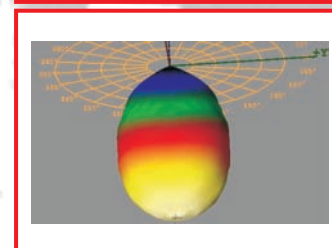
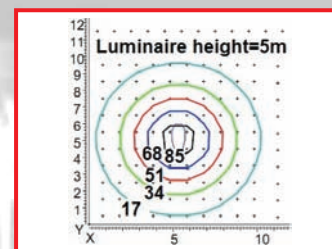


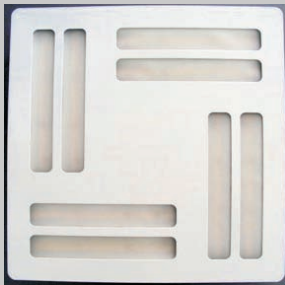
Our GRP60x60 LED luminaires are designed to replace traditional tubular fluorescent grid lamps in the areas with traditional ceilings, producing the same amount of light with savings of up to 55% of electricity. The luminaire features two types of diffusers - with prismatic or frost front window, classic looks and the latest LED technology, which provides efficiency of up to 122 lm/W. Additionally it has embedded high efficiency switching power driver with PFC and efficiency of 90%.

Thanks to the high environment protection of the housing - IP65 - the luminaire is suitable for hospitals, supermarkets and other places where extreme hygiene is necessary because it can be directly washed with detergents.

The lamps can be equipped with different diodes to suit the varying needs of the client as color temperature of the light. Overall, the usage of LEDs helps to reduce the internal heating of the room, which helps to lower needed cooling capacity of the air conditioning system. Containing no mercury, lead, or glass, GRP60x60 do not present risk of area contamination that is possible with fluorescent lamp breakage. Due to the high uniformity of the emitted light and the low overall brightness, the luminaire is applicable where the unified glare rating is of importance: schools, offices, hospitals, working halls.

MODEL	AL GRP 60x60	
Input power	30 W	42 W
Useful quantity of light	4 200 Lm	5 700 Lm
Effective illuminated area/ min Lx	3x3 m/350 Lx from 2,5 m height	
Led used / pcs	Mx6 CREE 122Lm/W 4x7pcs	
Power supply / Pfc	110/230V AC /PFC	
Internal thermal protection	automatic	
Working temperature	-10° to +40°C	
Environment protection	IP54 Al body with prismatic or frost front window	
Dimensions mm	600x600x70	
Weight kg	4,5 kg	
LED life span	100.000 h	





- ▶ Office lighting
- ▶ Direct and easy replace of fluorescent
- ▶ Extravagant look with diffused light
- ▶ Good ROI (Return of Investment)

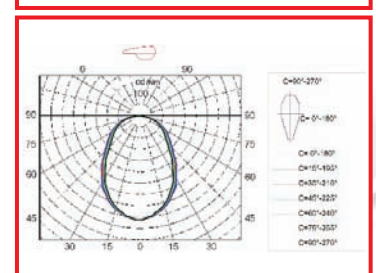
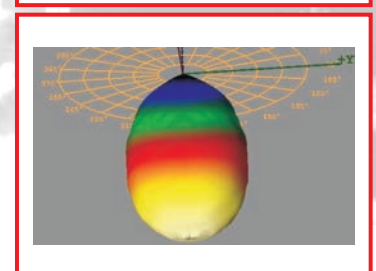
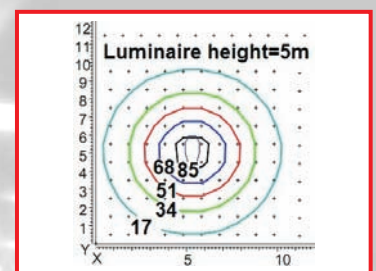
Benefits

- Excellent total cost of ownership with attractive payback times
- Applications are Armstrong and plasterboard, suspended
- Long-life LEDs reduce the maintenance and product replacement costs
- Significant sustainability due to lower energy, reduced waste and no hazardous substances such as mercury and lead
- 100% efficacy - directed light which guarantees that all the luminosity goes where is needed

Our LED ECO8 luminaires are designed to replace traditional tubular fluorescent grid lamps in the areas with Armstrong type ceilings, producing the same amount of light with savings of up to 55% of electricity. The luminaire features modules with unique construction, high efficiency diffuser, classic looks and the latest LED technology, which increases the lamp's efficiency up to 110 lm/W. Additionally it have embedded high efficiency switching power driver with PFC and efficiency of 90%.

The lamps can be equipped with different diodes to suit the varying needs of the client as color temperature of the light and CRI up to 95. Overall, the usage of LEDs helps to reduce the internal heating of the room, which helps to lower needed cooling capacity of the air conditioning system. Containing no mercury, lead, or glass, LED ECO8 do not present risk of area contamination that is possible with fluorescent lamp breakage. Due to the high uniformity of the emitted light and the low overall brightness, the luminaire is applicable where the unified glare rating is of importance: schools, offices, hospitals, working halls.

MODEL	LED ECO8
Input power	45 W
Useful quantity of light	4 800 Lm
UGR / with diffused light	less than 19
Led used / pcs	Samsung/Osram
Power supply / Pfc	230V AC/ PFC>90
Internal thermal protection	automatic
Working temperature	-25° to +40°C
Environment protection	IP 20
Dimensions mm	595x595x50
Weight kg	4 kg
LED Lm70	50.000 h
Application	Indoor for offices, schools, hospitals





- ▶ Office lighting
- ▶ Direct and easy replace of fluorescent
- ▶ Traditional look with LED tech inside
- ▶ Short ROI (Return of Investment)
- ▶ Dimming available

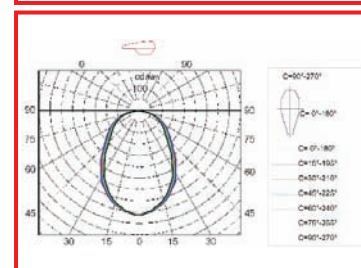
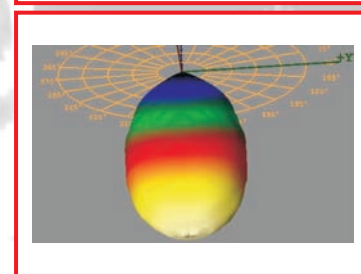
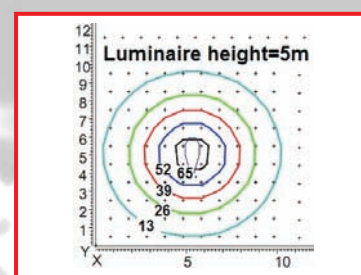
Benefits

- Excellent total cost of ownership with attractive payback times
- Wide range of colour temperature from 2700-6000K
- Long-life LEDs reduce the maintenance and product replacement costs
- Unified Glare Rating is lower or equal to fluorescent tube (UGR<19)
- Significant sustainability due to lower energy, reduced waste and no hazardous substances such as mercury and lead
- 100% efficacy - directed light which guarantees that all the luminosity goes where is needed

Our GRP60x60 LED luminaires are designed to replace traditional tubular fluorescent grid lamps in the areas with Armstrong type ceilings, producing the same amount of light with savings of up to 55% of electricity. The luminaire features modules with unique construction, very low UGR rating <19, high efficiency diffuser, classic looks and the latest LED technology, which increases the lamp's efficiency up to 110 lm/W. Additionally it have embedded high efficiency switching power driver with PFC and efficiency of 90%.

The lamps can be equipped with different diodes to suit the varying needs of the client as color temperature of the light and CRI up to 95. Overall, the usage of LEDs helps to reduce the internal heating of the room, which helps to lower needed cooling capacity of the air conditioning system. Containing no mercury, lead, or glass, GRP60x60 do not present risk of area contamination that is possible with fluorescent lamp breakage. Due to the high uniformity of the emitted light and the low overall brightness, the luminaire is applicable where the unified glare rating is of importance: schools, offices, hospitals, working halls.

MODEL	LED 60x60LC
Input power	40 W
Useful quantity of light	4 800 Lm
Advantages	UGR 19 CRI>80
Led used / pcs	Samsung/Osram
Power supply / Pfc	230V AC/ PFC>90
Internal thermal protection	automatic
Working temperature	-25° to +40°C
Environment protection	IP 20
Dimensions mm	595x595x60
Weight kg	4 kg
LED Lm70	50.000 h
Application	Indoor for offices, schools, hospitals





- ▶ Interior / Office luminaire
- ▶ Surface / Recessed / Pendant / Wall mount
- ▶ Suitable for glare control
- ▶ Dimming and Emergency available

Benefits

- Modern design looks with good aesthetics
- Create a functional and relaxing atmosphere
- Customised to your desired length, colour temperature and colour
- Unified Glare Rating is lower than fluorescent tube (UGR<19) by opal optics
- Provides a choice of high system efficacy levels to meet different energy saving targets
- Applications are surface mounted, recessed (also with trim), pendant or wall mounted
- DALI dimming and Emergency mode available



AFL is Architectural linear LED system

The module system with a stylish design is not only a lighting source but an architectural addition to your room. It provides a stylish alternative to downlights. With the option to light upwards AFL can highlight ceilings and also provides natural atmosphere where the ceiling is bright. The smooth high-grade extruded aluminum and diffuser are manufactured at increments of 280mm starting from 290mm up to 1970mm. Complex figures can be manufactured to meet architectural challenges including angled connections and wall ceiling continuity. Standard CRI is 80 but can reach to 95 on request. With color temperature from 2700K to 6000K.

Model	Power Direct light	Power Indirect light	Useful quantity of light	Input power	Dimensions mm	Weight kg	Common characteristics	
AFL 6	6 W	-	500 Lm	8 W	290x40x70	1.0	UGR	<19
AFL 12	12 W	-	1000 Lm	14 W	570x40x70	1.5	Power supply	230 V AC / PFC>90
AFL 18	18 W	-	1500 Lm	20 W	850x40x70	2.0	Working temperature	- 25° to + 40°C
AFL 18 ID6	18 W	6 W	2000 Lm	27 W	850x40x70	2.1	Environment protection	IP20
AFL 24	24 W	-	2000 Lm	27 W	1130x40x70	2.5	LED LM80	50.000 h
AFL 24 ID12	24 W	12 W	2900 Lm	40 W	1130x40x70	2.6	Application	Indoor
AFL 30	30 W	-	2400 Lm	34 W	1410x40x70	3.0	Dimmable (optional)	DALI / 1-10 V
AFL 30 ID18	30 W	18 W	3900 Lm	54 W	1410x40x70	3.1	Mounting method	surface/recessed/pendant/wall
AFL 36	36 W	-	2900 Lm	40 W	1690x40x70	3.5	Color temperature	2700 - 6000 K
AFL 36 ID24	36 W	24 W	4800 Lm	68 W	1690x40x70	3.6	Emergency (optional)	3 hours / Self test
AFL 42	42 W	-	3400 Lm	47 W	1970x40x70	4.0	Body color	White / Black / Custom
AFL 42 ID30	42 W	30 W	5800 Lm	80 W	1970x40x70	4.1	Efficiency levels	up to 90 Lm/W

