

# LED Wall light

ENERGYs™



NEWVISION  
TRIDONIC

- Between 50% and 80% energy saving
- Over 100,000 hours life expectancy
- 7 years manufacturer's warranty
- Modern one-piece design
- Complete range of sizes
- Low glare
- IntelliDim and Emergency versions available

**A range of very high performance ceiling or wall lights for every possible situation. The advanced adjustable input driver allows the adjustment between four preset power levels with a simple switch.**

## Key Features:

Advanced LED chips with efficacy of over 165 lumens per watt, giving over 110 lumens per watt on the overall fixture performance inclusive of driver and optical losses.

Low glare index due to even spread of light over a large surface area makes these light fittings ideal for schools, offices, hospitals, factories; indeed anywhere where computers are used, or where the staff or building users are focused on tasks for lengthy period of time.

All metal and plastic case together with high grade polycarbonate diffuser means that there is no glass, mercury or other hazardous substances (unlike fluorescent lamps) making these light fittings not only energy efficient but also environmentally friendly, safe and durable.

Unique New Vision drivers design with selectable power output allows the user to modify lighting levels and energy consumption to optimise the installation – all fittings in the New Vision range are powered by just two different 'plug and play' drivers.

Emergency Options available with Tridonic Emergency Drivers.

Compatible with New Vision IntelliDim system to maximise energy savings through smart controls.

# Wall Light

Family : Luminaire / Wall Light / WAL

## Technical Overview

Product Code	Dimensions Rim (cut-out) diameter x height	Chips		Lamp				
		CRI	Efficacy	Photometric		Electrical		
				Efficacy	Lumen @max. power	Input Voltage (DC)	Input current (max.)	Lamp Power (max.)
WAL-08009-840-A01	Ø240 x 38mm	>80	190 lm/W	100 lm/W	900 lm	220-240 Vac (50/60Hz)	38 mA	9.0 W
WAL-12018-840-A01	Ø300 x 38mm	>80	190 lm/W	100 lm/W	1,800 lm		75 mA	18.0 W
WAL-16017-840-A01	Ø400 x 38mm	>80	190 lm/W	100 lm/W	1,700 lm		71 mA	17.0 W
WAL-20017-840-A01	Ø500 x 38mm	>80	190 lm/W	100 lm/W	1,700 lm		71 mA	17.0 W
WAL-24036-840-A01	Ø600 x 38mm	>80	190 lm/W	100 lm/W	3,600 lm		150 mA	36.0 W

### notes

- Standard product CCT is 4000K, for 2700K or 6000K, replace 840 in code with 827 or 860
- Available with driver replace D01 with A01
- 2700K products will yield 5% less efficacy and therefore 5% less light output
- Efficacy between Chip and Lamp level differs due to optical and driver losses.

Specifications	
Operating temperature	-25 to +40°C
Driver life expectancy	100,000 hours (MTBF @ta=25°C)
Lumen maintenance	L90 B10 @ 35,000 hours
@ max. power	L80 B10 @ 65,000 hours
@ ta=25°C	L70 B10 @ 100,000 hours
Warranty	7 years
Protection rating	IP44 Front, IP20 Back
Diffuser material	Polycarbonate
Body material	Aluminium

Compliance			
Low Voltage (Safety) Directive 2014/35/EU			
EN 60598-1			
EN 60598-2			
SELV 60	CE		ROHS

# Wall Light - Emergency

Family : Luminaire / Wall Light / WAL-EM

## Technical Overview

Product Code	Dimensions Length x Width x height	Chips		Lamp				
		CRI	Efficacy	Photometric		Electrical		
				Efficacy	Lumen	Input Voltage	Input current @ 240Vac	System Power (max.)
WAL-12018-840-A11	∅300 x 38mm	>80	190 lm/W	107 lm/W	1,926 lm	200-240 Vac	75 mA	18.0 W
WAL-12018-840-A21	∅300 x 38mm	>80	190 lm/W	107 lm/W	1,926 lm	(50/60 Hz)	75 mA	18.0 W

### notes

- Standard product CCT is 4000K, for 2700K or 6000K, replace 840 in code with 827 or 860
- 2700K products will yield 5% less efficacy and therefore 5% less light output
- Efficacy between Chip and Lamp level differs due to optical & driver losses

Specifications	
Operating temperature	-25 to +40°C
Driver life expectancy	100,000 hours (MTBF @ta=25°C)
Lumen maintenance	L90 B10 @ 35,000 hours
@ max. power	L80 B10 @ 65,000 hours
@ ta=25°C	L70 B10 @ 100,000 hours
Warranty	7 years (3 years on batteries)
Protection rating	IP44 Front, IP20 Back
Diffuser material	Polycarbonate
Self-Test	A11
Manual Test	A21

Emergency Details	
Brand	TRIDONIC
Time to light	<0.25s
Mains voltage changeover threshold	EN 60598-2-22
Self test (self test version only)	IEC 92034
Weekly functional test	5 seconds
Yearly duration test	1,2 or 3 hours
Rated duration	3hrs @3.7W
Battery	3.6V (3.1.2V), 4,000mAH, Ni-MH
Mains Current / Power in charging operation	
Initial charge	27mA / 4.0W
Fast recharge	30mA / 4.3W
Trickle charge	20mA / 2.3W

Compliance	
Low Voltage (Safety) Directive 2014/35/EU	
EN 60598-1	
EN 60598-2	
EMC Directive 2014/30/EU	
EN 55015	EN 61000-3-2
EN 61547	EN 61000-3-3
EN 62493	
LED Drivers	
EN 61347-1	EN 62384
EN 61347-2-13	
Emergency Drivers	
EN 50172	EN 62384
EN 60598-22	EN 60068-2-29
EN 61347-2-7	EN 60068-2-30
EN 61347-2-13	EN 60068-2-64
SELV 60	CE
	ROHS
LIA Verified	LIA Tested