



## Abrams AL

IP65

IK16 (150J)

Linear

Class I

Surface

HT50°C

Custodial

Secure Healthcare

Abrams AL is a ligature resistant luminaire designed for challenging environments including custodial facilities and secure healthcare.

Standard Colours

Textured White

### - Product Information

Abrams AL provides uniform light distribution and incorporates a removable, easy to maintain LED gear tray.

Abrams AL is designed to minimise the risk of self-harm or injury by preventing the attachment of ligatures. It is HMPPS "safer cell" approved and features a patented 'sandwiched' diffuser design, compliant with burns testing regulations, for additional peace of mind.

Applications include prison en-suites and showers plus association and communal areas. Abrams AL is also an ideal solution for police stations and law courts.

**Impact Resistance Rating:** IK16 (150J). More information, [CLICK HERE](#).

**Ingress Protection Rating:** IP65. More information, [CLICK HERE](#).

**Housing:** Zinc coated steel body.

**Paint:** Polyester powder coat. All colours available, [CLICK HERE](#).

**Diffuser:** Composite polycarbonate diffuser in frame secured with tamperproof screws.

**Driver:** Electronic control gear on a removable tray with fused plug & socket connector block for 3 level switching & night light.

**Mounting:** Ceiling.

**Cable Entry:** Provision for conduit entry in the back.

## ■ Technical Information

AbramsAL	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
<b>L430mm</b>				
D224-1-2500W-P-TW	2004	23.6	85	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	5	CRI>80	50	L <sub>80</sub> B <sub>100</sub> >72,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	C	-	210
	Dimensions			
	200mm x 95mm			
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D224-1-2500N-P-TW	2109	23.6	89	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	5	CRI>80	50	L <sub>80</sub> B <sub>100</sub> >72,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	C	-	210
	Dimensions			
	200mm x 95mm			
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<b>L730mm</b>				
D224-2-4000W-P-TW	2906	31.8	92	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	8	CRI>80	-	L <sub>80</sub> B <sub>100</sub> >72,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	C	-	210
	Dimensions			
	200mm x 95mm			
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D224-2-4000N-P-TW	3059	31.8	96	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	8	CRI>80	-	L <sub>80</sub> B <sub>100</sub> >72,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	C	-	210
	Dimensions			
	200mm x 95mm			
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<b>L1025mm</b>				
D224-3-3400W-P-TW-SE-NL	3416	35.7	96	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	13	CRI>80	-	L <sub>80</sub> B <sub>100</sub> >72,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	C	-	210
	Dimensions			
	200mm x 95mm			

AbramsAL	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
<b>L1025mm</b>				
D224-3-3400N-P-TW-SE-NL	3596	35.7	101	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	13	CRI>80	-	L <sub>80</sub> B <sub>100</sub> >72,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	C	-	210
	Dimensions			
	200mm x 95mm			
<b>L1325mm</b>				
D224-4-6000W-P-TW-SE-NL	5035	54.2	93	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	14	CRI>80	-	L <sub>80</sub> B <sub>100</sub> >72,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	C	-	210
	Dimensions			
	200mm x 95mm			
D224-4-6000N-P-TW-SE-NL	5300	54.2	98	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	14	CRI>80	-	L <sub>80</sub> B <sub>100</sub> >72,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	C	-	210
	Dimensions			
	200mm x 95mm			

## Fitting Options

Textured White

-TW

- For night light LED energy efficiency class D, LED Lifetime L<sub>80</sub>B<sub>100</sub>>100,000h at 25 °C ambient and Driver Lifetime up to 50,000h at 25 °C ambient.

