Abrams AL

IP65   IK16 (150J)   Linear   Class I   Surface   HT50°C

TM65/66

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.

This luminaire is designed for longevity and sustainability and adheres to our circular design principles. We conduct a circular economy assessment using TM66 and measure embodied carbon (kgCO e) in accordance with TM65.2.

Impact Resistance Rating: IK16 (150J). What is IK Rating?

Ingress Protection Rating: IP65. What is IP Rating?

Housing: Zinc coated steel body.

Paint: Polyester powder coat. All Colour Options Available Here.

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

Driver: Electronic control gear on a removable tray for ease of repair/upgrade with fused plug & socket connector block. 3 level switching & night light for versions 1025mm and 1325mm.

Mounting: Ceiling.

Cable Entry: Provision for conduit entry in the back.

Design Life: 30+ years. What is Design Life?

Technical Information

AbramsAL	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
L430mm				
D224-1-2500W-P-TW	2004	23.6	85	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	5	CRI>80	50	$L_{80}B_{10}$>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			
D224-1-2500N-P-TW	2109	23.6	89	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	5	CRI>80	50	$L_{80}B_{10}$>72,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	-	210
	Dimensions			
	200mm x 95mm			
L730mm				
D224-2-4000W-P-TW	2906	31.8	92	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	8	CRI>80	-	$L_{80}B_{10}$>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			
D224-2-4000N-P-TW	3059	31.8	96	4000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	8	CRI>80	-	$L_{80}B_{10}$>72,000h
	Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**
	100,000	B	-	210
	Dimensions			
	200mm x 95mm			
L1025mm				
D224-3-3400W-P-TW-SE-NL	3416	35.7	96	3000
	Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**
	13	CRI>80	-	$L_{80}B_{10}$>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)
L1025mm				
D224-3-3400N-P-TW-SE-NL	3596	35.7	101	4000
Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**	
13	CRI>80	-	$L_{80}B_{10}$>72,000h	
Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**	
100,000	B	-	210	
Dimensions				
200mm x 95mm				
L1325mm				
D224-4-6000W-P-TW-SE-NL	5035	54.2	93	3000
Weight (kg)	**CRI**	**High Temp (°C)**	**LED Lifetime**	
14	CRI>80	-	$L_{80}B_{10}$>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	-	$L_{80}B_{10}$>72,000h	
Driver lifetime (up to hours)	**LED Energy Rating**	**Emergency Output (Lum/lm)**	**Nightlight Output (Lum/lm)**	
100,000	B	-	210	
Dimensions				
200mm x 95mm				

Textured White	-TW

• For night light LED energy efficiency class D, LED Lifetime L$_{70}$B$_{10}$ >100,000h at 25°C ambient and Driver Lifetime up to 50,000h at 25°C ambient.