

DL86 AL













Secure Healthcare

DL86 AL is a ligature resistant downlight specifically designed for challenging environments such as secure healthcare facilities.

Standard Colours Matt White

Product Information

DL86 AL's uniform illumination ensures a consistent light distribution, enhancing visibility and reducing glare to create a comfortable feel.

DL86 AL is designed to meet the requirements of "Design in Mental Health Network's (DiMHN) Testing Guidance for Products in Mental Health Facilities" rating LIG5-5/ES2. It minimises the risk of self-harm or injury by preventing the attachment of ligatures, and is designed to be disassembled and reinstated to ensure maintenance can be undertaken quickly and easily after anti-pick mastic application.

Applications include nurses stations, bedrooms, corridors and circulation spaces.

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

Impact Resistance Rating: IK14 (100J). <u>Learn More</u>. Ingress Protection Rating: IP65 (from below only). Learn More.

Housing: Die-cast aluminium body with machined aluminium front plate, secured with tamperproof screws.

Paint: Polyester powder coat. <u>All Colour Options</u> Available Here.

Diffuser: Clear polycarbonate diffuser. **Driver:** Remote DALI driver as standard.

Mounting: Ceiling, recessed.

Cable Entry: Provision for cable entry in remote

driver.

Design Life: 30+ years. Learn More.

Technical Information

DL86AL	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	сст (к)
Medium Beam				
DL86-AL-G1-750WM-MW-DA	754	7.4	102	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	0.6	CRI>80	40	Ls o B1 o > 33,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	D	278	-
	Dimensions			
	Ø102mm, 91mm			
DL86-AL-G1-950WM-MW-DA	973	9.3	105	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	0.6	CRI>80	40	L80B10>33,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/lm)
	100,000	D	278	-
	Dimensions			
	Ø102mm, 91mm			
DL86-AL-G1-1150WM-MW-DA	1175	11	106	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	0.6	CRI>80	40	LseB1e>33,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/lm)
	100,000	D	278	-
	Dimensions			
	Ø102mm, 91mm			
DL86-AL-G1-750NM-MW-DA	783	7.4	106	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	0.6	CRI>80	40	Ls 0 B1 0 > 33,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	D	293	-
	Dimensions			
	Ø102mm, 91mm			
DL86-AL-G1-1000NM-MW-DA	1012	9.3	109	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	0.6	CRI>80	40	Ls 0 B1 0 > 33,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	D	293	-
	Dimensions			
	Ø102mm, 91mm			

DL86AL	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	сст (к)
Medium Beam				
DL86-AL-G1-1200NM-MW-DA	1201	11	109	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	0.6	CRI>80	40	L ₈ ₉ B ₁ ₉ >33,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	D	293	-
	Dimensions			
	Ø102mm, 91mm			
Wide Beam				
DL86-AL-G1-750WW-MW-DA	765	7.4	103	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	0.6	CRI>80	40	L ₈ ₉ B ₁ ₈ >33,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/lm)
	100,000	D	278	-
	Dimensions			
	Ø102mm, 91mm			
DL86-AL-G1-950WW-MW-DA	989	9.3	106	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	0.6	CRI>80	40	L _{8 0} B _{1 0} >33,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/lm)
	100,000	D	278	=
	Dimensions			
	Ø102mm, 91mm			
DL86-AL-G1-1150WW-MW-DA	1182	11.2	106	2000
				3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	Weight (kg) 0.6	CRI CRI>80		
			High Temp (°C)	LED Lifetime
	0.6	CRI>80	High Temp (°C)	LED Lifetime Ls oB1 o>33,000h
	0.6 Driver lifetime (up to hours)	CRI>80 LED Energy Rating	High Temp (°C) 40 Emergency Output (Lum/Im)	LED Lifetime La «B1 »>33,000h Nightlight Output (Lum/lm)
	0.6 Driver lifetime (up to hours) 100.000	CRI>80 LED Energy Rating	High Temp (°C) 40 Emergency Output (Lum/Im)	LED Lifetime L = 0B1 => 33,000h Nightlight Output (Lum/lm)
DL86-AL-G1-750NW-MW-DA	0.6 Driver lifetime (up to hours) 100,000 Dimensions	CRI>80 LED Energy Rating	High Temp (°C) 40 Emergency Output (Lum/Im)	LED Lifetime La «B1 »>33,000h Nightlight Output (Lum/lm)
DL86-AL-G1-750NW-MW-DA	0.6 Driver lifetime (up to hours) 100,000 Dimensions Ø102mm, 91mm	CRI>80 LED Energy Rating	High Temp (°C) 40 Emergency Output (Lum/Im) 278	LED Lifetime Ls + B1 > 33, 000h Nightlight Output (Lum/im) .
DL86-AL-G1-750NW-MW-DA	Driver lifetime (up to hours) 100,000 Dimensions Ø102mm, 91mm	CRI>80 LED Energy Rating D	High Temp (°C) 40 Emergency Output (Lum/Im) 278	LED Lifetime La +B1 o>33,000h Nightlight Output (Lum/lm) -
DL86-AL-G1-750NW-MW-DA	0.6 Driver lifetime (up to hours) 100,000 Dimensions Ø102mm, 91mm 781 Weight (kg)	CRI>80 LED Energy Rating D 7.3	High Temp (°C) 40 Emergency Output (Lum/Im) 278 107 High Temp (°C)	LED Lifetime Ls+B1s>33,000h Nightlight Output (Lum/im) - 4000 LED Lifetime
DL86-AL-G1-750NW-MW-DA	Driver lifetime (up to hours) 100,000 Dimensions Ø102mm, 91mm 781 Weight (kg) 0.6	CRI>80 LED Energy Rating D 7.3 CRI	High Temp (°C) 40 Emergency Output (Lum/im) 278 107 High Temp (°C) 40	LED Lifetime Ls+Bs+>33,000h Nightlight Output (Lum/lm) - 4000 LED Lifetime Ls+Bs+>33,000h
DL86-AL-G1-750NW-MW-DA	0.6 Driver lifetime (up to hours) 100,000 Dimensions Ø102mm, 91mm 781 Weight (kg) 0.6 Driver lifetime (up to hours)	CRI>80 LED Energy Rating D 7.3 CRI CRI>80 LED Energy Rating	High Temp (°C) 40 Emergency Output (Lum/im) 278 107 High Temp (°C) 40 Emergency Output (Lum/im)	LED Lifetime Ls+B1s>33,000h Nightlight Output (Lum/im) - 4000 LED Lifetime Ls+B1s>33,000h Nightlight Output (Lum/im)
DL86-AL-G1-750NW-MW-DA	Driver lifetime (up to hours) 100,000 Dimensions Ø102mm, 91mm 781 Weight (kg) 0.6 Driver lifetime (up to hours)	CRI>80 LED Energy Rating D 7.3 CRI CRI>80 LED Energy Rating	High Temp (°C) 40 Emergency Output (Lum/im) 278 107 High Temp (°C) 40 Emergency Output (Lum/im)	LED Lifetime Ls+B1s>33,000h Nightlight Output (Lum/im) - 4000 LED Lifetime Ls+B1s>33,000h Nightlight Output (Lum/im)

Output (Lum/lm)	Load (W)	Efficacy (lm/W)	сст (к)
1007	9.2	110	4000
Weight (kg)	CRI	High Temp (°C)	LED Lifetime
0.6	CRI>80	40	LseB1e>33,000h
Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
100,000	D	293	-
Dimensions			
Ø102mm, 91mm			
1199	10.9	110	4000
Weight (kg)	CRI	High Temp (°C)	LED Lifetime
0.6	CRI>80	40	L80B10>33,000h
Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
100,000	D	293	-
Dimensions			
Ø102mm, 91mm			
	1007 Weight (kg) 0.6 Driver lifetime (up to hours) 100,000 Dimensions Ø102mm, 91mm 1199 Weight (kg) 0.6 Driver lifetime (up to hours) 100,000 Dimensions	1007 9.2 Weight (kg) CRI 0.6 CRI>80 Driver lifetime (up to hours) LED Energy Rating 100,000 D Dimensions Ø102mm, 91mm 1199 10.9 Weight (kg) CRI 0.6 CRI>80 Driver lifetime (up to hours) LED Energy Rating	1007 9.2 110

Fitting Options

DALI with **% Pre-set	-D
DALI-2 Dimming / Monitoring	-DA
Non-Maintained 3 Hour Emergency	-NE
Maintained Emergency 3 Hour	-E3
Central Battery Maintained 110V	-EV
Matt White	-MW

- HT Applies for standard version. For any options (e.g.-E3) please check with technical sales.
- For 240V changeover relay option, please call technical sales on +44 (0)20 8254 2022 to discuss your requirements.
- -NE cannot be combined with -DA.









