



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



## 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  $\underline{TM66}$  and measure embodied carbon (kgCO e) in accordance with  $\underline{TM65.2}$ .

## Impact Resistance Rating: IK14 (100J). What is IK Rating?

**Ingress Protection Rating:** IP65 (from below only). What is IP Rating?

**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.

 $\label{eq:Driver:Remote DALI driver as standard.$ 

Mounting: Ceiling, recessed.

**Cable Entry:** Provision for cable entry in remote driver.

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

## Technical Information

DL86AL	Output (Lum/Im)	Load (W)	Efficacy (Im/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	La B1 0>33,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/Im)
	100,000	D	278	-
	Dimensions	5	2.0	
	Ø102mm, 91mm			
DL86-AL-G1-950WM-MW-DA	973	9.3	105	3000
DL80-AL-G1-750WM-MW-DA	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
		CRI>80	40	Le 0 B1 0>33,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/Im)
	100,000 Dimensions	D	278	-
	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	LsoBio>33,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	Ls «Bs »>33,000h Nightlight Output (Lum/Im)
	Driver lifetime (up to hours)			
	Driver lifetime (up to hours) 100,000 Dimensions	LED Energy Rating	Emergency Output (Lum/Im)	
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	
DL86-AL-G1-750NM-MW-DA	Driver lifetime (up to hours)       100,000       Dimensions       Ø102mm, 91mm       783	LED Energy Rating	Emergency Output (Lum/Im)	
DL86-AL-G1-750NM-MW-DA	Driver lifetime (up to hours) 100,000 Dimensions 0102mm, 91mm	LED Energy Rating	Emergency Output (Lum/lm) 278	Nightlight Output (Lum/Im) -
DL86-AL-G1-750NM-MW-DA	Driver lifetime (up to hours)       100,000       Dimensions       Ø102mm, 91mm       783	LED Energy Rating D 7.4	Emergency Output (Lum/Im) 278 106	Nightlight Output (Lum/Im) - 4000
DL86-AL-G1-750NM-MW-DA	<ul> <li>Driver lifetime (up to hours)</li> <li>100,000</li> <li>Dimensions</li> <li>Ø102mm, 91mm</li> <li>783</li> <li>Weight (kg)</li> </ul>	LED Energy Rating D 7.4 CRI	Emergency Output (Lum/lm) 278 106 High Temp (°C)	Nightlight Output (Lum/Im) - 4000 LED Lifetime
DL86-AL-G1-750NM-MW-DA	Driver lifetime (up to hours)       100,000       Dimensions       Ø102mm, 91mm       783       Weight (kg)       0.6	LED Energy Rating D 7.4 CRI CRI>80	Emergency Output (Lum/Im) 278 106 High Temp (°C) 40	Nightlight Output (Lum/Im) . 4000 LED Lifetime L++B1+>33,000h
DL86-AL-G1-750NM-MW-DA	<ul> <li>Driver lifetime (up to hours)</li> <li>100,000</li> <li>Dimensions</li> <li>Ø102mm, 91mm</li> <li>783</li> <li>Weight (kg)</li> <li>0.6</li> <li>Driver lifetime (up to hours)</li> </ul>	LED Energy Rating D 7.4 CRI CRI>80 LED Energy Rating	Emergency Output (Lum/lm) 278 106 High Temp (°C) 40 Emergency Output (Lum/lm)	Nightlight Output (Lum/Im) . 4000 LED Lifetime L++B1+>33,000h
DL86-AL-G1-750NM-MW-DA	<ul> <li>Driver lifetime (up to hours)</li> <li>100,000</li> <li>Dimensions</li> <li>Ø102mm, 91mm</li> <li>783</li> <li>Weight (kg)</li> <li>0.6</li> <li>Driver lifetime (up to hours)</li> <li>100,000</li> </ul>	LED Energy Rating D 7.4 CRI CRI>80 LED Energy Rating	Emergency Output (Lum/lm) 278 106 High Temp (°C) 40 Emergency Output (Lum/lm)	Nightlight Output (Lum/Im) . 4000 LED Lifetime L++B1+>33,000h
DL86-AL-G1-750NM-MW-DA	<ul> <li>Driver lifetime (up to hours)</li> <li>100,000</li> <li>Dimensions</li> <li>Ø102mm, 91mm</li> <li>783</li> <li>Weight (kg)</li> <li>0.6</li> <li>Driver lifetime (up to hours)</li> <li>100,000</li> <li>Dimensions</li> </ul>	LED Energy Rating D 7.4 CRI CRI>80 LED Energy Rating	Emergency Output (Lum/lm) 278 106 High Temp (°C) 40 Emergency Output (Lum/lm)	Nightlight Output (Lum/Im) . 4000 LED Lifetime L++B1+>33,000h
	Driver lifetime (up to hours)       100,000         Dimensions       0102mm, 91mm         783       Weight (kg)         0.6       Driver lifetime (up to hours)         100,000       Dimensions         00,000       Dimensions         0102mm, 91mm       0.000	LED Energy Rating D 7.4 CRI CRI>80 LED Energy Rating D	Emergency Output (Lum/Im) 278 208 106 High Temp (*C) 40 Emergency Output (Lum/Im) 293	Nightlight Output (Lum/Im)         .         4000         LED Lifetime         LssBss>33,000h         Nightlight Output (Lum/Im)         .
	Driver lifetime (up to hours)         100,000         Dimensions         Ø102mm, 91mm         783         Weight (kg)         0.6         Driver lifetime (up to hours)         100,000         Dimensions         Ø102mm, 91mm         0102mm, 91mm	LED Energy Rating D 7.4 CRI CRI>80 LED Energy Rating D 9.3	Emergency Output (Lum/Im) 278 278 106 106 High Temp (°C) 40 Emergency Output (Lum/Im) 293 109	Nightlight Output (Lum/Im)           -           4000           LED Lifetime           Les 81 =>33,000h           Nightlight Output (Lum/Im)           -           4000
	Driver lifetime (up to hours)         100,000         Dimensions         Ø102mm, 91mm         783         Weight (kg)         0.6         Driver lifetime (up to hours)         100,000         Dimensions         Ø102mm, 91mm         1012         Weight (kg)	LED Energy Rating D T T T T T T T T T T T T T T T T T T	Emergency Output (Lum/Im) 278 278 106 106 106 109 293 293 109 109 109 109 109 109 109 109 109 109	Nightlight Output (Lum/Im)           .           4000           LED Lifetime           Nightlight Output (Lum/Im)           .           4000           Les Bis>33,000h           Nightlight Output (Lum/Im)           .           4000           Les Bis>33,000h           Hightlight Output (Lum/Im)           .           Les Bis>1,000           LED Lifetime           4000           LED Lifetime
	Driver lifetime (up to hours)         100,000         Dimensions         Ø102mm, 91mm         783         Weight (kg)         0.6         Driver lifetime (up to hours)         100,000         Dimensions         Ø102mm, 91mm         1012         Using (kg)         0.6	LED Energy Rating D T T T T T T T T T T T T T T T T T T	Emergency Output (Lum/Im) 278 278 106 106 High Temp (°C) 293 109 109 109 109 109 109 109 109 109 109	Nightlight Output (Lum/Im)           -           4000           LED Lifetime           Nightlight Output (Lum/Im)           -           4000           ListBis>33,000h           Nightlight Output (Lum/Im)           -           4000           LED Lifetime           4000           LED Lifetime           LED Lifetime           Les 1:>33,000h
	Driver lifetime (up to hours)         100,000         Dimensions         0102mm, 91mm         783         Weight (kg)         0.6         Driver lifetime (up to hours)         100,000         Dimensions         0102mm, 91mm         1012         0402mm, 91mm         0402mm, 91mm	LED Energy Rating D T.4 CRI CRI-80 CR	Emergency Output (Lum/Im) 278 278 106 106 High Temp (*C) 293 293 109 109 109 High Temp (*C) 201 109 109 109 109 109 109 109 1	Nightlight Output (Lum/Im)           .

DL86AL	Output (Lum/Im)	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	Ls oB10>33,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/Im)
	100,000	D	293	-
	Dimensions			
	Ø102mm, 91mm			
Wide Beam				
DL86-AL-G1-750WW-MW-DA	765	7.4	103	3000
DL86-AL-G1-750WW-MW-DA		CRI		LED Lifetime
	Weight (kg)		High Temp (°C)	
	0.6	CRI>80	40	L::B::D::D::D::D::D::D::D::D::D::D::D::D:
	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	Ls B1 >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	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	0.6	CRI>80	40	Ls B1 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-G1-750NW-MW-DA	781	7.3	107	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	0.6	CRI>80	40	Ls 6 B1 8>33,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/lm)
	100,000	D	293	
	Dimensions			
	Ø102mm, 91mm			

DL86AL	Output (Lum/Im)	Load (W)	Efficacy (lm/W)	ССТ (К)
Wide Beam				
DL86-AL-G1-1000NW-MW-DA	1007	9.2	110	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	0.6	CRI>80	40	LsoB10>33,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/lm)
	100,000	D	293	
	Dimensions			
	Ø102mm, 91mm			
DL86-AL-G1-1200NW-MW-DA	1199	10.9	110	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	0.6	CRI>80	40	L <sub>80</sub> B <sub>10</sub> >33,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/lm)
	100,000	D	293	-
	Dimensions			
	Ø102mm, 91mm			

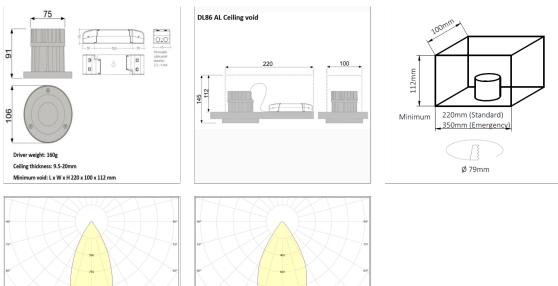
## Fitting Options

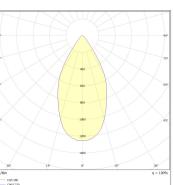
DALI with **% Pre-set	-D
Central Battery Maintained 110V	-EV
Non-Maintained 3 Hour Emergency	-NE
Maintained Emergency 3 Hour	-E3
Matt White	-MW
DALI-2 Dimming / Monitoring	-DA

• 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.





designplan LIGHTING

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