



DL86 AL

IP65

IK14 (100J)

Downlights

Class II

Recessed

HT40°C

TM65/66

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 [TM66](#) and measure embodied carbon (kgCO₂e) in accordance with [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. [All Colour Options 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. [What is Design Life?](#)

■ **Technical Information**

DL86AL	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
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	L ₈₀ B ₁₀ >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	L ₈₀ B ₁₀ >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-G1-1150WM-MW-DA	1175	11	106	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	0.6	CRI>80	40	L ₈₀ B ₁₀ >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-G1-750NM-MW-DA	783	7.4	106	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	0.6	CRI>80	40	L ₈₀ B ₁₀ >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	L ₈₀ B ₁₀ >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)	CCT (K)
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 ₈₀ B ₁₀ >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 ₈₀ B ₁₀ >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-G1-950WW-MW-DA	989	9.3	106	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	0.6	CRI>80	40	L ₈₀ B ₁₀ >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-G1-1150WW-MW-DA	1182	11.2	106	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	0.6	CRI>80	40	L ₈₀ B ₁₀ >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-G1-750NW-MW-DA	781	7.3	107	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	0.6	CRI>80	40	L ₈₀ B ₁₀ >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)	CCT (K)
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	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			
DL86-AL-G1-1200NW-MW-DA	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			

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.

