



RDL AL G2

IP65

IK14 (100J)

Downlights

Class II

Recessed

HT40°C

Custodial

Secure Healthcare

RDL AL G2 is a ligature resistant downlight specifically designed for challenging environments, such as custodial and secure healthcare facilities.

Standard Colours

Matt Black

Smooth White

Product Information

RDL AL G2's uniform illumination ensures a consistent light distribution, enhancing visibility and reducing glare to create a comfortable feel.

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. RDL AL G2 is a ligature resistant fitting, designed to help prevent self-harming, with ligature resistant first fix bezel.

Custodial applications include association areas, police stations and law courts. Secure Health applications include corridors, circulations spaces, police 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 (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: Zinc coated steel body with machined aluminium bezel and face.

Paint: Polyester powder coat. [All Colour Options Available Here.](#)

Diffuser: Polycarbonate diffuser in frame secured with tamperproof screws.

Driver: Remote electronic driver.

Mounting: Ceiling, recessed.

Cable Entry: Provision for cable entry in remote driver.

Design Life: 30+ years. [What is Design Life?](#)

■ Technical Information

RDLALG2	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
Clear				
ALRDL-G2-1100N-C-SW	995	10	100	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	1.6	CRI>80	40	L ₈₀ B ₁₀ >50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	E	310	183
	Dimensions			
	Ø270mm, 121mm			
ALRDL-G2-1500N-C-SW	1448	14.5	100	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	1.6	CRI>80	40	L ₈₀ B ₁₀ >50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	E	310	183
	Dimensions			
	Ø270mm, 121mm			
ALRDL-G2-2000N-C-SW	1795	18.3	98	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	1.6	CRI>80	40	L ₈₀ B ₁₀ >50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	E	310	183
	Dimensions			
	Ø270mm, 121mm			
ALRDL-G2-2500N-C-SW	2224	21.7	102	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	1.6	CRI>80	40	L ₈₀ B ₁₀ >50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	E	310	183
	Dimensions			
	Ø270mm, 121mm			
ALRDL-G2-3000N-C-SW	2614	26.1	100	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	1.6	CRI>80	40	L ₈₀ B ₁₀ >50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	E	310	183
	Dimensions			
	Ø270mm, 121mm			

RDLALG2	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
Clear				
ALRDL-G2-1100W-C-SW	951	10	95	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	1.6	CRI>80	40	L ₈₀ B ₁₀ >50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	E	296	183
	Dimensions			
	Ø270mm, 121mm			
ALRDL-G2-1500W-C-SW	1384	14.5	95	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	1.6	CRI>80	40	L ₈₀ B ₁₀ >50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	E	296	183
	Dimensions			
	Ø270mm, 121mm			
ALRDL-G2-2000W-C-SW	1715	18.3	94	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	1.6	CRI>80	40	L ₈₀ B ₁₀ >50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	E	296	183
	Dimensions			
	Ø270mm, 121mm			
ALRDL-G2-2500W-C-SW	2149	21.7	99	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	1.6	CRI>80	40	L ₈₀ B ₁₀ >50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	E	296	183
	Dimensions			
	Ø270mm, 121mm			
ALRDL-G2-3000W-C-SW	2525	26.1	97	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	1.6	CRI>80	40	L ₈₀ B ₁₀ >50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	E	296	183
	Dimensions			
	Ø270mm, 121mm			

RDALG2	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
Opal				
ALRDL-G2-1100N-X-SW	914	10.2	89	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	1.6	CRI>80	40	L ₈₀ B ₁₀ >50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	E	266	160
	Dimensions			
	Ø270mm, 121mm			
ALRDL-G2-1500N-X-SW	1328	14.9	89	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	1.6	CRI>80	40	L ₈₀ B ₁₀ >50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	E	266	160
	Dimensions			
	Ø270mm, 121mm			
ALRDL-G2-2000N-X-SW	1668	18.6	90	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	1.6	CRI>80	40	L ₈₀ B ₁₀ >50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	E	266	160
	Dimensions			
	Ø270mm, 121mm			
ALRDL-G2-2500N-X-SW	2268	24.9	91	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	1.6	CRI>80	40	L ₈₀ B ₁₀ >50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	E	266	160
	Dimensions			
	Ø270mm, 121mm			
ALRDL-G2-3000N-X-SW	2431	26.5	92	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	1.6	CRI>80	40	L ₈₀ B ₁₀ >50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	E	266	160
	Dimensions			
	Ø270mm, 121mm			

RDLALG2	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
Opal				
ALRDL-G2-1100W-X-SW	873	10.2	86	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	1.6	CRI>80	40	L80B10>50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	E	254	160
	Dimensions			
	Ø270mm, 121mm			
ALRDL-G2-1500W-X-SW	1269	14.9	85	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	1.6	CRI>80	40	L80B10>50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	E	254	160
	Dimensions			
	Ø270mm, 121mm			
ALRDL-G2-2000W-X-SW	1594	18.6	86	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	1.6	CRI>80	40	L80B10>50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	E	254	160
	Dimensions			
	Ø270mm, 121mm			
ALRDL-G2-2500W-X-SW	2191	24.9	88	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	1.6	CRI>80	40	L80B10>50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	E	254	160
	Dimensions			
	Ø270mm, 121mm			
ALRDL-G2-3000W-X-SW	2349	26.5	89	3000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	1.6	CRI>80	40	L80B10>50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	E	254	160
	Dimensions			
	Ø270mm, 121mm			

■ Fitting Options

Night Light	-NL
DALI with **% Pre-set	-D
Maintained Emergency 3 Hour, Self Test	-ES
Change Over Relay, 240V Relay Supplied	-ER
Central Battery Maintained 110V	-EV
Maintained Emergency 3 Hour, DALI	-ED
Maintained Emergency 3 Hour	-E3
Matt Black	-MB
Smooth White	-SW
Switch Dimming	-DI
DALI-2 Dimming / Monitoring	-DA

- For paint colour options, please replace -SW with required paint code.
- HT Applies for standard version. For any options (e.g. -E3), please contact technical sales on +44 (0)20 8254 2022 or email technical@designplan.co.uk.
- -NL option fitting is Electrical Class I.
- -EV option fitting is Electrical Class I.
- -ER option fitting is Electrical Class I.

