

RDL AL G2



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



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 <u>TM66</u> and measure embodied carbon (kgCO e) 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. <u>All Colour Options</u> 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 Hum (Im)	Lood (MA)	F66 conviller (AA)	CCTIV
	Output (Lum/Im)	Load (W)	Efficacy (lm/W)	сст (к)
Clear				
ALRDL-G2-1100N-C-SW	995	10	100	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	1.6	CRI>80	40	LssB1s>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	LseB1e>50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	Е	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	LsoB1o>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	LseBie>50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	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	LseB1e>50,000h
	1.6 Driver lifetime (up to hours)	CRI>80 LED Energy Rating	40 Emergency Output (Lum/Im)	LsoB1o>50,000h Nightlight Output (Lum/lm)
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/lm)
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/lm)

PDI ALC3	Cutavit II van II m	Lood (MA)	Efficacy (Inv DAD)	CCT (V)
RDLALG2	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	сст (К)
Clear				
ALRDL-G2-1100W-C-SW	951	10	95	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/Im)	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 ₈ ₈ B ₁ ₈ >50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/Im)
	100,000	Е	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	LseB1e>50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/Im)
	100,000	Е	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	L80B10>50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/lm)
	100,000	Е	296	183
	Dimensions			
	Ø270mm, 121mm			
ALRDL-G2-3000W-C-SW	2525	26.1	97	3000
	Weight (kg)	CRI	High Temp (℃)	LED Lifetime
	1.6	CRI>80	40	Ls B1 6>50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	Е	296	183
	Dimensions			
	Dimensions Ø270mm, 121mm			

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n/Im)
n/lm)
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n/lm)
n/lm)
n/lm)

RDLALG2	Output (Lum/lm)	Load (M/)	Efficacy (Im (M)	CCT (K)
RDLALGZ	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	cer(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/Im)	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	LsoB10>50,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	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	LsoB1o>50,000h
	1.6 Driver lifetime (up to hours)	CRI>80 LED Energy Rating	40 Emergency Output (Lum/lm)	L ₀ oB ₁ o>59,000h Nightlight Output (Lum/Im)
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/lm)
	Driver lifetime (up to hours) 100,000	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/lm)
ALRDL-G2-2500W-X-SW	Driver lifetime (up to hours) 100,000 Dimensions	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/lm)
ALRDL-G2-2500W-X-SW	Driver lifetime (up to hours) 100,000 Dimensions 0270mm, 121mm	LED Energy Rating	Emergency Output (Lum/lm) 254	Nightlight Output (Lum/Im) 160
ALRDL-G2-2500W-X-SW	Driver lifetime (up to hours) 100,000 Dimensions Ø270mm, 121mm	E 24.9	Emergency Output (Lum/lm) 254	Nightlight Output (Lum/Im) 160 3000
ALRDL-G2-2500W-X-SW	Driver lifetime (up to hours) 100,000 Dimensions Ø270mm, 121mm 2191 Weight (kg)	E 24.9 CRI	Emergency Output (Lum/lm) 254 88 High Temp (°C)	Nightlight Output (Lum/Im) 160 3000 LED Lifetime
ALRDL-G2-2500W-X-SW	Driver lifetime (up to hours) 100,000 Dimensions Ø270mm, 121mm 2191 Weight (kg) 1.6	E 24.9 CRI CRI>80	Emergency Output (Lum/lm) 254 88 High Temp (°C)	Nightlight Output (Lum/Im) 160 3000 LED Lifetime LeoBlo>50,000h
ALRDL-G2-2500W-X-SW	Driver lifetime (up to hours) 100,000 Dimensions 0270mm, 121mm 2191 Weight (kg) 1.6 Driver lifetime (up to hours)	E 24.9 CRI CRI>80 LED Energy Rating	Emergency Output (Lum/lm) 254 88 High Temp (°C) 40 Emergency Output (Lum/lm)	Nightlight Output (Lum/Im) 160 3000 LED Lifetime L++81+>50,000h Nightlight Output (Lum/Im)
ALRDL-G2-2500W-X-SW	Driver lifetime (up to hours) 100,000 Dimensions 0270mm, 121mm 2191 Weight (kg) 1.6 Driver lifetime (up to hours)	E 24.9 CRI CRI>80 LED Energy Rating	Emergency Output (Lum/lm) 254 88 High Temp (°C) 40 Emergency Output (Lum/lm)	Nightlight Output (Lum/Im) 160 3000 LED Lifetime L++81+>50,000h Nightlight Output (Lum/Im)
ALRDL-G2-2500W-X-SW ALRDL-G2-3000W-X-SW	Driver lifetime (up to hours) 100,000 Dimensions 0270mm, 121mm 2191 Weight (kg) 1.6 Driver lifetime (up to hours) 100,000 Dimensions	E 24.9 CRI CRI>80 LED Energy Rating	Emergency Output (Lum/lm) 254 88 High Temp (°C) 40 Emergency Output (Lum/lm)	Nightlight Output (Lum/Im) 160 3000 LED Lifetime L++81+>50,000h Nightlight Output (Lum/Im)
	Driver lifetime (up to hours) 100,000 Dimensions Ø270mm, 121mm 2191 Weight (kg) 1.6 Driver lifetime (up to hours) 100,000 Dimensions Ø270mm, 121mm	E 24.9 CRI CRI>80 LED Energy Rating	Emergency Output (Lum/lm) 254 88 High Temp (°C) 40 Emergency Output (Lum/lm) 254	Nightlight Output (Lum/Im) 160 3000 LED Lifetime L** oB** oB** oB** oB** oB** oB** oB** o
	Driver lifetime (up to hours) 100,000 Dimensions 0270mm, 121mm 2191 Weight (kg) 1.6 Driver lifetime (up to hours) 100,000 Dimensions 0270mm, 121mm	E 24.9 CRI CRI>80 LED Energy Rating E	Emergency Output (Lum/lm) 254 88 High Temp (°C) 40 Emergency Output (Lum/lm) 254	Nightlight Output (Lum/Im) 160 3000 LED Lifetime L++81+>50,000h Nightlight Output (Lum/Im) 160 3000
	Driver lifetime (up to hours) 100,000 Dimensions Ø270mm, 121mm 2191 Weight (kg) 1.6 Driver lifetime (up to hours) 100,000 Dimensions Ø270mm, 121mm 2349 Weight (kg)	E 24.9 CRI CRI>80 LED Energy Rating E	Emergency Output (Lum/lm) 254 88 High Temp (°C) 40 Emergency Output (Lum/lm) 254 89 High Temp (°C)	Nightlight Output (Lum/Im) 160 3000 LED Lifetime L**081*>50,000h Nightlight Output (Lum/Im) 160 3000 LED Lifetime
	Driver lifetime (up to hours) 100,000 Dimensions 0270mm, 121mm 2191 Weight (kg) 1.6 Driver lifetime (up to hours) 100,000 Dimensions 0270mm, 121mm 2349 Weight (kg) 1.6	E 24.9 CRI CRI>80 LED Energy Rating E 26.5 CRI CRI>80	Emergency Output (Lum/lm) 254 88 High Temp (°C) 40 Emergency Output (Lum/lm) 254 89 High Temp (°C) 40	Nightlight Output (Lum/Im) 160 3000 LED Lifetime L++81+>50,000h Nightlight Output (Lum/Im) 160 3000 LED Lifetime L++81+>50,000h
	Driver lifetime (up to hours) 100,000 Dimensions Ø270mm, 121mm 2191 Weight (kg) 1.6 Driver lifetime (up to hours) 100,000 Dimensions Ø270mm, 121mm 2349 Weight (kg) 1.6 Driver lifetime (up to hours)	E 24.9 CRI CRI>80 LED Energy Rating E 26.5 CRI CRI>80	Emergency Output (Lum/lm) 254 88 High Temp (°C) 40 Emergency Output (Lum/lm) 254 89 High Temp (°C) 40 Emergency Output (Lum/lm)	Nightlight Output (Lum/Im) 160 3000 LED Lifetime L = 0 B 1 => 50 , 000 h Nightlight Output (Lum/Im) 160 3000 LED Lifetime L = 0 B 1 => 50 , 000 h Nightlight Output (Lum/Im)

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

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











