



Redan 100

IP66

IK14 (100J)

Linear

Class I

Surface

TM65/66

Transport

Redan 100 is a maintenance pit luminaire, specifically designed for light duty maintenance pits within rail facilities.

Standard Colours

Textured Black

Matt Titanium

- Product Information

Redan 100 has separate upward and downward illumination to ensure efficient lighting for both the underside of vehicles and the pit floor.

Redan 100 has been carefully designed to minimise glare, by restricting the output based on the illuminous surface area, in order to comply with BS-EN 12464-1 (1000lm per 300cm²).

Redan 100's unique shape helps minimise the risk of injury by minimising the protrusion into pit and by deflecting falling objects downwards. With high levels of impact and ingress resistance, Redan 100 is designed to endure the harsh environments expected within rail maintenance pits.

Rail applications include illuminating sunken, light duty maintenance pits within rail facilities.

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: IP66. [What is IP Rating?](#)

Housing: Zinc coated steel body.

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

Diffuser: Flush clear polycarbonate, with glare reduction film.

Driver: Electronic control gear on a removable tray for ease of repair/upgrade with fused plug & socket connector block.

Mounting: Wall.

Cable Entry: Supplied with flying lead.

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

■ **Technical Information**

Redan100	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
L1051mm				
RDN-4-1400N-MT	1419	12	118	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	15.1	CRI>80	-	L ₉₀ B ₁₀ >72,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	B	327	-
Dimensions				
1051mm x 281mm x 110mm				
RDN-4-3500N-MT	3442	26.2	131	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	15.1	CRI>80	-	L ₉₀ B ₁₀ >72,000h
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/lm)	Nightlight Output (Lum/lm)
	100,000	B	327	-
Dimensions				
1051mm x 281mm x 110mm				

Fitting Options

Microwave Sensor - Basic	-M1
Emergency Lithium	-EL
Emergency Lithium, Self Test	-EJ
Emergency Lithium DALI	-EK
Textured Black	-TB
Matt Titanium	-MT
DALI-2 Dimming / Monitoring	-DA

- For paint colour options, please replace -MT with required paint code.
- Remote control for Basic MWS -M1, order code : HRC-05.

