

Redoubt 100								
IP66	IP69	ІР69К	IK16 (150J)	Linear	Class I			
Surface								
Transpo	rt							

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

Standard Colours Stainless Steel Finish

Product Information

Redoubt 100 incorporates separate upward and downward illumination ensuring uniform lighting for both the underside of vehicles and the pit floor. Redoubt 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 (1000Im per 300cm²). Redoubt 100 has been tested to IP69K to ensure cleaning at high pressure and temperature.

Redoubt 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, Redoubt 100 is designed to endure the harsh environments expected within rail maintenance pits.

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

This luminaire is designed for longevity and sustainability and adheres to our circular design principles. We conduct a circular economy assessment using $\underline{\mathsf{TM66}}$ and measure embodied carbon (kgCO e) in accordance with $\underline{\mathsf{TM65.2}}$.

Impact Resistance Rating: IK16 (150J). What is IK Rating? Ingress Protection Rating: IP66, IP69, IP69K. What is IP Rating? Housing: Marine grade stainless steel body. Paint: N/A. 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

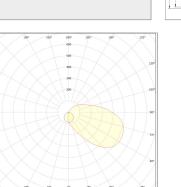
Redoubt100	Output (Lum/Im)	Load (W)	Efficacy (lm/W)	сст (К)			
L1050mm							
RDT-4-1400N-SF	1419	12	118	4000			
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime			
	13.5	CRI>80	-	L ₉ eB ₁ e>72,000h			
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/Im)			
	100,000	В	327	-			
	Dimensions						
	1051mm x 281mm x 114mm						
RDT-4-3500N-SF	3442	26.2	131	4000			
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime			
	13.5	CRI>80	-	L ₉ eB ₁ e>72,000h			
	Driver lifetime (up to hours)	LED Energy Rating	Emergency Output (Lum/Im)	Nightlight Output (Lum/Im)			
	100,000	В	327	-			
	Dimensions						
	1051mm x 281mm x 114mm						

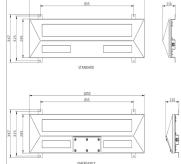
Fitting Options

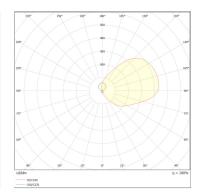
Microwave Sensor - Basic	-M1
Emergency Lithium	-EL
Emergency Lithium, Self Test	-EJ
Emergency Lithium DALI	-EK
Stainless Steel Finish	-SF
DALI-2 Dimming / Monitoring	-DA

• Remote control for Basic MWS -M1, order code : HRC-05.











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