



Redoubt 100

IP66

IP69

IP69K

IK16 (150J)

Linear

Class I

Surface

Transport

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 (1000lm 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.

Impact Resistance Rating: IK16 (150J). More information, [CLICK HERE](#).

Ingress Protection Rating: IP66, IP69, IP69K. More information, [CLICK HERE](#).

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.

■ **Technical Information**

Redoubt100	Output (Lum/lm)	Load (W)	Efficacy (lm/W)	CCT (K)
L1050mm				
RDT-4-1400N-SF	1419	12	118	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	13.5	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				
RDT-4-3500N-SF	3442	26.2	131	4000
	Weight (kg)	CRI	High Temp (°C)	LED Lifetime
	13.5	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 - Intelligent (Basic)	-M5
DALI-2 Dimming / Monitoring	-DA
Emergency Lithium DALI	-EK
Emergency Lithium, Self Test	-EJ
Emergency Lithium	-EL
Stainless Steel Finish	-SF

- Remote control for Intelligent MWS -M5, order code : HRC-05.

