

# R-RANGE



IP66  
Ingress Protection



IK08  
Impact Resistance



4.2kg



Electrical Class I



-20 to +40°C



LED Light Source

## SPECIFICATION

- ✓ LED colour temperature 3000K or 4000K
- ✓ Colour rendering index >70
- ✓ Projected L90 after 100,000 hours
- ✓ Power factor 0.95 at full load
- ✓ C5M corrosion resistant stainless steel (grade 316L) luminaire body
- ✓ Optical window manufactured from 5mm moulded, toughened safety glass, incorporating a secondary integral ingress-protection seal
- ✓ Material construction suitable for use in sub-surface applications including low plastic content and EN45545-2 approved gaskets
- ✓ External earthing stud option
- ✓ Modular replaceable construction
- ✓ Plug and play connections
- ✓ Dim level 10-100%
- ✓ Lumi-LinQ - a lighting control, status and reporting system - optional
- ✓ DALI compatible for use with CMS
- ✓ Emergency option
- ✓ Designed to replace incumbent luminaire, including common fixing centres and twin cable glands suitable for 3-core 16mm<sup>2</sup> SWA cable
- ✓ Effortless maintenance with tool-less access
- ✓ Safety mechanisms in place to prevent door from opening unintentionally
- ✓ Optional tamperproof key
- ✓ Luminaire designed in compliance to Section 12 (Sub-Surface Railway Stations) and BS-EN-IEC60598-1 2021+A11:2022, -2-3, -2-22



## RANGE OVERVIEW

Type	System Power	Wide Distribution	CCT	Lumen Output	CRI
R32	10-22W	✓	3000K or 4000K	Up to 3,387lm	>70

## ELECTRICAL CHARACTERISTICS

System Power	10-22W
LED CCT	3000K or 4000K
LED CRI	>70
Lumen Output	Up to 3,387lm
Lumen Maintenance	Projected L90 after 100,000 hours
Drive Current	215mA
Driver Output	Constant current
Power Factor (Full Load/Half Load)	0.95/0.90
Operational Voltage	220-240VAC rms
Operating Frequency	50/60Hz
Inrush Current (Apk/50%-S)	32A/355µS
Running Current (max)	106mA
Surge Protection (COM/DIF)	10kV/6kV
Lighting Control Options	Lumi-LinQ
Dimming Protocols	DALI

## Maximum loading of automatic circuit breakers in relation to inrush current

Automatic circuit breaker type	C10	C13	C16	C20	B10	B13	B16	B20	Inrush current	
	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	4 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	4 mm <sup>2</sup>	Max	Time
LCO 60/200-1050/100 o4a NF C EXC3	10	13	16	21	6	8	10	13	32A	355 µs

## MECHANICAL CHARACTERISTICS

Housing Material	C5M corrosion resistant stainless steel (grade 316L)
Cover Material	5mm toughened, moulded safety glass
Lens Material	PMMA
Ingress Protection Rating	IP66
Weight	4.2kg
Impact Resistance Rating	IK08
Mounting Methods	Wall mounted

## ORDERING CODES

### REQUIRED

Product Code	Generation No.	Power (W)	Distribution	CCT	Construction	Cover	Mounting Bracket	Connectors
R32 R-Range 32 LED	1 = 1st Release	10 - 22 = (in 1 watt steps)	T11 = Tunnel Optic 11	4K = 4000K  3K = 3000K	ST = 316 Stainless Steel	G = Glass Bowl	1B = 1 Bracket	DR = DIN Rail  CR = Ceramic

### OPTIONAL

Control	Emergency	Anti-Tamper	Earthing
LL = Lumi-LinQ Tunnel (Status/Reporting/ Group Control)	WEM = Wireless LL Emergency 3hr	AT = Anti Tamper	EP = External Earth Rod