

Integrated Mariner UK



Product information

The Tungshram Integrated Mariner UK range is a standard simple LED solution for replacement of conventional LFL T8 luminaires. IP65 rated, where effective protection against contamination from water or accidental damage are major considerations for the end-user. Neutral aesthetics render the product suitable for applications in industrial, commercial and residential environments.

Benefits

- Direct replacement for single/twin LFL T8 fixtures
- High energy savings up to 50% compared to luminaires that use fluorescent lamps
- Functional design with easy, flexible installation
- Affordable solution for retrofit or new installations
- Reduced replacement and maintenance costs

Features

- High luminous efficacy: up to 115 lm/W
- 50 000 hours lifetime (L70)
- Osram driver and Samsung LED chips
- Nominal Voltage: 220-240V
- Operating frequency: 50/60Hz
- Available in four lumen output versions up to 7000lm
- CCT 4000K
- Color rendering index: CRI 80+
- Operation temperature: -30°C to +35°C
- IP65 protection
- IEC protection Class I
- IK07
- 3x1.5mm through wiring, 3pole connectors
- open-up PC cover for easy installation

Fixture structure

- Body: impact-resistant, self-extinguishing polycarbonate cover, grey color
- Cover: UV stabilized, flame retardant polycarbonate with improved light transmission and good color stability under heat exposure
- Metal clips
- Optional 3 waterproof plastic connector both for side and rear entry connections
- Convenient assembly bracket for ceiling mount, also opportunities for wall mounting with metal parts

Application areas



Industrial/
Storage



Car park

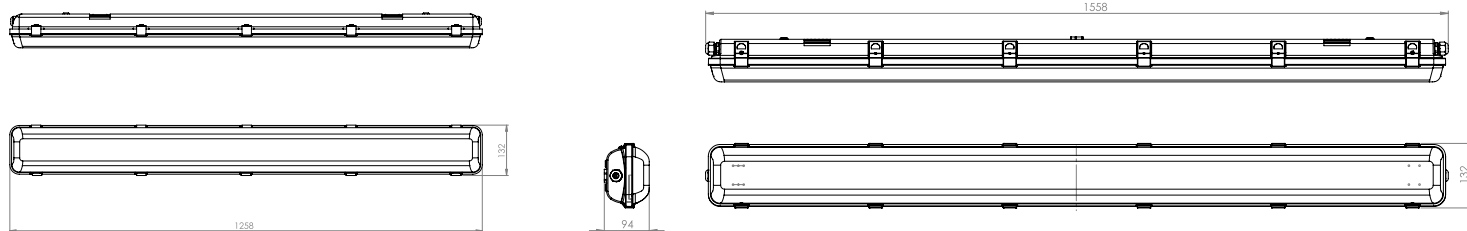


Underpasses/
Workshops, assembly lines

Specification summary

Product Code	Product Code (DS)	Description	Lumen (lm)	Wattage (W)	Efficacy (lm/W)	CCT (K)	IP rating	Control	CRI	PF
93110381	TBD	LED Mariner UK G1 TU 4' 24W 840 S	2760	24	115	4000K	IP65	No	80+	>0.9
93110382	TBD	LED Mariner UK G1 TU 4' 43W 840 S	4950	43	115	4000K	IP65	No	80+	>0.9
93110383	TBD	LED Mariner UK G1 TU 5' 33W 840 S	3800	33	115	4000K	IP65	No	80+	>0.9
93110384	TBD	LED Mariner UK G1 TU 5' 67W 840 S	7050	67	105	4000K	IP65	No	80+	>0.9

Dimensions (mm)



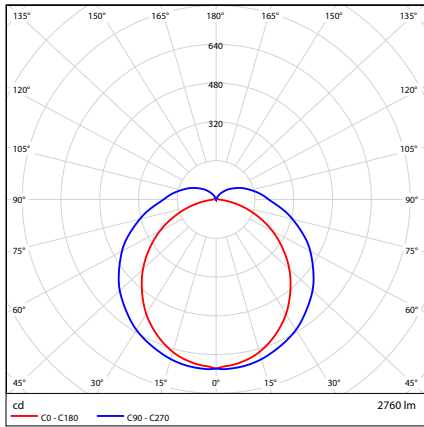
Model	Fixture LxWxH (incl driver)	Weight incl driver (kg)	Driver (LxWxH)	Driver weight (g)
LED Mariner UK G1 TU 4' 24W 840 S	1258x83x86mm	1.205	280x30x21mm	166
LED Mariner UK G1 TU 4' 43W 840 S	1258x132x94mm	2.290	280x30x21mm	195
LED Mariner UK G1 TU 5' 33W 840 S	1558x83x86mm	1.925	280x30x21mm	166
LED Mariner UK G1 TU 5' 67W 840 S	1558x132x94mm	2.855	360x30x21mm	261

Ordering information

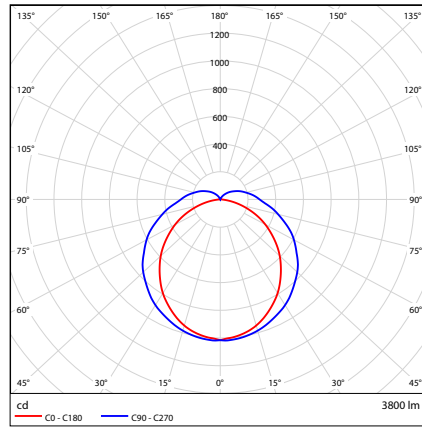
Internal Code	Generation	Brand	Length	Wattage	CRI	CRI + CCT	Control
LED Mariner U	G1 - Generation 1	TU - TUNGSRAM	4' - 4 feet 5' - 5 feet	24W	8 - 80 CRI	40 - 4000K	S - Static
				33W			
				43W			
				67W			

Example: LED Mariner UK G1 TU 4' 43W 840 S - 43W 4000K static Integrated Mariner 1258mm length

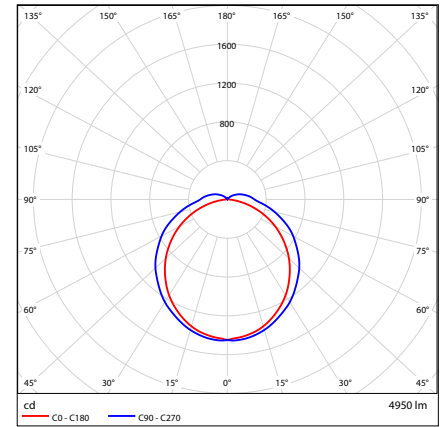
Photometric data



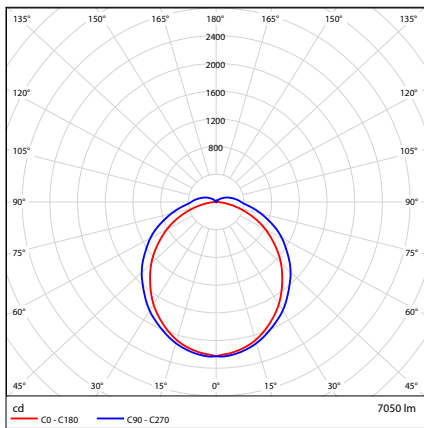
24W 4000K



33W 4000K



43W 4000K



67W 4000K

Photometry is based on LM79

Regulatory and standards

Regulatory mark: CE

Regulations: 2014/35/EU, 2014/30/EU, 2011/65/EU, (framework 2009/125/EC) EU/1194/2012 amended by EU 2015/1428, (framework 2010/30/EC) 874/2012 and 518/2014*, 2012/19/EU*

Harmonised standards: EN 60598, EN 62493, EN 61547, EN55015, EN 61000, refer to CE Declaration of Conformity and Technical File for details

Photobiological risk assessment group 1. The product is considered safe, does not pose any photobiological hazard

*not on DOC