



Linear Indirect



DATA SHEET



Product information

The Tungstram Linear Indirect range is designed to deliver efficient lighting for commercial and education applications. These efficient lighting fixtures have a long life and deliver a remarkable efficacy (up to 136lm/W), allowing for lower maintenance and operating costs.

Features & benefits

- Visually appealing illumination with CRI 80+
- High luminous efficiency with minimal glare (<UGR19) due to indirect reflector solution
- Provides strong horizontal and vertical illuminance
- Available in two length: 1250 and 1650 mm
- Optional DALI or static control
- Energy efficient replacement for traditional LFL solutions
- Long rated life & low maintenance: L90B50 75,000+ hours
- Assembled with Nichia LED chips and Tridonic static or BAG DALI driver
- Available in 3000K
- 4 different wattages from 30W to 50W and up to 135 lm/W efficacy, 77W 10.000lm optional
- PF ≥0.92
- Operating temperature +5°C to +35°C
- 220-240V, 50/60Hz



Installation

Surface and suspended mounting (optional). 2 mounting brackets are included with each fixture. Suspension wire kits are also available.

Electrical and gear compartment

- Thermal overload protection shuts down the luminaire when system temperatures exceed designed operating conditions.
- THD: <20%

Structures and materials

- Fully recyclable heatsink
- IP Rating: IP20

Application areas



Low bay open ceiling applications



Industrial / Warehouse



Retail

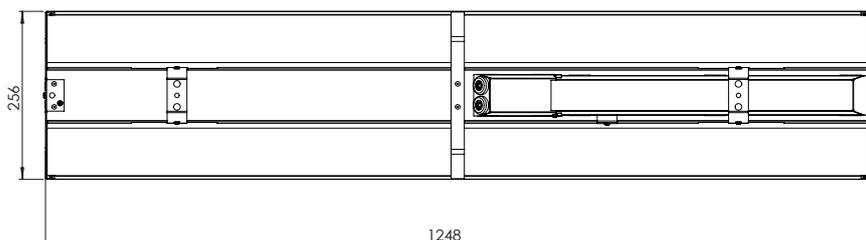
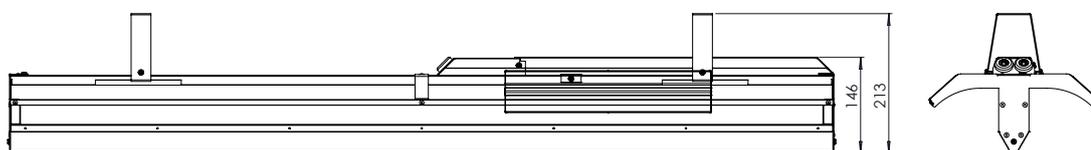


Commercial

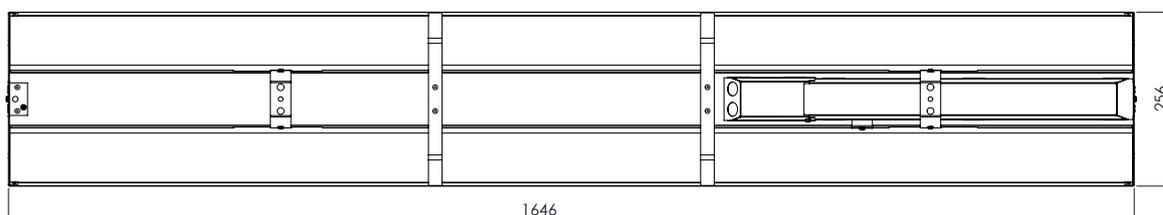
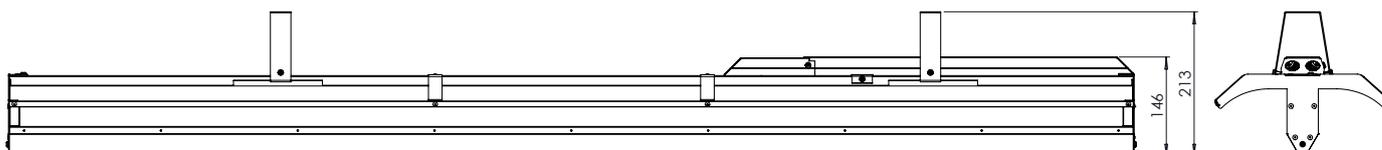
Specification summary

Product code	Description	Wattage	Lumen Output (lm)	Efficacy (lm/W)	CCT	CRI	Control	Input Current (mA)
93114760	TU LINEAR INDIRECT 30W 12 830 S11 ST	30	4 000	133	3000	≥80	Static	136
93114761	TU LINEAR INDIRECT 30W 12 830 D11 ST	30	4 000	133	3000	≥80	DALI	136
93114762	TU LINEAR INDIRECT 38W 12 830 S11 ST	38	5 000	132	3000	≥80	Static	175
93114763	TU LINEAR INDIRECT 38W 12 830 D11 ST	38	5 000	132	3000	≥80	DALI	175
93114764	TU LINEAR INDIRECT 40W 16 830 S11 ST	40	5 300	133	3000	≥80	Static	181
93114765	TU LINEAR INDIRECT 40W 16 830 D11 ST	40	5 300	133	3000	≥80	DALI	181
93115046	TU LINEAR INDIRECT 50W 16 830 S11 ST	50	6 800	136	3000	≥80	Static	227
93115047	TU LINEAR INDIRECT 50W 16 830 D11 ST	50	6 800	136	3000	≥80	DALI	227

Dimensions (mm)



Wattage: 30W, 38W
Weight: 4.8kg



Wattage: 40W, 50W
Weight: 5.9kg

Regulatory and standards

Regulatory mark: CE

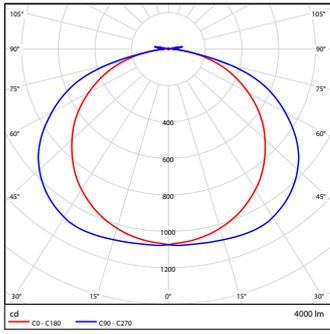
Regulations: 2014/35/EU, 2014/30/EU, 2011/65/EU, (framework 2009/125/EC) EU/1194/2012 amended by EU 2015/1428, (framework 2010/30/EC) 874/2012 and 518/2014*, 2012/19/EU*

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

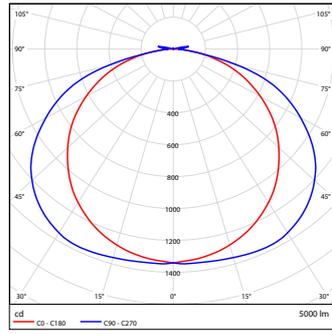
Photobiological risk assessment group 0. The product is considered safe, does not pose any photobiological hazard

*not on DOC

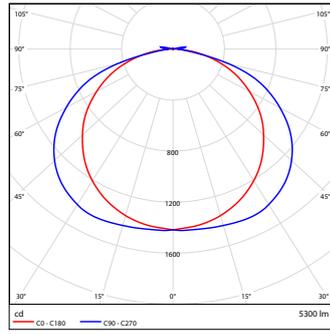
Photometric data - 4000K



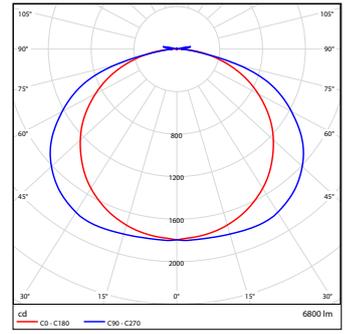
30W - 4000lm



38W - 5000lm



40W - 5300lm



50W - 6800lm

Photometry is based on LM79

Order logic

Internal Code	Wattage	Length	Light color (CRI + CCT)	Control	Mounting	Other
TU LINEAR INDIRECT	30W	12 - 1250 mm	830 - 80 CRI, 3000K	S - Static D - Dali with push dim	11 - Standalone	ST - No emergency
	38W		835 - 80 CRI, 3500K			
	40W 50W	16 - 1650 mm	840 - 80 CRI, 4000K			

Example: TU LINEAR INDIRECT 50W 12 835 S11 ST

Standalone 1450mm long Linear Indirect fixture 50W 80 CRI 3500K CCT with static control