



High Bay IP66 and IP65



Product information

This new IP66 rated LED fixture range offers an exceptional mixture of value and performance for High Bay applications requiring high water and impact resistance. This brand new Tungsram developed range has been upgraded to reach very high efficacy up to 182 lm/W with lumen packages from 10,000 to 44,000 lumens. The range includes wide variety of alternatives for colour temperature, color rendering, beam angle and control systems to fit customer requirements. DALI, IoT and various sensor versions offer individual and grouped fixture control. Designed to replace high watt HID and T5/T8 LFL fixtures.

Applications

- Designed to meet luminance and illuminance requirements for High bay and Low bay applications where water resistance and high impact resistance is specified

Application areas



Warehouses
Production halls



Sports halls



Logistics



Airplan hangars

Housing

- Robust extruded aluminum body with integrated cooling ribs and tempered glass window
- IP66 for DALI and Fixed Output, IP65 for Sensor versions. Protection level against mechanical impact IK07, IK02 for sensored version.

Controls

- Available with various driver and sensor options.
- All DALI drivers use DALI1 protocol.
- Sensors working frequency is 5.8Ghz.
- Transmitting data on the same frequency band in close proximity to the installation of sensor products may cause potential interferences.
- 1H25, 2H30, 1S22 and 1S30 has 2 drivers, DALI versions have 2 DALI addresses.
- Motion & lux sensor – enables standalone fixture control up to 12m
- (Radio Frequency) sensor in a local lighting control system grid without additional DALI wires, up to 12m installation height. Can be used with High (H) and Standard (S) series as well.

Finish

- Painted white finish with standard color: RAL 9016

Mounting

- Two mounting options: Bracket kit for ceiling and wall mounting or Suspension holder kit

LED & Optical Assembly

- Utilising the high performing NEW Tungsram optics system to provide optimised illumination for open floor and racked aisles with photometric distributions of 30, 60, 90 and 120 degrees
- Lumen packages up to 44,000 lumens
- 4000K & 5000K versions
- 70 & 80 CRI options

Electrical

- 220-240V/50-60Hz
- System power factor is >90% and THD <20%
- All package includes 1m long pre-cable

Order Logic

TU High bay IP66 - Standard														
TU HB IP66 G1			1S10 - 1M Std 10klm		4K - 4000K 70 CRI70		C1 - 120° Clear		FX - Fix output DL - DALI		ST - Standard		PC - Pre - cabled	
			1S20 - 1M Std 20klm		5K - 5000K 70 CRI70		L9 - 90° Clear						QC - Quick Connect	
			1S30 - 1M Std 30klm		4K - 4000K 80 CRI80		L6 - 60° Clear							
					5K - 5000K 80 CRI80		L3 - 30° Clear							
TU High bay IP65 - Standard														
TUHB IP65 G1			1S10 - 1M Std 10klm		4K - 4000K 70 CRI70		C1 - 120° Clear		SN - Sensor (ON / OFF) RF - Sensor (Motion & Lux)		ST - Standard		PC - Pre - cabled	
			1S20 - 1M Std 20klm		5K - 5000K 70 CRI70		L9 - 90° Clear						QC - Quick Connect	
			1S30 - 1M Std 30klm		4K - 4000K 80 CRI80		L6 - 60° Clear							
					5K - 5000K 80 CRI80		L3 - 30° Clear							
TU High bay IP66 - High Efficiency														
TUHB IP66 G1			1H10 - 1M High 10klm		4K - 4000K 70 CRI70		C1 - 120° Clear		DL - DALI		ST - Standard		PC - Pre - cabled	
			1H20 - 1M High 20klm		5K - 5000K 70 CRI70		L9 - 90° Clear						QC - Quick Connect	
			2H30 - 2M High 30klm		4K - 4000K 80 CRI80		L6 - 60° Clear							
			2H45 - 2M High 45klm		5K - 5000K 80 CRI80		L3 - 30° Clear							
TU High bay IP65 - High Efficiency														
TUHB IP65 G1			1H10 - 1M High 10klm		4K - 4000K 70 CRI70		C1 - 120° Clear		RF - Sensor (Motion & Lux)		ST - Standard		PC - Pre - cabled	
			1H20 - 1M High 20klm		5K - 5000K 70 CRI70		L9 - 90° Clear						QC - Quick Connect	
			2H30 - 2M High 30klm		4K - 4000K 80 CRI80		L6 - 60° Clear							
			2H45 - 2M High 40klm		5K - 5000K 80 CRI80		L3 - 30° Clear							

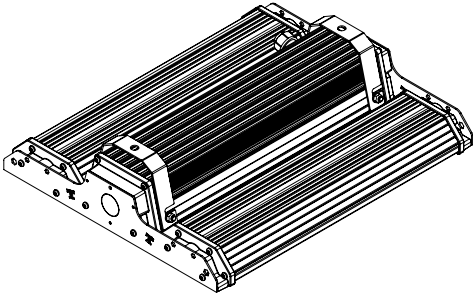
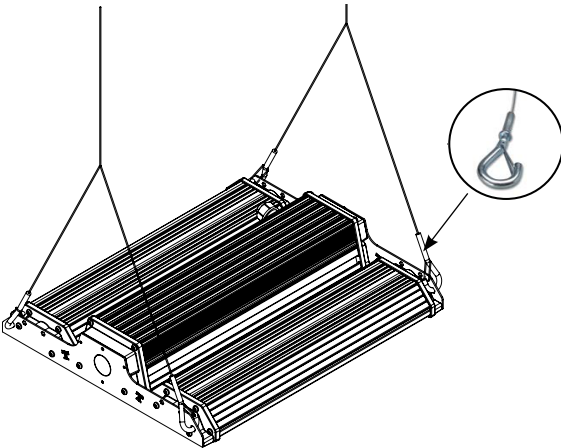
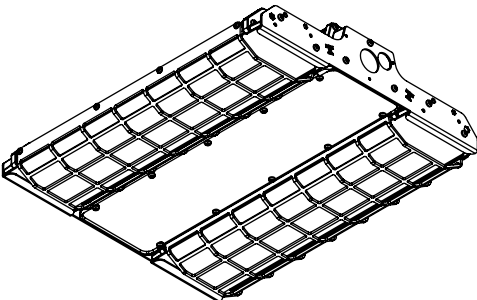
Optical multipliers**	
C1	100%
L9	92,5%
L6	93,1%
L3	98,3%

*any other lumen maintenance value upon request
 **all lumen values have been measured with C1 optics, in any other case please use the optical multipliers

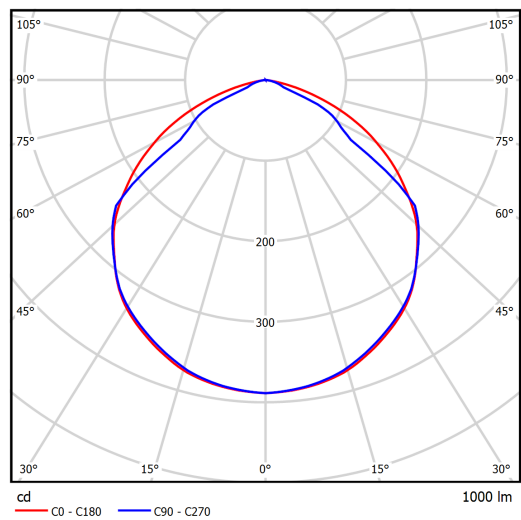
	Life time standard efficiency [h]	Life time High efficiency [h]
L80B10	45-137K*	74-98 K*
L90B10	20-67 K	32-42K
L80B20	53-167 K	81-103 K
L90B20	23-81 K	34-45K
L80B50	72-238 K	94-116 K
L90B50	30-115 K	40-50 K

* Depending on variant

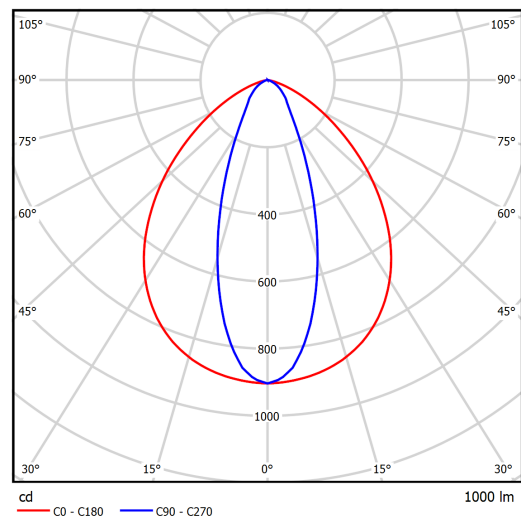
Mounting & Accessories

Mounting Options	Image	Accessories
<p>Bracket kit (optional) Order separately. Attaches to M10 threaded rod (rod and nuts not included).</p>		<p>High Bay IP66 fixture Bracket kit 93108565</p>
<p>Suspension holder kit (optional) Order separately. Price adder per pair.</p>		<p>Cable options:</p> <p>93118332 1500MM Y-CABLE HOOK PAIR FOR HIGH BAY 52</p> <p>93118333 3000MM Y-CABLE HOOK PAIR FOR HIGH BAY 52</p> <p>93118334 4500MM Y-CABLE HOOK PAIR FOR HIGH BAY 52</p> <p>93118335 6000MM Y-CABLE HOOK PAIR FOR HIGH BAY 52</p>
<p>Protective Cover (optional) IK10 Order separately. Protect the front side of the fixture from strong mechanical effect.</p>		<p>Protective Cover 93120168</p>

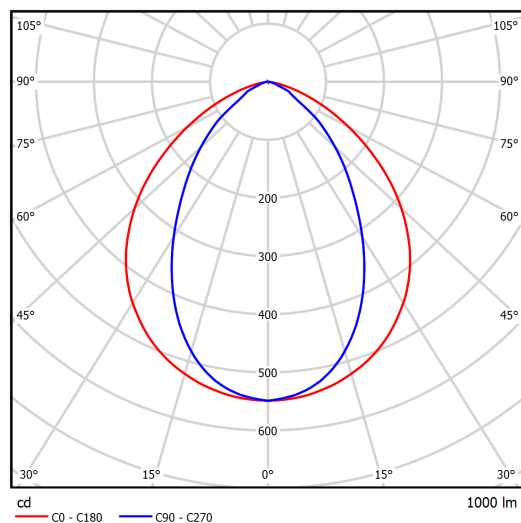
Photometric data



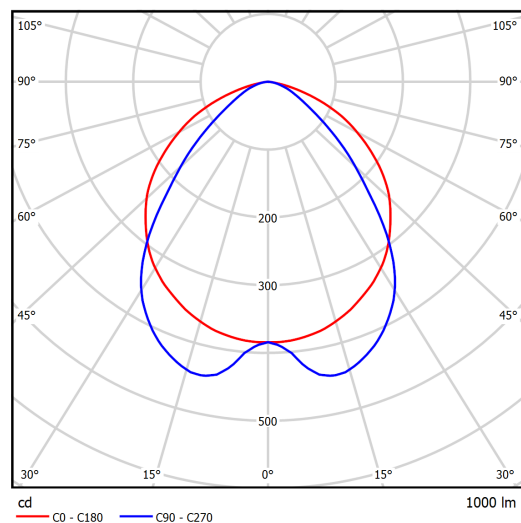
C1



L3



L6



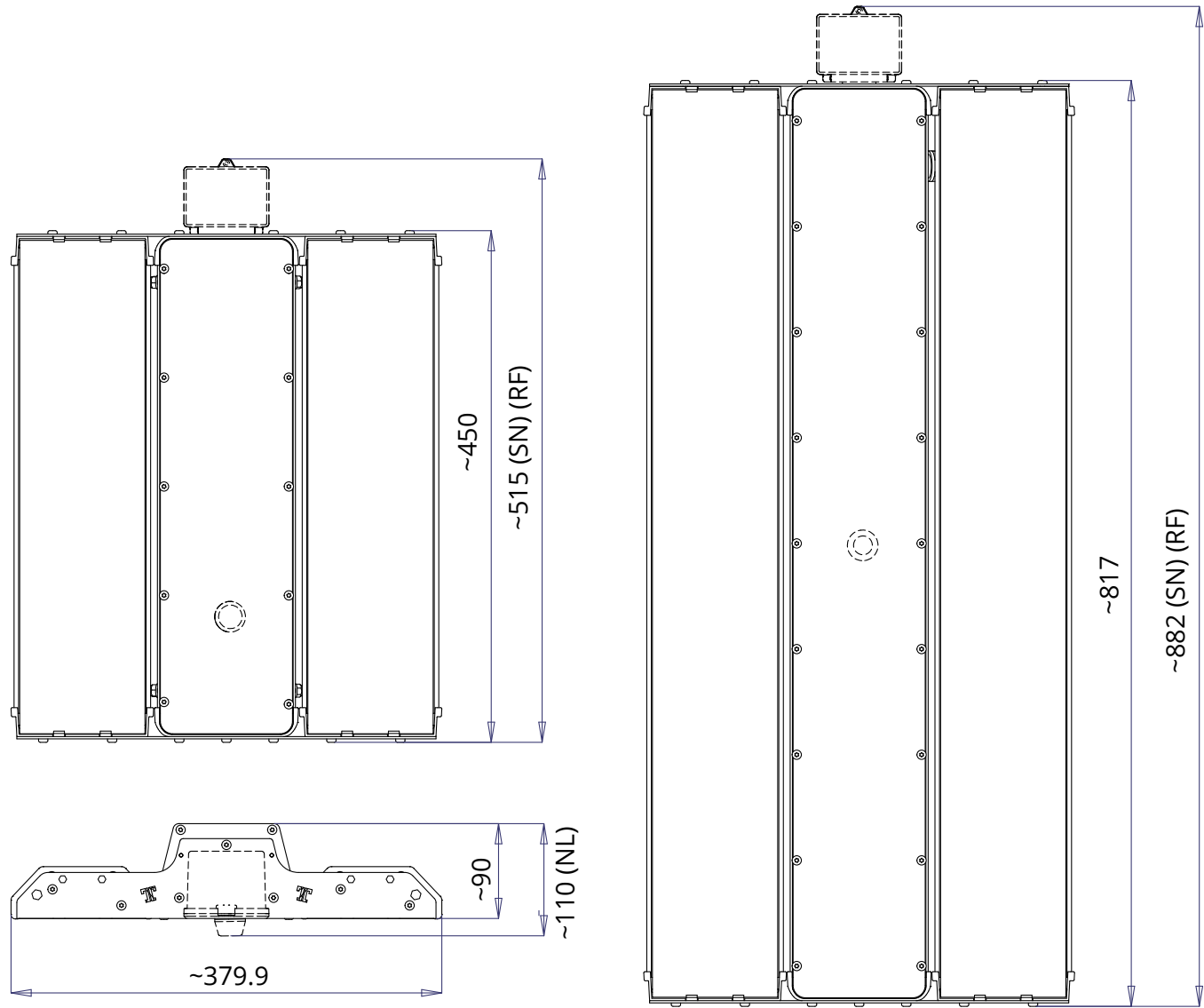
L9

UGR value

Values depending on lumen package and installation details.

	Standard efficiency	High efficiency
C1	26-30	26-29
D1	25-30	25-29
D1	23-27	23-26
U1	20-30	20-29
L3	18-30	18-29
L9	22-30	22-29

Dimensions (mm)



Module	Weight
1 module	8kg
2 modules	12kg



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