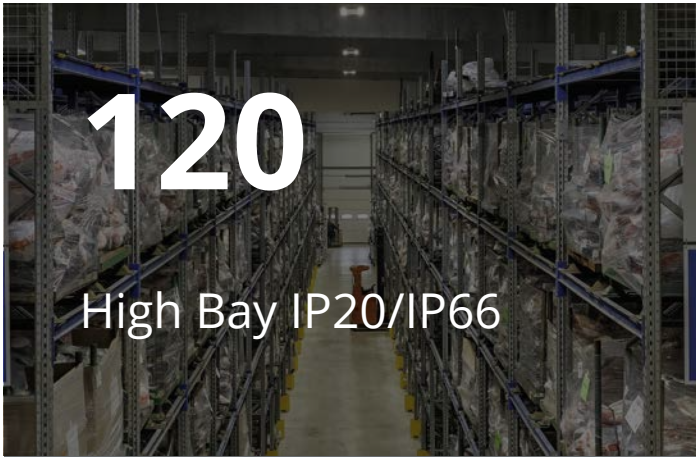
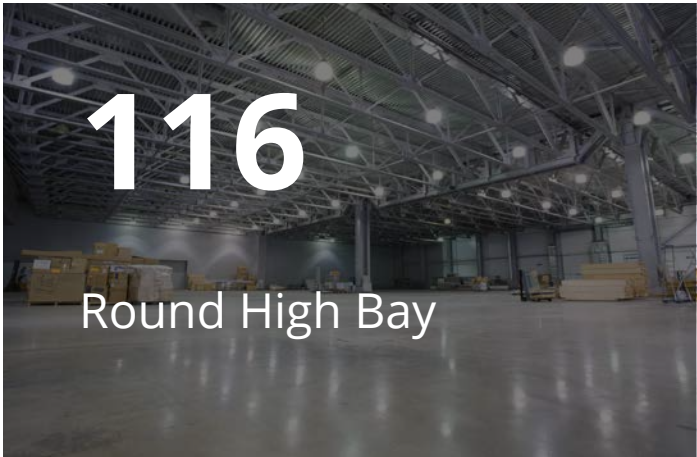




INDUSTRIAL SOLUTIONS

Light affects how we perform at work and how we perceive the professional environment around us. Selecting the optimal light for industrial facilities impacts not only trivial practicalities such as accident prevention but also our coworkers' psychological state.

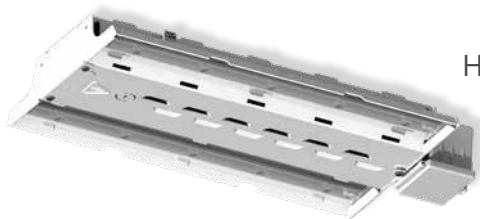
Our range of industrial products helps you take full advantage of the safety and cost-cutting opportunities presented by today's advanced LED lighting systems. In typical cases of facilities, 20% of all electric costs are due to their lighting. We offer an opportunity to reduce these costs significantly, with a marginal investment. Get to know more about lighting opportunities that can help you reconsider and reduce your costs while establishing a better place for quality work to happen.



Round
High-bay



Round
High-bay
with
HoneyComb



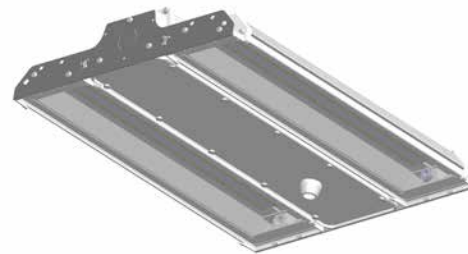
HB IP20



HB IP20
NEDAP Node



HB IP66



HB IP66
NEDAP Node



Linear High
Bay

LED INDOOR SOLUTION

Round High Bay



Warehouses/
Industry/
Logistic



Supermarket/
Commercial
building

LED Round High Bay IP65 G1

The Tungsram Round High Bay G1 range has a massive industrial aesthetic that makes it suitable for applications in a facility that has high ceilings and requires illumination of six meter or more. It is designed as a simple point-to-point replacement for conventional high-bay luminaires with 250 and 400 W mercury vapor or metal halide lamps. The 4-5x longer lifetime vs HID lamps provides significant reduction in maintenance costs without the use of mercury and other hazardous materials. Its light flow can be dimmed from 0-10V or DALI, allowing us to adjust the brightness of the light emitted, in function with the needs of each moment.



Benefits

- The luminaire can be installed on the existing grid.
- Optimized weight and size due to compact design
- High resistance against ambient air with humidity and high-particle loads
- Simple refurbishment solution thanks to use of existing installation points with freely positionable mounting clips
- Fast and simple installation due to quick connector
- Aluminium body to optimize heat performance



High Bay Reflector 70°



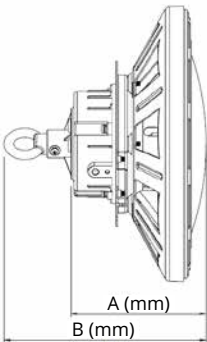
High Bay Reflector 90°



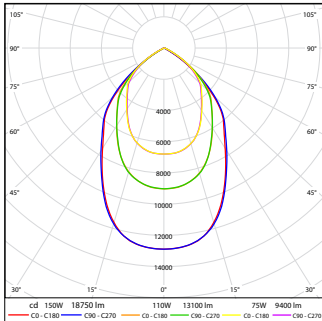
High Bay Surface Mount Kit



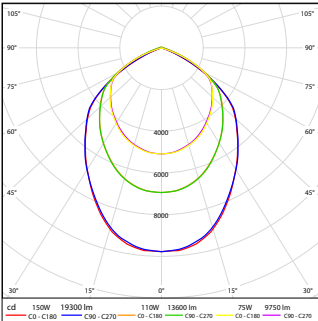
High Bay Chain



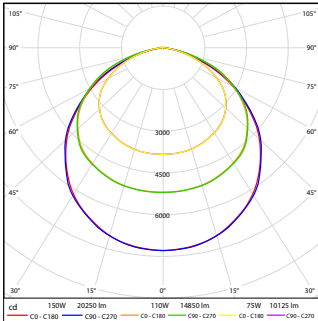
Product	Wattage	ø (mm)	A (mm)	B (mm)
High Bay TU Gen1 70W	70w	300	142	213
High Bay TU Gen1 75W	75w	300	142	213
High Bay TU Gen1 105W	105w	300	142	213
High Bay TU Gen1 110W	110w	300	142	213
High Bay TU Gen1 140W	140w	300	131	202
High Bay TU Gen1 150W	150w	300	131	202
High Bay TU Gen1 200W	200w	360	131	202



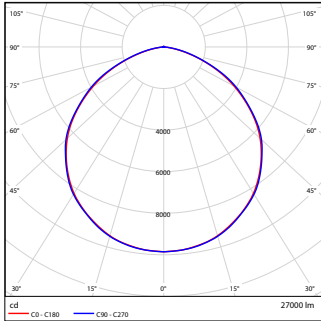
75-110-150W - 70°



75-110-150W - 90°



75-110-150W - 110°



200W - 110°

LED Round High Bay IP65 G1



Product Description	Tungsram Product Code	Wattage (W)	Lumen (lm)	CCT (K)	System Efficiency (lm/W)	Dimensions (mm)	Weight (kg)	Pack Qty
Round High Bay IP65 Gen1 - 0-10V driver								
High Bay TU Gen1 70W 4000K 2A 110°	93115795	70	10 150	4000	145	Ø300x213	2.43	1
High Bay TU Gen1 70W 6500K 2A 110°	93115796	70	10 150	6500	145	Ø300x213	2.43	1
High Bay TU Gen1 75W 4000K 2A 110°	93103286	75	10 125	4000	135	Ø300x213	2.43	1
High Bay TU Gen1 105W 4000K 2A 110°	93115793	105	15 225	4000	145	Ø300x213	2.43	1
High Bay TU Gen1 105W 6500K 2A 110°	93115797	105	15 225	6500	145	Ø300x213	2.43	1
High Bay TU Gen1 110W 4000K 2A 110°	93101700	110	15 525	4000	135	Ø300x213	2.43	1
High Bay TU Gen1 140W 4000K 2A 110°	93115794	140	20 300	4000	145	Ø302x213	2.5	1
High Bay TU Gen1 140W 6500K 2A 110°	93115798	140	20 300	6500	145	Ø302x213	2.5	1
High Bay TU Gen1 200W 4000K 2A 110°	93101703	200	27 000	4000	135	Ø360x207	3.04	1
High Bay TU Gen1 200W 6500K 2A 110°	93103290	200	27 000	6500	135	Ø360x207	3.04	1
Round High Bay IP65 Gen1 - DALI driver								
High Bay TU Gen1 150W 4000K 2D 110°	93101702	150	20 250	4000	135	Ø302x213	2.5	1
High Bay TU Gen1 200W 4000K 2D 110°	93101704	200	27 000	4000	135	Ø360x207	3.04	1
LED Round High Bay IP65 Accessories								
High Bay Chain	93105658	-	-	-	-	-	-	-
High Bay Reflector 90°	93105659	-	-	-	-	-	-	-
High Bay Reflector 70°	93105660	-	-	-	-	-	-	-
High Bay Reflector 90° 200W	93111515	-	-	-	-	-	-	-
High Bay Reflector 70° 200W	93112596	-	-	-	-	-	-	-
High Bay Surface mount Kit	93105661	-	-	-	-	-	-	-



LED INDOOR SOLUTION

Round High Bay



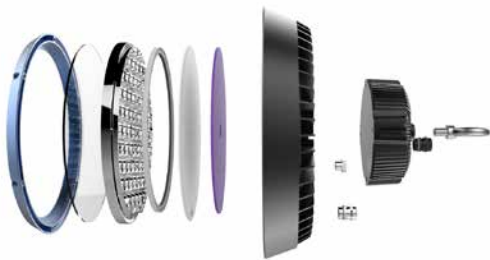
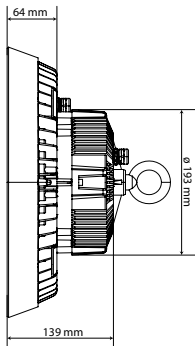
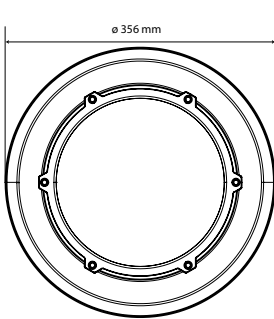
Round High Bay IP65 G2
HoneyComb

The IP65 Round High Bay with HoneyComb® optic is designed to replace traditional high ceiling fixture applications. The HoneyComb®, optic together with the specially designed housing frame, provides a dual anti-glare and more comfortable UGR level in all industrial areas (<UGR22, RG0). The lower glare means a more comfortable light for your working environment while the efficacy is above 135lm/W, which provides additional savings. The robust design offers a long lifetime solution for all applications.



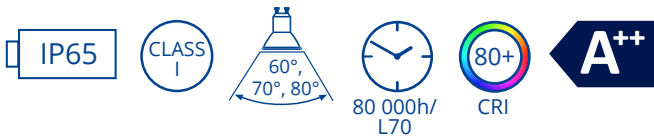
Benefits

- Designed for replacement of conventional high-bays with HID lamps up to 400W
- High luminous efficiency and energy savings up to 70% compared to conventional high bay fixtures
- An affordable solution for retrofit or new installations
- Different accessories for available for versatile installation: suspension chain or metal bracket
- Installation height is up to 20m



Model	Wattage	Fixture diameter (mm)	Fixture height incl driver and hook (mm)	Weight incl driver (kg)	Driver size (mm)	Control
High Bay TU Gen2 90Wxxx	90W	280	190	2.66	Ø132*71	DALI
High Bay TU Gen2 100Wxxx	100W	280	190	2.66	Ø132*71	Static/1-10V/Sensor
High Bay TU Gen2 140Wxxx	140W	360	210	3.08	Ø151*71	DALI
High Bay TU Gen2 150Wxxx	150W	360	210	3.08	Ø151*71	DALI
High Bay TU Gen2 190Wxxx	200W	360	210	5.50	Ø182*71	Static/1-10V/Sensor
High Bay TU Gen2 200Wxxx	230W	360	210	5.50	Ø182*71	DALI

Round High Bay IP65 G2
HoneyComb



Product Description	Tungsrø Product Code	Wattage (W)	Lumen (lm)	CCT (K)	Beam angle (°)	UGR	System Efficiency (lm/W)	Dimensions (mm)	Weight (kg)	Pack Qty
Round High Bay IP65 Gen2 HoneyComb - Static driver										
High Bay TU Gen2 100W-4000K-2S-70°	93114906	100	13 500	4000	70	<23.2	135	Ø280x190	2.66	1
High Bay TU Gen2 100W-4000K-2M-70° *	93114908	100	13 500	4000	70	<22.7	135	Ø280x190	2.66	1
High Bay TU Gen2 100W-5000K-2S-70°	93114910	100	13 500	5000	70	<23	135	Ø280x190	2.66	1
High Bay TU Gen2 100W-5000K-2M-70° *	93114912	100	13 500	5000	70	<23.1	135	Ø280x190	2.66	1
High Bay TU Gen2 140W-4000K-2S-80°	93114914	140	18 900	4000	80	<25.2	135	Ø360x210	3.08	1
High Bay TU Gen2 140W-4000K-2S-60°	93114915	140	18 900	4000	60	<21	135	Ø360x210	3.08	1
High Bay TU Gen2 140W-4000K-2M-80° *	93114918	140	18 900	4000	80	<24.7	135	Ø360x210	3.08	1
High Bay TU Gen2 140W-4000K-2M-60° *	93114919	140	18 900	4000	60	<21	135	Ø360x210	3.08	1
High Bay TU Gen2 140W-5000K-2S-80°	93114922	140	18 900	5000	80	<24.8	135	Ø360x210	3.08	1
High Bay TU Gen2 140W-5000K-2S-60°	93114923	140	18 900	5000	60	<21	135	Ø360x210	3.08	1
High Bay TU Gen2 140W-5000K-2M-80° *	93114926	140	18 900	5000	80	<24.7	135	Ø360x210	3.08	1
High Bay TU Gen2 140W-5000K-2M-60° *	93114927	140	18 900	5000	60	<21	135	Ø360x210	3.08	1
High Bay TU Gen2 190W-4000K-2S-80°	93114930	190	24 700	4000	80	<25.6	130	Ø360x210	5.50	1
High Bay TU Gen2 190W-4000K-2S-60°	93114931	190	24 700	4000	60	<22.1	130	Ø360x210	5.50	1
High Bay TU Gen2 190W-4000K-2M-80° *	93114934	190	24 700	4000	80	<26	130	Ø360x210	5.50	1
High Bay TU Gen2 190W-4000K-2M-60° *	93114935	190	24 700	4000	60	<22.1	130	Ø360x210	5.50	1
High Bay TU Gen2 190W-5000K-2S-80°	93114938	190	24 700	5000	80	<25.6	130	Ø360x210	5.50	1
High Bay TU Gen2 190W-5000K-2S-60°	93114939	190	24 700	5000	60	<22.1	130	Ø360x210	5.50	1
High Bay TU Gen2 190W-5000K-2M-80° *	93114942	190	24 700	5000	80	<26	130	Ø360x210	5.50	1
High Bay TU Gen2 190W-5000K-2M-60° *	93114943	190	24 700	5000	60	<22.1	130	Ø360x210	5.50	1
Round High Bay IP65 Gen2 HoneyComb - 1-10V driver										
High Bay TU Gen2 100W-4000K-2A-70°	93114907	100	13 500	4000	70	<23.5	135	Ø280x190	2.66	1
High Bay TU Gen2 100W-5000K-2A-70°	93114911	100	13 500	5000	70	<23.5	135	Ø280x190	2.66	1
High Bay TU Gen2 140W-4000K-2A-80°	93114916	140	18 900	4000	80	<25.2	135	Ø360x210	3.08	1
High Bay TU Gen2 140W-4000K-2A-60°	93114917	140	18 900	4000	60	<21	135	Ø360x210	3.08	1
High Bay TU Gen2 140W-5000K-2A-80°	93114924	140	18 900	5000	80	<25.2	135	Ø360x210	3.08	1
High Bay TU Gen2 140W-5000K-2A-60°	93114925	140	18 900	5000	60	<21	135	Ø360x210	3.08	1
High Bay TU Gen2 190W-4000K-2A-80°	93114932	190	24 700	4000	80	<26	130	Ø360x210	5.50	1
High Bay TU Gen2 190W-4000K-2A-60°	93114933	190	24 700	4000	60	<22.1	130	Ø360x210	5.50	1
High Bay TU Gen2 190W-5000K-2A-80°	93114940	190	24 700	5000	80	<26	130	Ø360x210	5.50	1
High Bay TU Gen2 190W-5000K-2A-60°	93114941	190	24 700	5000	60	<22.1	130	Ø360x210	5.50	1
Round High Bay IP65 Gen2 HoneyComb - DALI driver										
High Bay TU Gen2 90W-4000K-2D-70°	93114909	90	12 150	4000	70	<22.5	135	Ø280x190	2.66	1
High Bay TU Gen2 90W-5000K-2D-70°	93114913	90	12 150	5000	70	<22.5	135	Ø280x190	2.66	1
High Bay TU Gen2 150W-4000K-2D-80°	93114920	150	19 500	4000	80	<25.2	130	Ø360x210	3.08	1
High Bay TU Gen2 150W-4000K-2D-60°	93114921	150	19 500	4000	60	<21.2	130	Ø360x210	3.08	1
High Bay TU Gen2 150W-5000K-2D-80°	93114928	150	19 500	5000	80	<25.2	130	Ø360x210	3.08	1
High Bay TU Gen2 150W-5000K-2D-60°	93114929	150	19 500	5000	60	<21.1	130	Ø360x210	3.08	1
High Bay TU Gen2 230W-4000K-2D-80°	93114936	230	28 750	4000	80	<25.8	125	Ø360x210	5.50	1
High Bay TU Gen2 230W-4000K-2D-60°	93114937	230	28 750	4000	60	<22.6	125	Ø360x210	5.50	1
High Bay TU Gen2 230W-5000K-2D-80°	93114944	230	28 750	5000	80	<25.8	125	Ø360x210	5.50	1
High Bay TU Gen2 230W-5000K-2D-60°	93114945	230	28 750	5000	60	<22.6	125	Ø360x210	5.50	1
Round High Bay IP65 Gen2 Honey Comb Accessories										
High Bay TU Gen2 Bracket for 280	93115197	-	-	-	-	-	-	-	-	1
High Bay TU Gen2 Bracket for 360	93115198	-	-	-	-	-	-	-	-	1
High Bay TU Gen2 Remote Control	93115198	-	-	-	-	-	-	-	-	1

* With Motion sensor

LED INDOOR SOLUTION

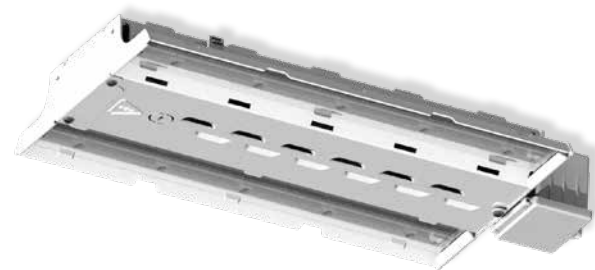
High Bay



High Bay



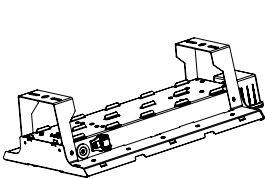
The new Tungsram High Bay LED luminaire is an exceptional mixture of value and performance. The product range has been upgraded to reach very high efficacy- up to 177 lm/w and cover lumen packages between 10,000 - 60,000 lumens. The range includes DALI and various sensor versions, such as the Nedap Luxon IoT Node, to enable internet connection and wireless control of the luminaire range. With the improved efficacy, wide range of control options, and higher lumen output, the HB IP20 is an ideal choice to replace high-watt HID and T5/T8 LFL fixtures in high bay and low bay applications, in industrial and commercial buildings.



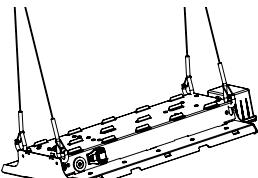
Benefits

- Combination of steel and aluminium housing
- HB IP20 Series' design accommodates 1 or 2 modules with 2 LED units per module
- Various mounting options: Cable or threaded rod kit.
- System power factor is >90% and THD <20%
- IP50 protection level for the optical compartment for all lenses - 30, 60 and 90 degree optics are dust protected.
- IK10 protection level for Fix output and DALI versions. IK 08 for sensor types, IK03 for Emergency version.
- TU HB Series optical system enables LEDs to provide optimized illumination for open floor and racked aisles with photometric distributions of 30, 60, 80, 90, 100 and 120 degrees.

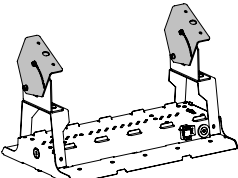
MOUNTING



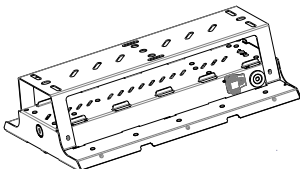
Rod Mount (optional)



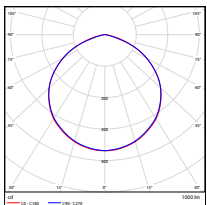
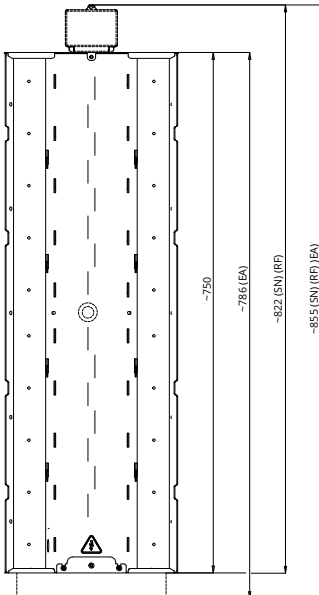
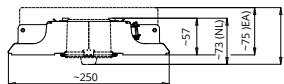
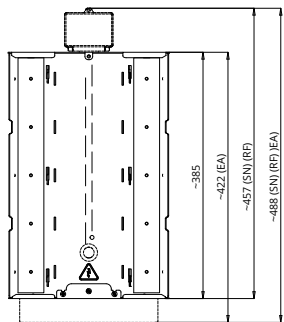
Y-Cable w/hook (optional)



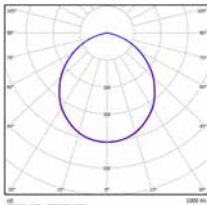
Tilted bracket kit



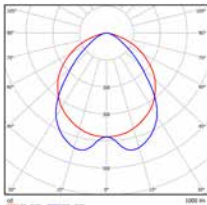
Busbar bracket kit (optional)



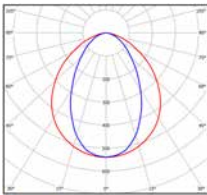
C1



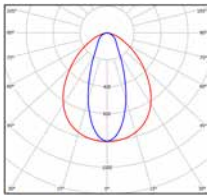
D1



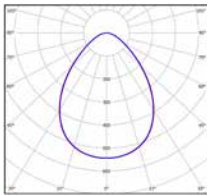
L9



L6



L3



U1

High Bay



Product ID	Module / Efficiency / Lumen	CCT / CRI	Optic	Control	Options ¹
TU High bay - High efficiency					
TU HB IP20 G1	1H10 - 1M High 10klm		C1-120° Clear		
	1H15 - 1M High 15klm	4K-4000K 70 CRI70	D1-100° Diffuse		
	1H20 - 1M High 20klm	5K-5000K 70 CRI70	U1 - 80° Diffuse	DL-DALI	ST-Standard
	1H25 - 1M High 25klm	4K-4000K 80 CRI80	L9-90° Clear	RF-RF sensor (Motion and Lux)	EA-EM auto-test
	2H30 - 2M High 30klm	5K-5000K 80 CRI80	L6-60° Clear		
	2H45 - 2M High 45klm		L3-30° Clear		
TU High bay - Standard Efficiency					
TU HB IP20 G1	1S10 - 1M Std 10klm		C1-120° Clear	FX-Fix output	
	1S12 - 1M Std 12 klm	4K-4000K 70 CRI70	D1-100° Diffuse	DL-DALI	ST-Standard
	1S20 - 1M Std 20klm	5K-5000K 70 CRI70	L9-90° Clear	SN-Sensor (On/OFF)	EA-EM auto-test
	1S22 - 1M Std 22 klm	4K-4000K 80 CRI80	L6-60° Clear		
	1S30 - 1M Std 30klm	5K-5000K 80 CRI80	L3-30° Clear	RF-RF sensor (Motion and Lux)	
	2S60 - 2M Std 60klm ***				

Module / Efficiency / Lumen	5000K 70CRI Clear 120° Optics DALI Driver			
	Module	Power(W)**	Lumen	lm/W
1H10	1	56	9900	177
1H15	1	85	15000	176
1H20	1	116	19500	168
1H25*	1	155	25000	161
2H30*	2	170	29200	172
2H45	2	272	45200	166
1S10	1	67	9670	144
1S12	1	92	13500	147
1S20	1	141	19900	141
1S22*	1	162	23500	145
1S30*	1	199	29200	147
2S60	2	435	60000	138

CCT/CRI multipliers	
5K70	100%
5K80	96%
4K70	96%
4K80	95%

Optical multipliers	
C1	100%
D1	90%
U1	94%
L9	100%
L6	101%
L3	98%

Our products are in compliance with IEC 60598-2-1:1979+A1:1987 used in conjunction with IEC 60598-1:2014.
* 1H25, 2H30, 1S22 and 1S30 have two drivers and DALI versions have two DALI addresses.
** Fixed output and sensor versions could have slightly different values.
*** 2S60 is available at FX and SN version.

LED INDOOR SOLUTION

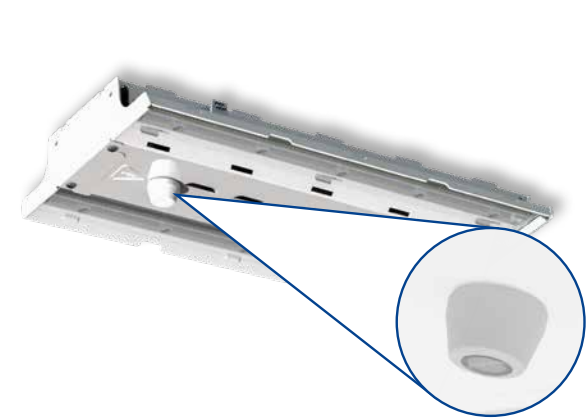
High Bay



High Bay IP20 - NEDAP Node



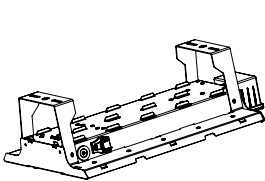
The high performing Tungsram High Bay industrial fixture range is equipped with a Nedap Luxon IoT Node to to allow wireless control of the luminare range. The TU HB range has been upgraded to reach a very high efficacy of 174 lm/w and cover lumen packages between 9.000 - 45.000 lumens. This new range is ideal to replace high-watt HID and T5/T8 LFL fixtures in high bay and low bay applications in industrial and commercial buildings.



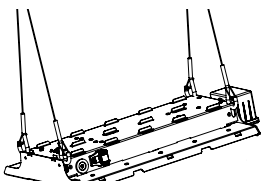
Benefits

- The NEDAP Luxon IoT allows you to have a wirelessly connected lighting system; this enables easy control locally or centrally using a cloud-based system.
- Equipped with Nedap Luxon IoT node and best-in-class Sensor Ready driver
- TU HB Series optical system enables LEDs to provide optimized illumination for open floor and racked aisles with photometric distributions of 30, 60, 80, 90, 100 and 120 degrees.
- IP50 protection level for the optical compartment for all lenses - 30, 60 and 90 degree optics are dust protected.

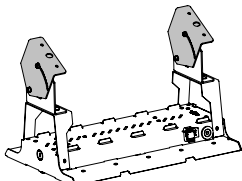
MOUNTING



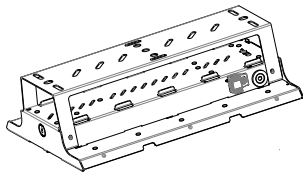
Rod Mount (optional)



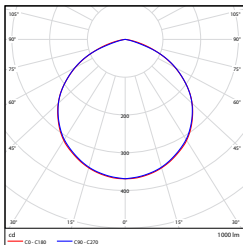
Y-Cable w/hook (optional)



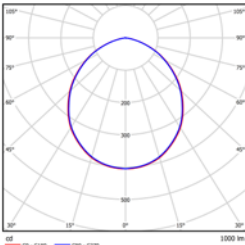
Tilted bracket kit



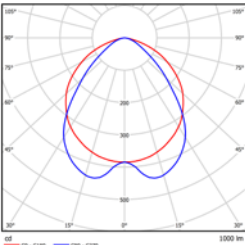
Busbar bracket kit (optional)



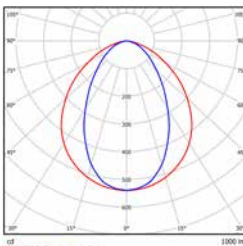
C1



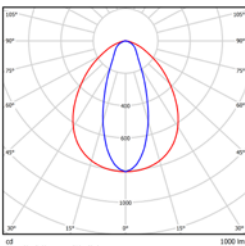
D1



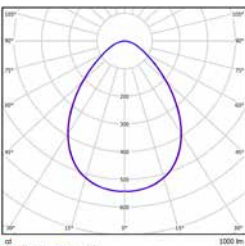
L9



L6



L3



U1

High Bay IP20 - NEDAP Node



Product ID	Module / Efficiency / Lumen	CCT / CRI	Optic	Options 1	Options 2
TU High Bay IP20 - NEDAP IoT Node					
TU HB IP20 G1	1H10 - 1M High 10klm	4K-4000K 70 CRI70	C1-120° Clear	NL-Nedap Luxon	ST-Standard EA-EM auto-test *
	1H15 - 1M High 15klm		D1-100° Diffuse		
	1H20 - 1M High 20klm	5K-5000K 70 CRI70	U1 - 80° diffuse		
	1H25 - 1M High 25klm	4K-4000K 80 CRI80	L9-90° Clear		
	2H30 - 2M High 30klm	5K-5000K 80 CRI80	L6-60° Clear		
	2H45 - 2M High 40klm		L3-30° Clear		

Module / Efficiency / Lumen	5000K 70CRI Clear 120° Optics DALI Driver			
	Module	Power(W)	Lumen	lm/W
1H10	1	57	9900	174
1H15	1	82	15000	183
1H20	1	117	19500	167
1H25	1	150	25000	167
2H30	2	171	29200	171
2H45	2	273	45200	166

CCT/CRI multipliers	
5K70	100%
5K80	96%
4K70	96%
4K80	95%

Optical multipliers	
C1	100%
D1	90%
U1	94%
L9	100%
L6	101%
L3	98%

* IK 03 protection level for Emergency version



LED INDOOR SOLUTION

High Bay



High Bay IP66



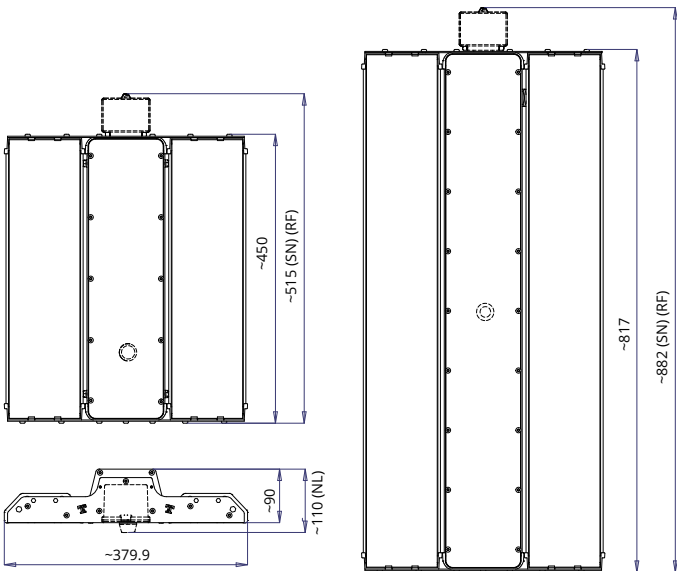
This IP66 rated LED fixture range offers an exceptional mixture of value and performance for high bay applications requiring water and dust resistance. This range has been upgraded to reach a very high efficacy- up to 182 lm/W with high lumen packages from 10,000lm to 45,000 lumens.

The range includes a wide variety of alternatives for color temperature, color rendering, beam angle and control systems, for to best optimized customer solutions. DALI, IoT and various sensor versions offer modern solutions for any lighting project. Designed to replace high-watt HID and T5/T8 LFL light sources.

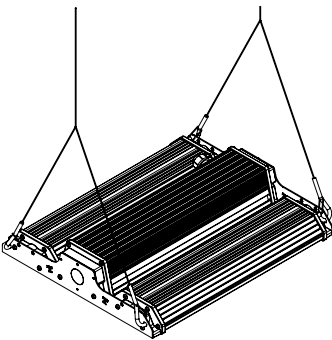


Benefits

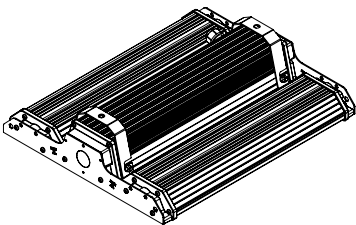
- Direct replacement for compact fluorescent lamp downlights
- Up to 70% energy savings compared to HID lamps
- Affordable solution for retrofit or new installations
- Easy installation
- UV-free & IR-free
- Product height with driver (90mm) fits more ceiling types



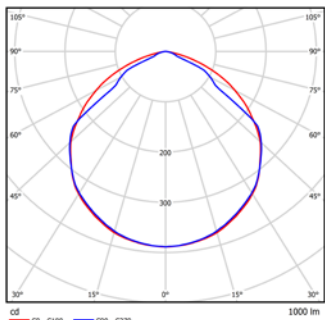
MOUNTING



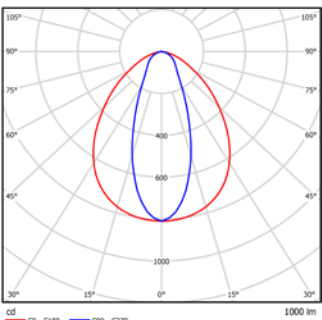
Suspension holder kit (optional)



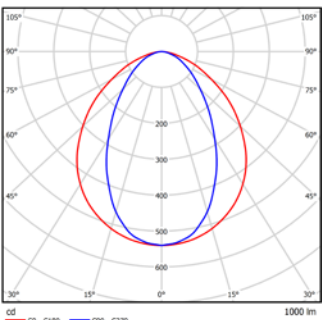
Bracket kit (optional)



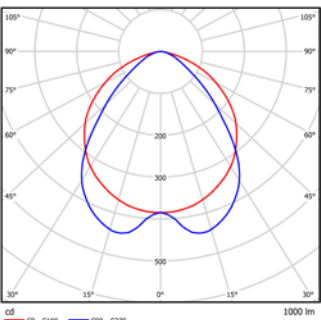
C1



L3



L6



L9

High Bay IP66



TU High B ay IP66 - Standard

Product ID	Module / Efficiency / Lumen	CCT / CRI	Optic	Sensor - Control	Options 1	Options 2
TU HB IP66 G1	1S10 - 1M Std 10klm	4K - 4000K 70 CRI70	C1-120° Clear	FX- Fix output DL- DALI	ST-Standard EA-EM auto-test *	PC- Pre-cabled QC- Quick Connect
	1S20 - 1M Std 20klm	5K - 5000K 70 CRI70	L9-90° Clear			
	1S30 - 1M Std 30klm	4K - 4000K 80 CRI80 5K - 5000K 80 CRI80	L6-60° Clear 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 EA-EM auto-test *	PC- Pre-cabled QC- Quick Connect
	1S20 - 1M Std 20klm	5K - 5000K 70 CRI70	L9-90° Clear			
	1S30 - 1M Std 30klm	4K - 4000K 80 CRI80 5K - 5000K 80 CRI80	L6-60° Clear 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 EA-EM auto-test *	PC- Pre-cabled QC- Quick Connect
	1H20 - 1M High 20klm	5K - 5000K 70 CRI70	L9-90° Clear			
	2H30 - 2M High 30klm 2H45 - 2M High 30klm	4K - 4000K 80 CRI80 5K - 5000K 80 CRI80	L6-60° Clear 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(Mo- tion&Lux)	ST-Standard EA-EM auto-test *	PC- Pre-cabled QC- Quick Connect
	1H20 - 1M High 20klm	5K - 5000K 70 CRI70	L9-90° Clear			
	2H30 - 2M High 45klm 2H45 - 2M High 45klm	4K - 4000K 80 CRI80 5K - 5000K 80 CRI80	L6-60° Clear L3-30° Clear			

Module / Efficiency / Lumen	5000K 70 CRI Clear 120 optics Dali driver			
	Module	Power(W)**	Lumen	lm/W
1S10	1	67	10000	149
1S20	1	141	20500	145
1S30 ***	1	199	29200	151
1H10	1	56	10200	182
1H20	1	116	20100	173
2H30 ***	2	170	30100	177
2H45 ***	2	250	44100 *	170

CCT/CRI multipliers		Optical multipliers	
5K70	100%	C1	100%
5k80	96%	L9	93%
4K70	96%	L6	94%
4K80	95%	L3	90%



* IK03 protection level for Emergency version

** Fixed output and sensor versions could have slightly different values.

Our products are in compliance with IEC 60598-2-1:1979 + A1 1987 used in conjunction with IEC 60598-1:2014. Emergency version is expected in Q1 2020

*** 1S30, 2H30 and 2H45 has 2 drivers, DALI versions have 2 DALI addresses

LED INDOOR SOLUTION

High Bay



High Bay IP66 - NEDAP Node



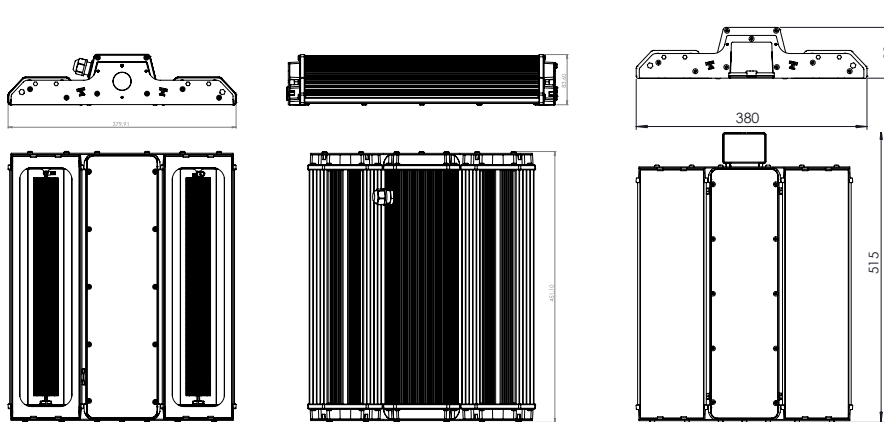
The high performing Tungsram High Bay industrial fixture range is now equipped with a Nedap Luxon IoT Node, to allow wireless control control of the luminaire range. The TU HB IP66 range has been upgraded to reach a very high efficacy of 182 lm/w and cover lumen packages between 10,200 - 45,000 lumens. This new range is ideal to replace high-watt HID and T5/T8 LFL fixtures in high bay and low bay applications in industrial and commercial buildings.



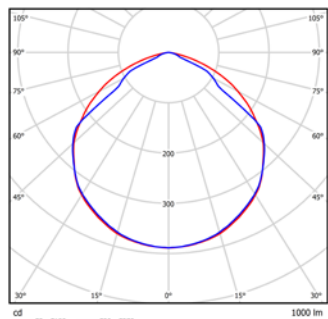
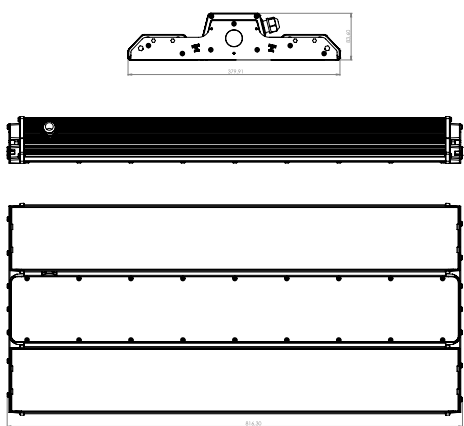
Benefits

- Robust extruded aluminum body with integrated cooling ribs and tempered glass window
- IP66 and IK08 rating
- 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 45 000 lumens
- 4000K & 5000K versions
- 70 & 80 CRI options

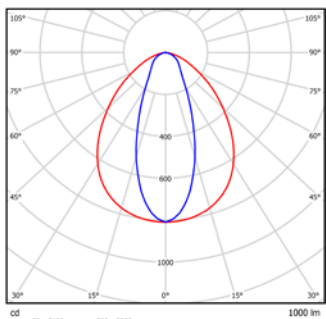
ONE MODULE



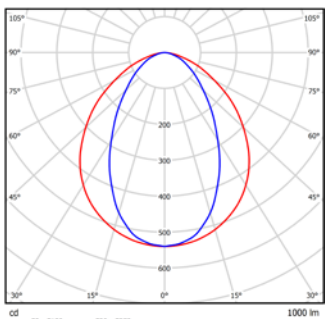
TWO MODULES



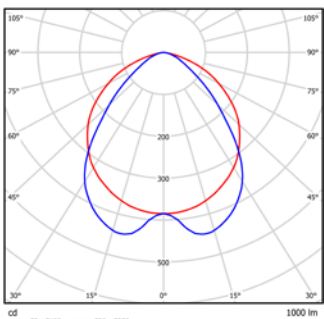
C1



L3



L6



L9

High Bay IP66 - NEDAP Node



LED Indoor

Product ID	Module / Efficiency / Lumen	CCT / CRI	Optic	Sensor - Control	Options 1	Options 2
TU High Bay IP66 - High Efficiency						
TUHB IP66 G1	1H10 - 1M High 10klm 1H20 - 1M High 20klm 2H30 - 2M High 30klm 2H45 - 2M High 45klm	4K - 4000K 70 CRI70 5K - 5000K 70 CRI70 4K - 4000K 80 CRI80 5K - 5000K 80 CRI80	C1-120° Clear L9-90° Clear L6-60° Clear L3-30° Clear	NL Nedap Luxon	ST-Standard	PC- Pre-cabled QC- Quick Connect

Module / Efficiency / Lumen	5000K 70 CRI Clear 120 optics Dali driver				CCT/CRI multipliers		Optical multipliers	
	Module	Power(W)*	Lumen	lm/W				
1H10	1	56	10200	182	5K70	100%	C1	100%
1H20	1	116	20100	173	5k80	96%	L9	93%
2H30	2	170	30100	177	4K70	96%	L6	94%
2H45	2	251	44100	176	4K80	95%	L3	90%

* 2H30 version is available from Q4.
** Additional lumen packs are under development.
Our products are in compliance with IEC 60598-2-1:1979 + A1 1987 used in conjunction with IEC 60598-1:2014.

Product Description	TU Product Code
IP20/IP66 Accessories	
TU HB FKIT M10 (45 degree)	93104725
TU HB IP20 Bracket kit	93108565
TU HB IP66 Bracket kit	93108565
TU HB IP20 bus bar kit	93116910
1.5m cable Y hook	93091603
3.0m cable Y hook	93091604
4.5m cable Y hook	93091605
6.0m cable Y hook	93091686
Remote controller	93110511



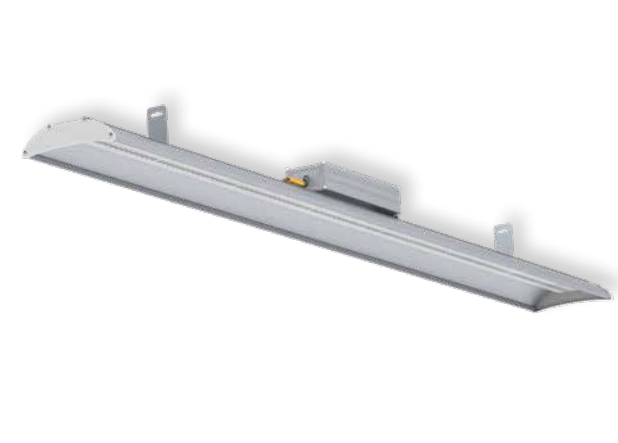
LED INDOOR SOLUTION

Linear High Bay



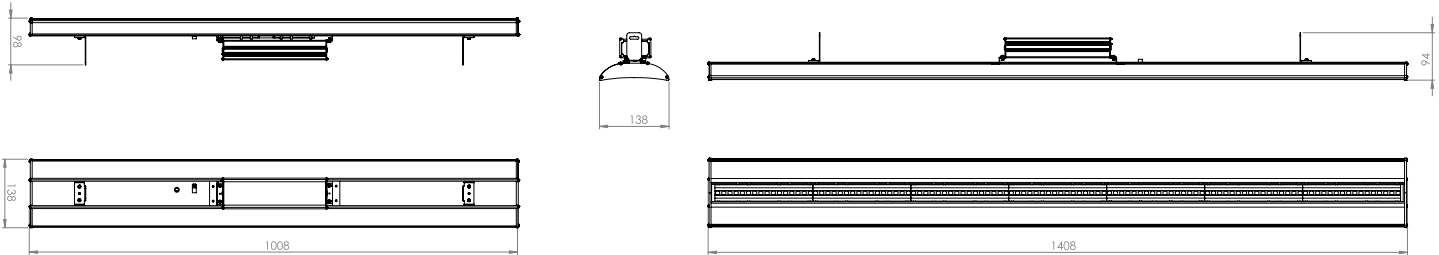
Linear High Bay

The Tungsram Linear High Bay is a simple LED solution that efficiently illuminates work areas by creating a brighter and better warehouse, retail, or manufacture environment. With its two-optical design and energy efficiency, this easy-to-install and low-maintenance lighting solution is suitable for a variety of applications.

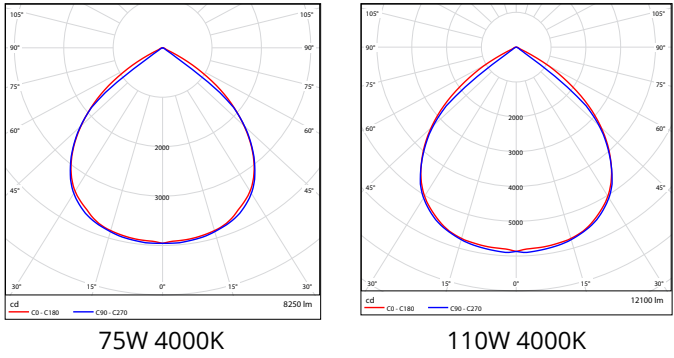


Benefits

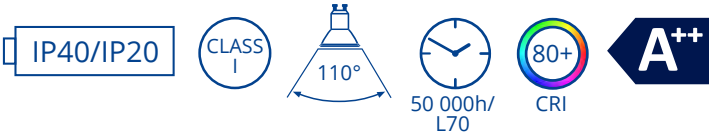
- High energy savings up to 50% compared' to TL-5 Highbay
- Direct replacement of T5 Highbay
- Functional, linear design with flexible installation
- Affordable solution for retrofit or new installations
- Reduced replacement and maintenance costs



Model	Fixture (incl driver)	Driver	Weight incl driver (kg)
LED Linear Highbay G1 TU 4ft xxx	1008x138x98mm	210x65x40mm	2.0
LED Linear Highbay G1 TU 5ft xxx	1408x138x98mm	210x65x40mm	2.2



Linear High Bay



Product Description	Tungsram Product Code	Wattage (W)	Lumen (lm)	CCT (K)	System Efficiency (lm/W)	Dimensions (mm)	Weight (kg)	Pack Qty
Linear High Bay - Static driver								
LED Linear HighBay G1 TU 4ft 75W 840	93110385	75	8 250	4000	110	1008x138x98	2.00	1
LED Linear HighBay G1 TU 5ft 110W 840	93110756	110	12 100	4000	110	1408x138x98	2.20	1
Linear High Bay Accessories								
LED Linear Highbay G1 TU 50°Lens 5 pcs	93113202	-	-	-	-	-	-	5pcs
LED Linear Highbay G1 TU 50°Lens 7 pcs	93113203	-	-	-	-	-	-	7pcs
LED Linear HighBay Duplicate Kit	93114138	-	-	-	-	-	-	1pair

