

Tungsr Premium Floodlight G3



DATA SHEET



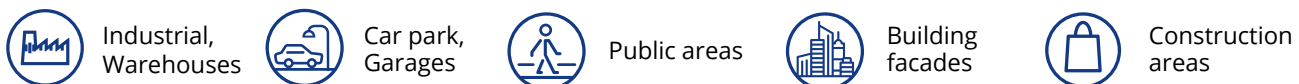
Product information

Premium Floodlight G3 range is available with seven lumen output levels from 1.150 lm to 19.500 lm with up to 130 LPW efficiency. The range is suitable for various applications wall mounted around building facades, ideal for the classic floodlighting of buildings as well as lighting gardens, paths near to buildings, garages, entrance ways and drives. Compared to traditional floodlights Tungsr LED Floodlight supplies immediate light without start-up or cooling down times. Thanks to a robust aluminium housing with safety glass cover, the floodlights are ideal for outdoor use.

Features

- Power: from 10W to 200W
- Luminous flux: up to 19.500 lm
- Efficiency: Up to 130lm/w
- CCT: 3000K, 4000K, 6500K
- Lifetime: 50.000 hours @ L80/B10
- 5 - Year Warranty
- IP65
- IK08 for 50W, 70W, 100W, 150W and IK07 for 10W, 20W and 30W impact protection class
- Motion sensor combined with daylight sensor option and daylight sensor only options
- Multivoltage driver for all non-sensor version and 220V-240V driver for the sensor versions
- High quality Samsung chips
- Aluminium diecast housing with strengthened glass
- PF >0,9
- THD < 20%
- Operating frequency: 50-60Hz
- Suitable for operation in ambient temperature of -20°C to +40°C (20-50W) or -30°C to +50°C (75-150W)
- SDCM ≤5
- Color rendering (CRI) is ≥80

Application areas



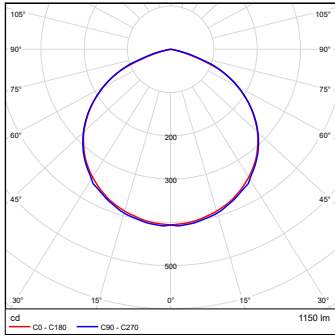
Specification summary:

Product Description	Product Code	Wattage (W)	Total Lumen (lm)	System Efficiency (lm/W) Based on Total lumen	CCT (K)	IP	IK	Beam angle (°)	Rated life L70 (h)**	CRI (Ra)	Voltage (V)
SYMMETRIC RANGE											
LED Flood G3 TU S 10W 830 SY MV BN	93119420	10	1150	115	3000	65	IK07	110	72000	80	110-240
LED Flood G3 TU S 10W 840 SY MV BN	93119421	10	1200	120	4000	65	IK07	110	72000	80	110-240
LED Flood G3 TU S 10W 865 SY MV BN	93119422	10	1200	120	6500	65	IK07	110	72000	80	110-240
LED Flood G3 TU S 20W 830 SY MV BN	93119423	20	2300	115	3000	65	IK07	110	72000	80	110-240
LED Flood G3 TU S 20W 840 SY MV BN	93119424	20	2400	120	4000	65	IK07	110	72000	80	110-240
LED Flood G3 TU S 20W 865 SY MV BN	93119425	20	2400	120	6500	65	IK07	110	72000	80	110-240
LED Flood G3 TU S 30W 830 SY MV BN	93119426	30	3450	115	3000	65	IK07	110	72000	80	110-240
LED Flood G3 TU S 30W 840 SY MV BN	93119427	30	3600	120	4000	65	IK07	110	72000	80	110-240
LED Flood G3 TU S 30W 865 SY MV BN	93119428	30	3600	120	6500	65	IK07	110	72000	80	110-240
LED Flood G3 TU S 50W 830 SY MV BN	93119429	50	6250	125	3000	65	IK08	110	72000	80	110-240
LED Flood G3 TU S 50W 840 SY MV BN	93119430	50	6500	130	4000K	65	IK08	110	72000	80	110-240
LED Flood G3 TU S 50W 865 SY MV BN	93119431	50	6500	130	6500K	65	IK08	110	72000	80	110-240
LED Flood G3 TU S 70W 830 SY MV BN	93119432	70	8750	125	3000	65	IK08	110	72000	80	110-240
LED Flood G3 TU S 70W 840 SY MV BN	93119433	70	9100	130	4000	65	IK08	110	72000	80	110-240
LED Flood G3 TU S 70W 865 SY MV BN	93119434	70	9100	130	6500	65	IK08	110	72000	80	110-240
LED Flood G3 TU S 100W 830 SY MV BN	93119435	100	12500	125	3000	65	IK08	110	72000	80	110-240
LED Flood G3 TU S 100W 840 SY MV BN	93119436	100	13000	130	4000	65	IK08	110	72000	80	110-240
LED Flood G3 TU S 100W 865 SY MV BN	93119437	100	13000	130	6500	65	IK08	110	72000	80	110-240
LED Flood G3 TU S 150W 830 SY MV BN	93119438	150	18750	125	3000	65	IK08	110	72000	80	110-240
LED Flood G3 TU S 150W 840 SY MV BN	93119439	150	19500	130	4000	65	IK08	110	72000	80	110-240
LED Flood G3 TU S 150W 865 SY MV BN	93119440	150	19500	130	6500	65	IK08	110	72000	80	110-240
ASYMMETRIC RANGE											
LED Flood G3 TU S 100W 830 AS MV BN	93119454	100	11000	110	3000	65	IK08	40X80	72000	80	110-240
LED Flood G3 TU S 100W 840 AS MV BN	93119456	100	11500	115	4000	65	IK08	40X80	72000	80	110-240
MOTION SENSOR RANGE											
LED Flood G3 TU S 10W 840 SY ST BM	93119444	10	1200	120	4000	65	IK07	110	50 000	80	220-240
LED Flood G3 TU S 20W 840 SY ST BM	93119445	20	2400	120	4000	65	IK07	110	50 000	80	220-240
LED Flood G3 TU S 20W 865 SY ST BM	93119446	20	2400	120	6500	65	IK07	110	50 000	80	220-240
LED Flood G3 TU S 30W 840 SY ST BM	93119447	30	3600	120	4000	65	IK07	110	50 000	80	220-240
LED Flood G3 TU S 30W 865 SY ST BM	93119448	30	3600	120	6500	65	IK07	110	50 000	80	220-240
LED Flood G3 TU S 50W 840 SY ST BM	93119449	50	6500	130	4000	65	IK08	110	50 000	80	220-240
LED Flood G3 TU S 50W 865 SY ST BM	93119450	50	6500	130	6500	65	IK08	110	50 000	80	220-240
DUSK TILL DAWN RANGE											
LED Flood G3 TU S 20W 840 SY ST BDD	93119451	20	2400	120	4000	65	IK07	110	50 000	80	220-240
LED Flood G3 TU S 30W 840 SY ST BDD	93119452	30	3600	120	4000	65	IK07	110	50 000	80	220-240
LED Flood G3 TU S 50W 840 SY ST BDD	93119453	50	6500	130	4000	65	IK07	110	50 000	80	220-240

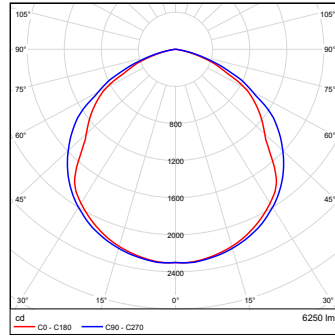
Specifications:

	Non-sensor	Sensor options
Nominal Voltage	110-240V	220-240V
Input frequency	50/60Hz	50/60Hz
Power factor	> 0.9	> 0.9
Displacement factor	≥0.9	≥0.9
Operating temperature	from -30C° to +50C°	

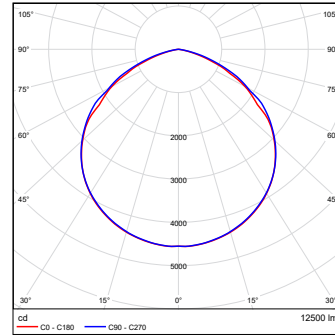
Photometric data



10W



50W

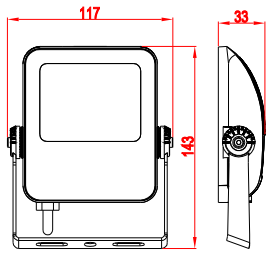


100W

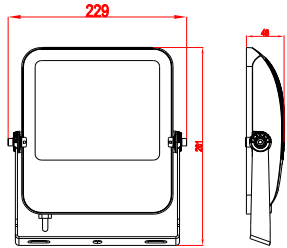
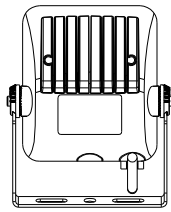
Only for indicative purpose. For lighting design, please use the ldt photometry files available for the products.

Dimensions (mm)

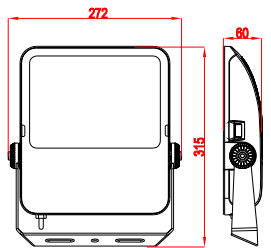
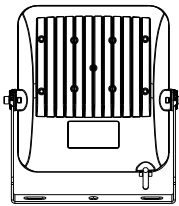
Standard version



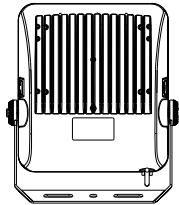
10W



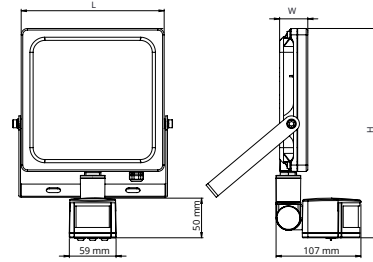
50W



100W



Sensor version



30W

Regulatory and standards

Regulatory marks: CE, UKCA

Regulations: 2014/35/EU, 2014/30/EU, 2011/65/EU, (framework 2009/125/EC) EU/2019/2020, (framework EU 2017/1369), EU 2019/2015*, 2012/19/EU*

Harmonized standards: EEN 60598, EN 62493, EN 61547, EN55015, EN 61000, look for CE Declaration of Conformity and Technical File for details

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

*not on DOC