

TU DLR G2



DATA SHEET



Product information

The new Tungsram DLR G2 range with wide beam angle reflector provides the perfect combination of high efficiency, comfortable lighting and design, without compromising on light performance (colour rendering and colour uniformity). Due to the interchangeable reflectors it offers a wide choice of options for creating the desired ambience. The range is designed for general lighting applications in offices, supermarkets, shops, schools, hotels, etc. It is also widely used for public areas, such as stairways, lobbies, receptions.

Features

- Power: 9W, 15W, 17W, 20W, 23.5W, 24.5W versions
- Luminous flux: from 960 to 3050lm
- High luminous efficiency, up to 134lm/W
- 80° beam angle
- Low glare rate, UGR<19
- IP54 protection rating
- Lifetime: 50.000 hours L80B50
- CCT: 3000K, 4000K, 6500K
- CRI 80+
- Bridgelux LED chips
- Operating temperature: -20°C~45°C
- Aluminium die-cast housing and Bezel with PC reflector
- Compatible with TU Emergency Converter Kit
- Reflectors: Basic range comes with Specular Reflector.
- Matte Silver / Black / White reflectors are available as accessory.

Application areas



General lighting /
Office



Shop / Supermarket /
Hotel / Hospitality

Specification summary

Parameters below are the same for all luminaires in the range:

Light Technology used	LED
Light source	Non-replaceable light source
Mains / Non-mains	Non-mains Light source
Directional / Non-directional	Directional
Colour-tuneable	No
Anti-glare shield	No
Correlated color temperature (CCT)	3000K, 4000K, 6500K
Colour rendering index (CRI) (Ra) min	80
R9 colour rendering index value	0
SDCM (Standard Deviation or Color Maintenance)	≤3
Beam angle	80°
Flicker metric	≤1
Stroboscopic effect metric	≤0.4

Input Voltage & Frequency	220-240VAC, 50/60Hz
Power factor	≥0.9
Displacement factor	>0.9
Standby power	0W
Lifetime (L80B10)	50000h
Survival factor at 3000h	1
Lumen maintenance at 3000h	96%
Ingress protection (IP)	Front - IP54 Back - IP40
Impact protection (IK)	IK06
Color of Housing (RAL)	White - RAL 9016 Black - RAL 9005
Materials (housing)	PC / Aluminum

Parameters below are specific for each of the product codes:

Product code	Description	ELECTRICAL DATA				Dimm.	PHOTOMETRICAL DATA		DIMENSIONS & WEIGHTS		
		Luminaire power (W)	Light source On-mode power (W)	Lightsource input voltage (V (DC))	Light source input current (mA)		Luminaire lumen (lm)	Luminaire Efficiency (lm/W)	Dimensions (DxH) (mm)	Cutout Diameter (mm)	Product weight (kg)
93120703	TU DLR G2 90MM 960LM 830 S 80D W	9	8	28-40	250	No (Static)	960	107	95x54	90-95	0,3
93120704	TU DLR G2 90MM 960LM 840 S 80D W	9	8	28-40	250	No (Static)	960	107	95x54	90-95	0,3
93120705	TU DLR G2 90MM 960LM 865 S 80D W	9	8	28-40	250	No (Static)	960	107	95x54	90-95	0,3
93120604	TU DLR G2 125MM 1050LM 830 S 80D W	9	8	28-40	250	No (Static)	1050	117	145x78	125-135	0,5
93120605	TU DLR G2 125MM 1150LM 840 S 80D W	9	8	28-40	250	No (Static)	1150	128	145x78	125-135	0,5
93120696	TU DLR G2 125MM 1150LM 865 S 80D W	9	8	28-40	250	No (Static)	1150	128	145x78	125-135	0,5
93120697	TU DLR G2 125MM 1650LM 830 S 80D W	15	13,7	28-40	410	No (Static)	1650	110	145x78	125-135	0,5
93120698	TU DLR G2 125MM 1800LM 840 S 80D W	15	13,7	28-40	410	No (Static)	1800	120	145x78	125-135	0,5
93120699	TU DLR G2 125MM 1800LM 865 S 80D W	15	13,7	28-40	410	No (Static)	1800	120	145x78	125-135	0,5
93121293	TU DLR G2 150MM 1050LM 830 S 80D W	9	8	28-40	250	No (Static)	1050	117	172x90	150-165	0,7
93121868	TU DLR G2 150MM 1050LM 830 S 80D B	9	8	28-40	250	No (Static)	1050	117	172x90	150-165	0,7
93121294	TU DLR G2 150MM 1150LM 840 S 80D W	9	8	28-40	250	No (Static)	1150	128	172x90	150-165	0,7
93121963	TU DLR G2 150MM 1150LM 840 S 80D B	9	8	28-40	250	No (Static)	1150	128	172x90	150-165	0,7
93121930	TU DLR G2 150MM 1150LM 865 S 80D W	9	8	28-40	250	No (Static)	1150	128	172x90	150-165	0,7
93120700	TU DLR G2 150MM 1900LM 830 S 80D W	17	15,3	28-40	460	No (Static)	1900	112	172x90	150-165	0,7
93120701	TU DLR G2 150MM 2060LM 840 S 80D W	17	15,3	28-40	460	No (Static)	2060	121	172x90	150-165	0,7
93120702	TU DLR G2 150MM 2060LM 865 S 80D W	17	15,3	28-40	460	No (Static)	2060	121	172x90	150-165	0,7
93122267	TU DLR G2 150MM 2200LM 830 S 80D W	20	17,6	28-40	500	No (Static)	2200	110	172x90	150-165	0,7
93122269	TU DLR G2 150MM 2200LM 830 S 80D B	20	17,6	28-40	500	No (Static)	2200	110	172x90	150-165	0,7
93122272	TU DLR G2 150MM 2300LM 840 S 80D W	20	17,6	28-40	500	No (Static)	2300	115	172x90	150-165	0,7
93122245	TU DLR G2 150MM 2300LM 840 S 80D B	20	17,6	28-40	500	No (Static)	2300	115	172x90	150-165	0,7
93122268	TU DLR G2 150MM 2300LM 865 S 80D W	20	17,6	28-40	500	No (Static)	2300	115	172x90	150-165	0,7
93122270	TU DLR G2 150MM 2300LM 865 S 80D B	20	17,6	28-40	500	No (Static)	2300	115	172x90	150-165	0,7
93121931	TU DLR G2 150MM 2900LM 830 S 80D W	24,5	21	28-40	600	No (Static)	2900	118	172x90	150-165	0,7
93121932	TU DLR G2 150MM 3050LM 840 S 80D W	24,5	21	28-40	600	No (Static)	3050	124	172x90	150-165	0,7
93121929	TU DLR G2 150MM 3050LM 865 S 80D W	24,5	21	28-40	600	No (Static)	3050	124	172x90	150-165	0,7
93120681	TU DLR G2 200MM 2100LM 830 S 80D W	17	15,3	28-40	460	No (Static)	2100	124	228x99	200-210	1,1
93120687	TU DLR G2 200MM 2100LM 830 S 80D B	17	15,3	28-40	460	No (Static)	2100	124	228x99	200-210	1,1
93120682	TU DLR G2 200MM 2270LM 840 S 80D W	17	15,3	28-40	460	No (Static)	2270	134	228x99	200-210	1,1
93121964	TU DLR G2 200MM 2270LM 840 S 80D B	17	15,3	28-40	460	No (Static)	2270	134	228x99	200-210	1,1
93120683	TU DLR G2 200MM 2270LM 865 S 80D W	17	15,3	28-40	460	No (Static)	2270	134	228x99	200-210	1,1
93120684	TU DLR G2 200MM 2800LM 830 S 80D W	23,5	21	28-40	600	No (Static)	2800	119	228x99	200-210	1,1
93121867	TU DLR G2 200MM 2800LM 830 S 80D B	23,5	21	28-40	600	No (Static)	2800	119	228x99	200-210	1,1
93120685	TU DLR G2 200MM 3000LM 840 S 80D W	23,5	21	28-40	600	No (Static)	3000	128	228x99	200-210	1,1
93121962	TU DLR G2 200MM 3000LM 840 S 80D B	23,5	21	28-40	600	No (Static)	3000	128	228x99	200-210	1,1
93120686	TU DLR G2 200MM 3000LM 865 S 80D W	23,5	21	28-40	600	No (Static)	3000	128	228x99	200-210	1,1



Product code	Description	ELECTRICAL DATA				Dimm.	PHOTOMETRICAL DATA		DIMENSIONS & WEIGHTS			
		Luminaire power (W)	Light source On-mode power (W)	Lightsource input voltage (V (DC))	Light source input current (mA)		Luminaire lumen (lm)	Luminaire Efficiency (lm/W)	Dimensions (DxH) (mm)	Cutout Diameter (mm)	Product weight (kg)	
DIMMABLE RANGE												
93120688	TU DLR G2 150MM 1800LM 830 D 80D W	17	15	28	450	Yes (DALI)	1800	106	172x90	150-165	0,3	
93120689	TU DLR G2 150MM 1960LM 840 D 80D W	17	15	28	450	Yes (DALI)	1960	115	172x90	150-165	0,3	
93122273	TU DLR G2 150MM 2100LM 830 D 80D W	20	17,6	28	500	Yes (DALI)	2100	105	172x90	150-165	0,7	
93122266	TU DLR G2 150MM 2100LM 830 D 80D B	20	17,6	28	500	Yes (DALI)	2100	105	172x90	150-165	0,7	
93122244	TU DLR G2 150MM 2200LM 840 D 80D W	20	17,6	28	500	Yes (DALI)	2200	110	172x90	150-165	0,7	
93122271	TU DLR G2 150MM 2200LM 840 D 80D B	20	17,6	28	500	Yes (DALI)	2200	110	172x90	150-165	0,7	
93120690	TU DLR G2 200MM 2650LM 830 D 80D W	23,5	19,8	28	450	Yes (DALI)	2650	113	228x99	200-210	0,3	
93120691	TU DLR G2 200MM 2850LM 840 D 80D W	23,5	19,8	28	450	Yes (DALI)	2850	121	228x99	200-210	0,5	

ACCESSORIES

93120706	DLR wide beam Reflector 6" Matt Silver	-	-	-	-	-	-	-	-	-	-
93120707	DLR wide beam Reflector 8" Matt Silver	-	-	-	-	-	-	-	-	-	-
93121911	DLR Wide Beam Reflector 6" Matt White	-	-	-	-	-	-	-	-	-	-
93121913	DLR Wide Beam Reflector 8" Matt White	-	-	-	-	-	-	-	-	-	-
93121912	DLR Wide Beam Reflector 6" Matt Black	-	-	-	-	-	-	-	-	-	-
93121914	DLR Wide Beam Reflector 8" Matt Black	-	-	-	-	-	-	-	-	-	-

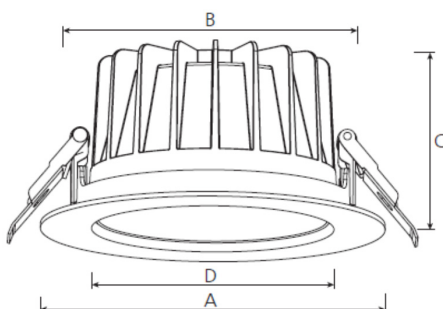
The whole range is compatible with our Emergency Converter Kits: SKU 93100237 and 93100238 with static control products and 93100239 with the DALI control products.

Energy efficiency class (A-G)*

				
93120605	93120703	93120701	93121929	93122273
93120696	93120704	93120702	93120681	93122266
93121294	93120705	93122267	93120687	93122244
93121963	93120604	93122269	93120684	93122271
93121930	93120697	93122272	93121867	93120690
93120682	93120698	93122245	93120685	
93121964	93120699	93122268	93121962	
93120683	93121293	93122270	93120686	
93120691	93121868	93121931	93120688	
	93120700	93121932	93120689	

*according to regulation 2019/2015

Dimensions (mm)

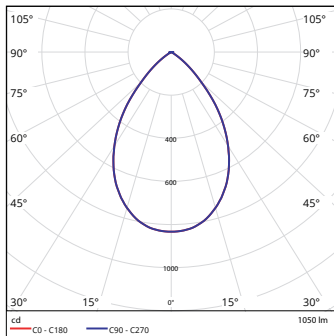


Description	A (mm)	B (mm)	C (mm)	D (mm)	Size (mm)
TU DLR G2 90MM...	110	86	54	69	Ø110x54
TU DLR G2 125MM...	145	120	78	102	Ø145x78
TU DLR G2 150MM...	172	145	90	127	Ø172x90
TU DLR G2 200MM...	228	195	99	176	Ø228x99

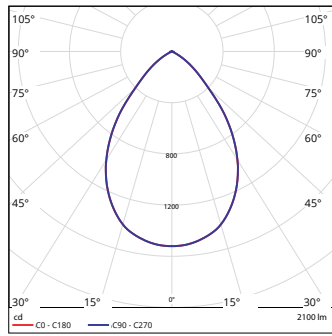
Order logic

Internal Code	Generation	Cutout size	Luminous flux	CRI	CCT	Control	Beam Angle	Finish
TU DLR	G2 - Generation 2	90mm 125mm 150mm 200mm	960LM 1050LM 1150LM 1650LM 1800LM 1900LM 1960LM 2060LM 2100LM 2200LM 2270LM 2300LM 2650LM 2800LM 2850LM 2900LM 3000LM 3050LM	80 - CRI80	30 - 3000K 40 - 4000K 65 - 6500K	S - Static	80D - 80°	W - White B - Black

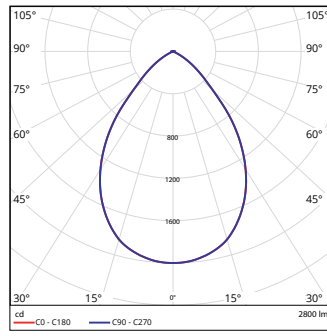
Photometric data



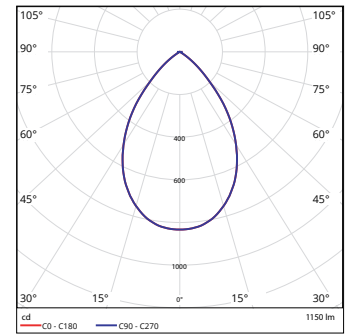
TU DLR G2 150MM 1050LM
830 S 80D W



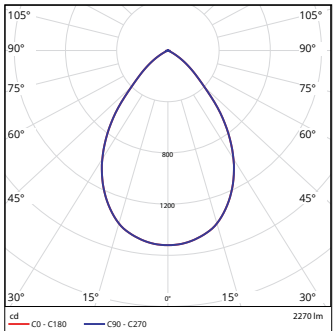
TU DLR G2 200MM 2100LM
830 S 80D W



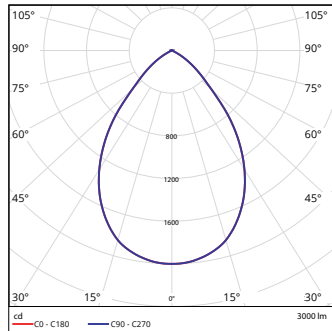
TU DLR G2 200MM 2800LM
830 S 80D W



TU DLR G2 150MM 1150LM
840 S 80D W



TU DLR G2 200MM 2270LM
840 S 80D W



TU DLR G2 200MM 3000LM
840 S 80D W

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

Regulatory and standards

Regulatory mark: CE, UKCA, Morocco

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

Harmonized standards: EN 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