



Tulip L

RECESSED | NON-DALI SERIES

A highly elegant, compact track spotlight. The radiator is encased in the aluminum housing, allowing for a smooth design. Tulip L range includes several special color temperatures for food, art and fashion. Especially suitable for commercial spaces and showrooms that require a sleek, minimalistic luminaire.

The modern touch is given by the aluminum housing and three color options: signal white, jet black and white aluminum.

Available in two series, with different add-ons and controls:

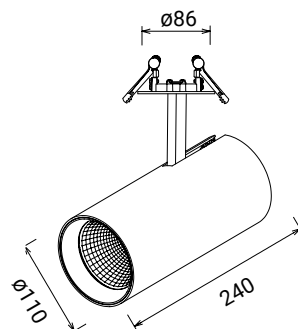
- Tulip L Non-DALI – the standard for any project in the retail sector
- Tulip L DALI – with DALI controls for illumination adjustments

FEATURES & BENEFITS

- CRI > 90 as standard
- 4 color temperatures: 2700K, 3000K, 3500K and 4000K
- Great variety of optics – 4 angles, from narrow beams to flood beams, for each housing size
- Efficiency: 102 lm/W @4000K
- Very long service life: 50.000 h at 90% luminous flux
- Dimmable (only for DALI Series)

APPLICATION

High End Grocery & Supermarkets | Fashion Retailers | Hospitality | Art & Exhibitions



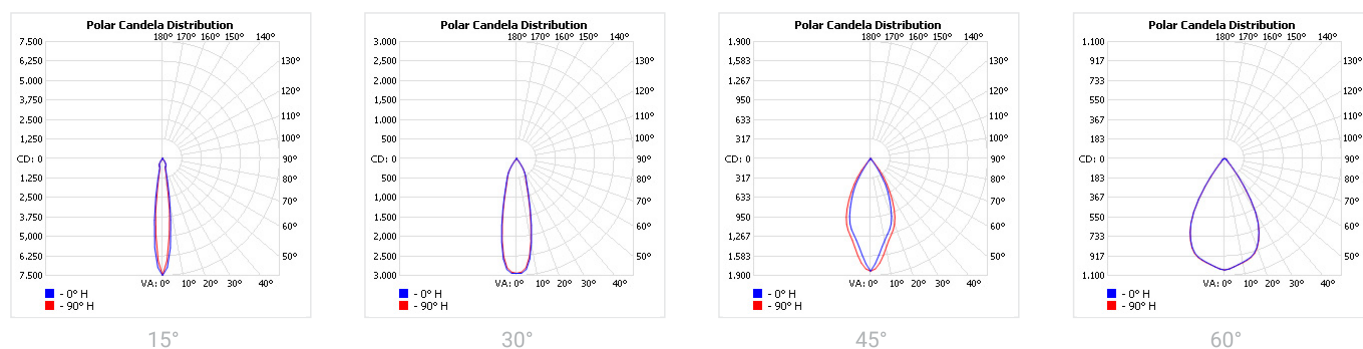
SPECIFICATIONS

Power consumption	14W, 20W, 27W, 35W
Dimensions	Ø110x240x290mm±1mm
Weight	1.7 kg
Housing materials	Aluminium, glass
IK code	IK02
THD (at 230V, 50Hz, Full load)	<8%
Protection class	Safety class 1
Operating temperature [°C]	-20°C ... +45°C / -4F ... +113F
Operating humidity [%]	10 ÷ 85
Power factor	≥0.95
AC Input [Vac]	220 - 240 VAC
Lens angle [°]	15°, 30°, 45°, 60°
Lifespan [h]	50.000
Housing color	○ RAL 9003 - Signal white, ● RAL 9005 - Jet Black, ● RAL 9006 - White Aluminium
Lumen maintenance	L90/B10@50.000h at 25°C
IP factor	IP20
Control optional	-
Warranty [years]	5
Storage temperature range [°C]	-20°C ... +55°C / -4F ... +131F
Emergency option	-

#	Standard
CRI	CRI90
CCT [K]	2700/3000/3500/4000
MacAdam	3

CRI - Color rendering, CCT - Color temperature, MacAdam - Color consistency

LIGHT DISTRIBUTION



TOLERANCES

Luminous flux tolerances: -/+ 5%

Consumption tolerance: -/+ 5% for Non-DALI | -/+ 10% for Non-DALI & KIT EM | -/+ 10% for DALI | -/+ 15% for DALI & KIT EM

BATTERY WARRANTY

Non-DALI EM & DALI EM: 12 months warranty

Non-DALI & DALI: -

MAXIMUM NO. OF LUMINAIRES ON A CIRCUIT

Luminaire Power(W)	Control type	Circuit Breaker Type					
		B			C		
		20	16	10	20	16	10
14-20W	Non-DALI	62	50	31	104	85	52
27-35W	Non-DALI	62	50	31	104	85	52
14W	DALI	44	35	21	73	58	35
20W	DALI	40	32	18	66	53	30
27W-35W	DALI	28	22	13	46	36	21

RISK GROUP

Standard (CRI80)	RG1	RG1 The evaluation of photobiological safety is carried out according to the standard IEC 62471:2008 ("Photobiological safety of lamps and lamp systems"). Following the definition of the risk grouping system of the mentioned IEC standard, the LEDs mounted on this family fall into the class "Low Risk (RG1 – No photobiological hazard under normal behavioral limitations)". Under real circumstances (regarding exposure time, pupils, observation distance), it is assumed that there is no endangerment to the eye from these devices. As a matter of principle, however, it should be mentioned that intense light sources have a high secondary exposure potential due to their blinding effect.
FOOD (BVF, FBS, FSM)	RG1	
FOOD <20W (FZM, FSH)	RG2 (dthr=1.8m)	RG2 The evaluation of photobiological safety is carried out according to the standard IEC 62471:2008 ("Photobiological safety of lamps and lamp systems"). Following the definition of the risk grouping system of the mentioned IEC standard, the LEDs mounted on this family fall into the class "Moderate Risk (RG2)". Under real circumstances (regarding exposure time, pupils, observation distance), it is assumed that there is no endangerment to the eye from these devices. As a matter of principle, however, it should be mentioned that intense light sources have a high secondary exposure potential due to their blinding effect.
FOOD >20W (FZM, FSH)	RG2 (dthr=2.2m)	
FAS	RG1	
AMB2200	RG1	
ART	RG1	
AGI	RG1	
CRI95	RG1	

SKU SPECIFICATIONS

Product Code	Dimensions (mm)	CCT (K)	Lumens (lm)	Power (W)	Eff. (lm/watt)	Lens Angle (°)
CRI 90						
5G2068 TulipL RE R34017R/2700/14W/90/A15	Ø110x240x290mm±1mm	2700	1265	14W	91	15°
5G2069 TulipL RE R34017R/3000/14W/90/A15	Ø110x240x290mm±1mm	3000	1290	14W	93	15°
5G2070 TulipL RE R34017R/3500/14W/90/A15	Ø110x240x290mm±1mm	3500	1355	14W	97	15°
5G2071 TulipL RE R34017R/4000/14W/90/A15	Ø110x240x290mm±1mm	4000	1420	14W	102	15°
5G2072 TulipL RE R34017R/2700/14W/90/A30	Ø110x240x290mm±1mm	2700	1265	14W	91	30°
5G2073 TulipL RE R34017R/3000/14W/90/A30	Ø110x240x290mm±1mm	3000	1290	14W	93	30°
5G2074 TulipL RE R34017R/3500/14W/90/A30	Ø110x240x290mm±1mm	3500	1355	14W	97	30°
5G2075 TulipL RE R34017R/4000/14W/90/A30	Ø110x240x290mm±1mm	4000	1420	14W	102	30°
5G2076 TulipL RE R34017R/2700/14W/90/A45	Ø110x240x290mm±1mm	2700	1265	14W	91	45°
5G2077 TulipL RE R34017R/3000/14W/90/A45	Ø110x240x290mm±1mm	3000	1290	14W	93	45°
5G2078 TulipL RE R34017R/3500/14W/90/A45	Ø110x240x290mm±1mm	3500	1355	14W	97	45°
5G2079 TulipL RE R34017R/4000/14W/90/A45	Ø110x240x290mm±1mm	4000	1420	14W	102	45°
5G2080 TulipL RE R34017R/2700/14W/90/A60	Ø110x240x290mm±1mm	2700	1265	14W	91	60°
5G2081 TulipL RE R34017R/3000/14W/90/A60	Ø110x240x290mm±1mm	3000	1290	14W	93	60°
5G2082 TulipL RE R34017R/3500/14W/90/A60	Ø110x240x290mm±1mm	3500	1355	14W	97	60°
5G2083 TulipL RE R34017R/4000/14W/90/A60	Ø110x240x290mm±1mm	4000	1420	14W	102	60°
5G2084 TulipL RE R34017R/2700/20W/90/A15	Ø110x240x290mm±1mm	2700	1765	20W	89	15°
5G2085 TulipL RE R34017R/3000/20W/90/A15	Ø110x240x290mm±1mm	3000	1795	20W	90	15°
5G2086 TulipL RE R34017R/3500/20W/90/A15	Ø110x240x290mm±1mm	3500	1880	20W	94	15°
5G2087 TulipL RE R34017R/4000/20W/90/A15	Ø110x240x290mm±1mm	4000	1975	20W	99	15°
5G2088 TulipL RE R34017R/2700/20W/90/A30	Ø110x240x290mm±1mm	2700	1765	20W	89	30°
5G2089 TulipL RE R34017R/3000/20W/90/A30	Ø110x240x290mm±1mm	3000	1795	20W	90	30°
5G2090 TulipL RE R34017R/3500/20W/90/A30	Ø110x240x290mm±1mm	3500	1880	20W	94	30°
5G2091 TulipL RE R34017R/4000/20W/90/A30	Ø110x240x290mm±1mm	4000	1975	20W	99	30°
5G2092 TulipL RE R34017R/2700/20W/90/A45	Ø110x240x290mm±1mm	2700	1765	20W	89	45°
5G2093 TulipL RE R34017R/3000/20W/90/A45	Ø110x240x290mm±1mm	3000	1795	20W	90	45°
5G2094 TulipL RE R34017R/3500/20W/90/A45	Ø110x240x290mm±1mm	3500	1880	20W	94	45°
5G2095 TulipL RE R34017R/4000/20W/90/A45	Ø110x240x290mm±1mm	4000	1975	20W	99	45°
5G2096 TulipL RE R34017R/2700/20W/90/A60	Ø110x240x290mm±1mm	2700	1765	20W	89	60°
5G2097 TulipL RE R34017R/3000/20W/90/A60	Ø110x240x290mm±1mm	3000	1795	20W	90	60°
5G2098 TulipL RE R34017R/3500/20W/90/A60	Ø110x240x290mm±1mm	3500	1880	20W	94	60°
5G2099 TulipL RE R34017R/4000/20W/90/A60	Ø110x240x290mm±1mm	4000	1975	20W	99	60°
5G2100 TulipL RE R34017R/2700/27W/90/A15	Ø110x240x290mm±1mm	2700	2315	27W	86	15°
5G2101 TulipL RE R34017R/3000/27W/90/A15	Ø110x240x290mm±1mm	3000	2425	27W	90	15°
5G2102 TulipL RE R34017R/3500/27W/90/A15	Ø110x240x290mm±1mm	3500	2480	27W	92	15°
5G2103 TulipL RE R34017R/4000/27W/90/A15	Ø110x240x290mm±1mm	4000	2565	27W	95	15°
5G2104 TulipL RE R34017R/2700/27W/90/A30	Ø110x240x290mm±1mm	2700	2315	27W	86	30°
5G2105 TulipL RE R34017R/3000/27W/90/A30	Ø110x240x290mm±1mm	3000	2425	27W	90	30°
5G2106 TulipL RE R34017R/3500/27W/90/A30	Ø110x240x290mm±1mm	3500	2480	27W	92	30°
5G2107 TulipL RE R34017R/4000/27W/90/A30	Ø110x240x290mm±1mm	4000	2565	27W	95	30°
5G2108 TulipL RE R34017R/2700/27W/90/A45	Ø110x240x290mm±1mm	2700	2315	27W	86	45°
5G2109 TulipL RE R34017R/3000/27W/90/A45	Ø110x240x290mm±1mm	3000	2425	27W	90	45°
5G2110 TulipL RE R34017R/3500/27W/90/A45	Ø110x240x290mm±1mm	3500	2480	27W	92	45°
5G2111 TulipL RE R34017R/4000/27W/90/A45	Ø110x240x290mm±1mm	4000	2565	27W	95	45°
5G2112 TulipL RE R34017R/2700/27W/90/A60	Ø110x240x290mm±1mm	2700	2315	27W	86	60°
5G2113 TulipL RE R34017R/3000/27W/90/A60	Ø110x240x290mm±1mm	3000	2425	27W	90	60°
5G2114 TulipL RE R34017R/3500/27W/90/A60	Ø110x240x290mm±1mm	3500	2480	27W	92	60°
5G2115 TulipL RE R34017R/4000/27W/90/A60	Ø110x240x290mm±1mm	4000	2565	27W	95	60°
5G2116 TulipL RE R34017R/2700/35W/90/A15	Ø110x240x290mm±1mm	2700	3045	35W	87	15°
5G2117 TulipL RE R34017R/3000/35W/90/A15	Ø110x240x290mm±1mm	3000	3185	35W	91	15°

SKU SPECIFICATIONS

Product Code	Dimensions (mm)	CCT (K)	Lumens (lm)	Power (W)	Eff. (lm/watt)	Lens Angle (°)
CRI 90						
5G2118 TulipL RE R34017R/3500/35W/90/A15	Ø110x240x290mm±1mm	3500	3255	35W	93	15°
5G2119 TulipL RE R34017R/4000/35W/90/A15	Ø110x240x290mm±1mm	4000	3370	35W	97	15°
5G2120 TulipL RE R34017R/2700/35W/90/A30	Ø110x240x290mm±1mm	2700	3045	35W	87	30°
5G2121 TulipL RE R34017R/3000/35W/90/A30	Ø110x240x290mm±1mm	3000	3185	35W	91	30°
5G2122 TulipL RE R34017R/3500/35W/90/A30	Ø110x240x290mm±1mm	3500	3255	35W	93	30°
5G2123 TulipL RE R34017R/4000/35W/90/A30	Ø110x240x290mm±1mm	4000	3370	35W	97	30°
5G2124 TulipL RE R34017R/2700/35W/90/A45	Ø110x240x290mm±1mm	2700	3045	35W	87	45°
5G2125 TulipL RE R34017R/3000/35W/90/A45	Ø110x240x290mm±1mm	3000	3185	35W	91	45°
5G2126 TulipL RE R34017R/3500/35W/90/A45	Ø110x240x290mm±1mm	3500	3255	35W	93	45°
5G2127 TulipL RE R34017R/4000/35W/90/A45	Ø110x240x290mm±1mm	4000	3370	35W	97	45°
5G2128 TulipL RE R34017R/2700/35W/90/A60	Ø110x240x290mm±1mm	2700	3045	35W	87	60°
5G2129 TulipL RE R34017R/3000/35W/90/A60	Ø110x240x290mm±1mm	3000	3185	35W	91	60°
5G2130 TulipL RE R34017R/3500/35W/90/A60	Ø110x240x290mm±1mm	3500	3255	35W	93	60°
5G2131 TulipL RE R34017R/4000/35W/90/A60	Ø110x240x290mm±1mm	4000	3370	35W	97	60°