



Tulip M

RECESSED | NON-DALI SERIES

A highly elegant, compact track spotlight. The radiator is encased in the aluminum housing, allowing for a smooth design. Tulip M 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:

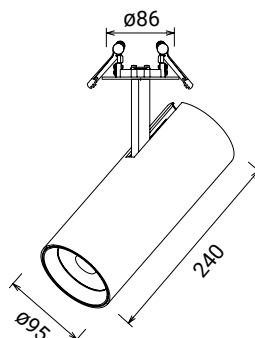
- Tulip M Non-DALI – the standard for any project in the retail sector
- Tulip M DALI – with DALI controls for illumination adjustments

FEATURES & BENEFITS

- CRI > 90 as standard
- 4 color temperatures: 2700K, 3000K, 3500K and 4000K
- Great variety of optics – 3 angles
- 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



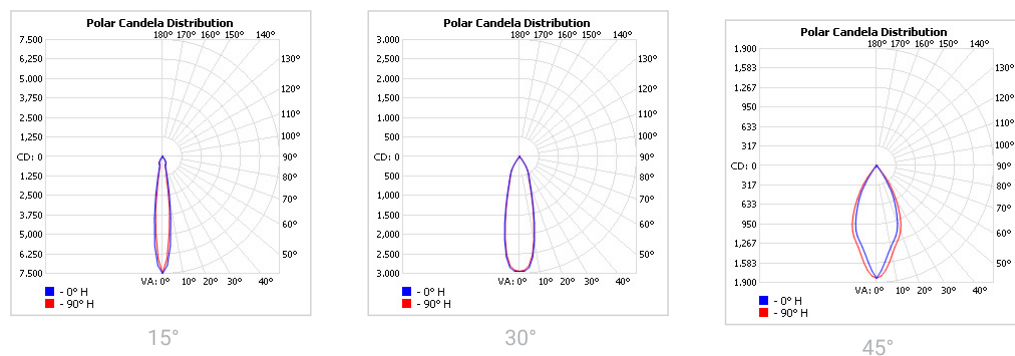
SPECIFICATIONS

Power consumption	14W, 20W, 27W
Dimensions	Ø95x240x290mm±1mm
Weight	1.5 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°
Lifespan [h]	50.000
Housing color	○ RAL 9003 - Signal white, ● RAL 9005 - Jet Black
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
27W	Non-DALI	62	50	31	104	85	52
14W	DALI	44	35	21	73	58	35
20W-27W	DALI	94	95	47	94	95	47

RISK GROUP

Standard (CRI80)	RG1
FOOD (BVF, FBS, FSM)	RG1
FOOD ≤35W (FZM, FSH)	RG1
FOOD >35W (FZM, FSH)	RG2
FAS	RG1
AMB2200	RG1
ART	RG1
AGI	RG1
CRI90	RG1
CRI95	RG1
ENT	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.

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.

SKU SPECIFICATIONS

Product Code	Dimensions (mm)	CCT (K)	Lumens (lm)	Power (W)	Eff. (lm/watt)	Lens Angle (°)
CRI 90						
5G2032 TulipM RE R34016R/2700/14W/90/A15	Ø95x240x290mm±1mm	2700	1265	14W	91	15°
5G2033 TulipM RE R34016R/3000/14W/90/A15	Ø95x240x290mm±1mm	3000	1290	14W	93	15°
5G2034 TulipM RE R34016R/3500/14W/90/A15	Ø95x240x290mm±1mm	3500	1355	14W	97	15°
5G2035 TulipM RE R34016R/4000/14W/90/A15	Ø95x240x290mm±1mm	4000	1420	14W	102	15°
5G2036 TulipM RE R34016R/2700/14W/90/A30	Ø95x240x290mm±1mm	2700	1265	14W	91	30°
5G2037 TulipM RE R34016R/3000/14W/90/A30	Ø95x240x290mm±1mm	3000	1290	14W	93	30°
5G2038 TulipM RE R34016R/3500/14W/90/A30	Ø95x240x290mm±1mm	3500	1355	14W	97	30°
5G2039 TulipM RE R34016R/4000/14W/90/A30	Ø95x240x290mm±1mm	4000	1420	14W	102	30°
5G2040 TulipM RE R34016R/2700/14W/90/A45	Ø95x240x290mm±1mm	2700	1265	14W	91	45°
5G2041 TulipM RE R34016R/3000/14W/90/A45	Ø95x240x290mm±1mm	3000	1290	14W	93	45°
5G2042 TulipM RE R34016R/3500/14W/90/A45	Ø95x240x290mm±1mm	3500	1355	14W	97	45°
5G2043 TulipM RE R34016R/4000/14W/90/A45	Ø95x240x290mm±1mm	4000	1420	14W	102	45°
5G2044 TulipM RE R34016R/2700/20W/90/A15	Ø95x240x290mm±1mm	2700	1765	20W	89	15°
5G2045 TulipM RE R34016R/3000/20W/90/A15	Ø95x240x290mm±1mm	3000	1795	20W	90	15°
5G2046 TulipM RE R34016R/3500/20W/90/A15	Ø95x240x290mm±1mm	3500	1880	20W	94	15°
5G2047 TulipM RE R34016R/4000/20W/90/A15	Ø95x240x290mm±1mm	4000	1975	20W	99	15°
5G2048 TulipM RE R34016R/2700/20W/90/A30	Ø95x240x290mm±1mm	2700	1765	20W	89	30°
5G2049 TulipM RE R34016R/3000/20W/90/A30	Ø95x240x290mm±1mm	3000	1795	20W	90	30°
5G2050 TulipM RE R34016R/3500/20W/90/A30	Ø95x240x290mm±1mm	3500	1880	20W	94	30°
5G2051 TulipM RE R34016R/4000/20W/90/A30	Ø95x240x290mm±1mm	4000	1975	20W	99	30°
5G2052 TulipM RE R34016R/2700/20W/90/A45	Ø95x240x290mm±1mm	2700	1765	20W	89	45°
5G2053 TulipM RE R34016R/3000/20W/90/A45	Ø95x240x290mm±1mm	3000	1795	20W	90	45°
5G2054 TulipM RE R34016R/3500/20W/90/A45	Ø95x240x290mm±1mm	3500	1880	20W	94	45°
5G2055 TulipM RE R34016R/4000/20W/90/A45	Ø95x240x290mm±1mm	4000	1975	20W	99	45°
5G2056 TulipM RE R34016R/2700/27W/90/A15	Ø95x240x290mm±1mm	2700	2315	27W	86	15°
5G2057 TulipM RE R34016R/3000/27W/90/A15	Ø95x240x290mm±1mm	3000	2425	27W	90	15°
5G2058 TulipM RE R34016R/3500/27W/90/A15	Ø95x240x290mm±1mm	3500	2480	27W	92	15°
5G2059 TulipM RE R34016R/4000/27W/90/A15	Ø95x240x290mm±1mm	4000	2565	27W	95	15°
5G2060 TulipM RE R34016R/2700/27W/90/A30	Ø95x240x290mm±1mm	2700	2315	27W	86	30°
5G2061 TulipM RE R34016R/3000/27W/90/A30	Ø95x240x290mm±1mm	3000	2425	27W	90	30°
5G2062 TulipM RE R34016R/3500/27W/90/A30	Ø95x240x290mm±1mm	3500	2480	27W	92	30°
5G2063 TulipM RE R34016R/4000/27W/90/A30	Ø95x240x290mm±1mm	4000	2565	27W	95	30°
5G2064 TulipM RE R34016R/2700/27W/90/A45	Ø95x240x290mm±1mm	2700	2315	27W	86	45°
5G2065 TulipM RE R34016R/3000/27W/90/A45	Ø95x240x290mm±1mm	3000	2425	27W	90	45°
5G2066 TulipM RE R34016R/3500/27W/90/A45	Ø95x240x290mm±1mm	3500	2480	27W	92	45°
5G2067 TulipM RE R34016R/4000/27W/90/A45	Ø95x240x290mm±1mm	4000	2565	27W	95	45°