

TALEX LED

TALEXmodule QLE



Spotlights



Downlights



Linear



Wide Area



Floor | Wall



Free Standing



Decorative



High Bay

A square deal – great flexibility and even greater efficiency

The square design is an ideal basis for equipping linear or square fixtures. The new 20% more efficient generation achieves a luminous efficacy of up to 181 lm/W. For the same amount of light and therefore the same planning basis the power consumption is reduced and colour continuity is optimised for MacAdam 3.

TALEXengine QLE combines well with its linear TALEXengine LLE sister products. It is therefore very easy to implement new design concepts. Up to six LED modules can be operated with just one LED Driver.

Product Portfolio – Overview

ESSENCE

Cost-effective

Static White (3,000K, 4,000K, 5,000K and 6,500K) with a CRI > 80



ADVANCED-SE

Best value for money

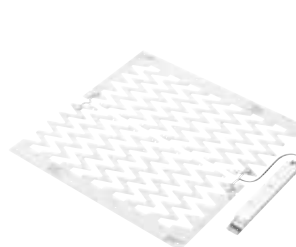
Static White in 3,000K, 4,000K and 5,000K with a CRI > 80



ADVANCED

Simplicity itself

Static White in 3,000K, 4,000K, 5,000K and 6,500K with a CRI > 80



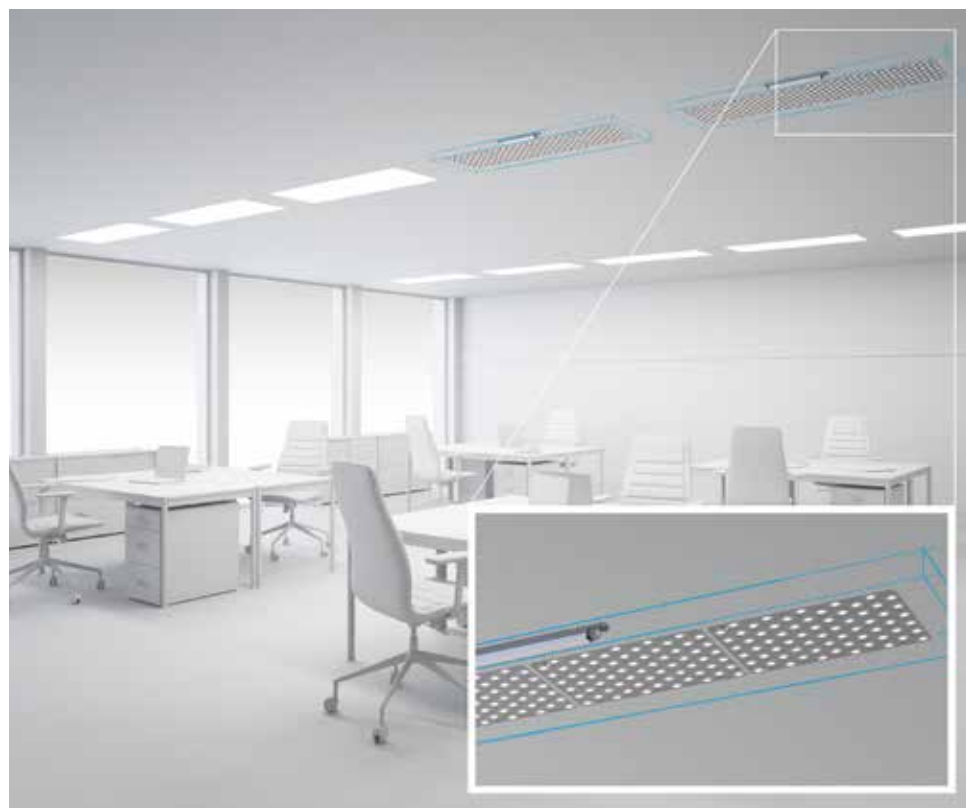
PREMIUM

Convenient

Tunable White 2,700K – 6,500K with a CRI > 80 or > 90



Typical applications



TALEXmodule QLE G1 ESSENCE

NEW



TALEXmodule QLE G1 SNC



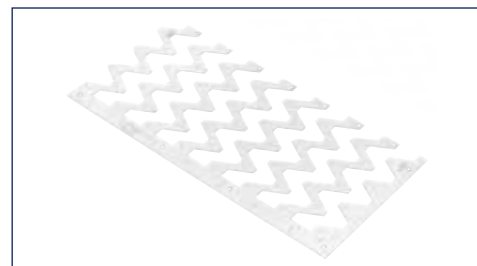
TALEXmodule	Colourtemperature	Mac Adam	Luminous flux ¹⁾	CRI	Typ. power consumption ¹⁾	Module efficacy ¹⁾ tp = 45°C	Size	Order No.
Non-SELV								
QLE G1 471x462mm 5000lm 830 HV SNC	3,000K	SDCM 4	4,860lm	> 80	37.4 W	up to 130lm/W	471 x 462	89602704 ²⁾
QLE G1 471x462mm 5000lm 840 HV SNC	4,000K	SDCM 4	4,860lm	> 80	37.4 W	up to 130lm/W	471 x 462	89602705
QLE G1 471x462mm 5000lm 850 HV SNC	5,000K	SDCM 4	4,940lm	> 80	37.4 W	up to 133lm/W	471 x 462	89602706 ²⁾
QLE G1 471x462mm 5000lm 865 HV SNC	6,500K	SDCM 4	4,940lm	> 80	37.4 W	up to 133lm/W	471 x 462	89602707 ²⁾
SELV								
QLE G1 471x462mm 5000lm 830 LV SNC	3,000K	SDCM 4	4,860lm	> 80	37.4 W	up to 130lm/W	471 x 462	89602708 ²⁾
QLE G1 471x462mm 5000lm 840 LV SNC	4,000K	SDCM 4	4,860lm	> 80	37.4 W	up to 130lm/W	471 x 462	89602709 ²⁾
QLE G1 471x462mm 5000lm 850 LV SNC	5,000K	SDCM 4	4,940lm	> 80	37.4 W	up to 133lm/W	471 x 462	89602710 ²⁾
QLE G1 471x462mm 5000lm 865 LV SNC	6,500K	SDCM 4	4,940lm	> 80	37.4 W	up to 133lm/W	471 x 462	89602711 ²⁾

¹⁾Tolerance range for optical and electrical data: ±10 %. ²⁾Purchase to order

▼ At a glance: TALEXmodule QLE G1 ESSENCE

- ___ Module efficacy of up to 140lm/W (tp = 45°C)
- ___ Small colour tolerance MacAdam 4
- ___ Time saving: less mounting/wiring effort as modules are rectangular – only one module mounted in a 600 x 600mm luminaire
- ___ Self cooling (no additional heat sink required)
- ___ Push terminals for quick and simple wiring of LED module
- ___ Good homogeneity and illumination with 5,000lm
- ___ Ideal for linear and panel lights
- ___ Long lifetime: 50,000 hours
- ___ 5-year guarantee

TALEXmodule QLE G1 ADVANCED-SE



TALEXmodule	Colourtemperature	MacAdam	Luminous flux ¹⁾	CRI	Typ. power consumption ¹⁾	Module efficacy ¹⁾ tp = 45°C	Size	Order No.
QLE G1 488x239mm 2500lm 830 ADV-SE	3,000K	SDCM 3	2,560lm	> 80	18.8 W	up to 137 lm/W	488 x 239 mm	89600862
QLE G1 488x239mm 2500lm 840 ADV-SE	4,000K	SDCM 3	2,640lm	> 80	18.8 W	up to 141 lm/W	488 x 239 mm	89600863
QLE G1 488x239mm 2500lm 850 ADV-SE	5,000K	SDCM 3	2,860lm	> 80	18.8 W	up to 152 lm/W	488 x 239 mm	89600877 ²⁾
QLE G1 488x239mm 2500lm 865 ADV-SE	6,500K	SDCM 3	2,690lm	> 80	18.8 W	up to 144 lm/W	488 x 239 mm	89602495

¹⁾Tolerance range for optical and electrical data: ±10 %, 350 mA operation; ²⁾Purchase to order

▼ At a glance: TALEXmodule QLE G1 ADVANCED-SE

- ___ Module efficacy of up to 161 lm/W (HE at 250 mA, tp = 45°C)
- ___ Small colour tolerance MacAdam 3
- ___ Time saving: less mounting/wiring effort as modules are rectangular – only two modules mounted in a 600 x 600 mm luminaire
- ___ Simple installation with the ACQ mounting bracket accessories
- ___ Self cooling (no additional heat sink required)
- ___ Excellent homogeneity and illumination
- ___ Ideal for linear and panel lights
- ___ Long lifetime: 50,000 hours
- ___ 5-year guarantee

TALEXmodule QLE ADVANCED-SE



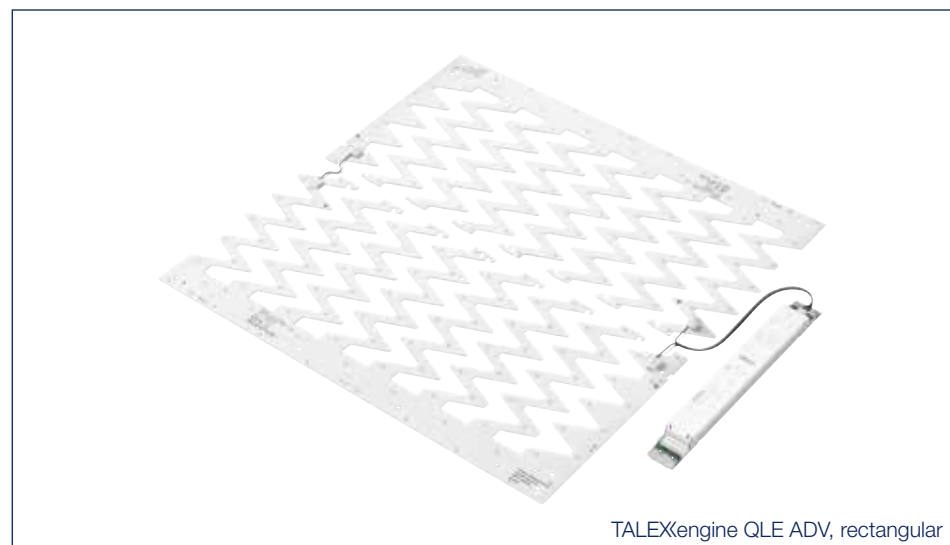
TALEXmodule	Colourtemperature	Mac Adam	Luminous flux ¹⁾	CRI	Typ. power consumption ¹⁾	Module efficacy ¹⁾ tp = 45°C	Size	Order No.
QLE G2 380x380mm 5000lm 840 ADV-SE	3,000K	SDCM 3	4,600lm	> 80	34.1 W	up to 135lm/W	380 x 380mm	89602156
QLE G2 380x380mm 5000lm 840 ADV-SE	4,000K	SDCM 3	5,020lm	> 80	34.1 W	up to 147lm/W	380 x 380mm	89602157

¹⁾Tolerance range for optical and electrical data: ±10 %, 1,050 mA operation

▼ At a glance: TALEXmodule QLE ADVANCED-SE

- ___ Module efficacy of up to 155lm/W (HE at 825mA, tp = 45°C)
- ___ Small colour tolerance MacAdam 3
- ___ Self cooling (no additional heat sink required)
- ___ 121 LED packages for excellent homogeneity and illumination
- ___ Ideal for panel and louvre luminaires, cost-effective replacement for 4 x 14 W (18 W) T5/T8 lamps
- ___ Long lifetime: 50,000 hours
- ___ 5-year guarantee

TALEXmodule QLE ADVANCED



TALEXmodule	Colour temperature	Mac Adam	Typical luminous flux ¹⁾	CRI	Typ. power consumption ¹⁾	Module efficacy ¹⁾ tp = 45°C	Size	Order No.
TALEXmodule QLE G4, rectangular								
QLE G4 488x237mm 2500lm 830 ADV	3,000K	SDCM 3	2,430lm	> 80	14.6W	up tp 166lm/W	488 x 237 mm	89602377
QLE G4 488x237mm 2500lm 840 ADV	4,000K	SDCM 3	2,590lm	> 80	14.6W	up tp 177lm/W	488 x 237 mm	89602378
QLE G4 488x237mm 2500lm 850 ADV	5,000K	SDCM 3	2,590lm	> 80	14.6W	up tp 177lm/W	488 x 237 mm	89602379 ²⁾
QLE G4 488x237mm 2500lm 865 ADV	6,500K	SDCM 3	2,590lm	> 80	14.6W	up tp 177lm/W	488 x 237 mm	89602380
TALEXmodule QLE G4, quadrant								
QLE G4 240x237mm 1250lm 830 ADV	3,000K	SDCM 3	1,220lm	> 80	7.3W	up tp 166lm/W	240 x 237 mm	89602392
QLE G4 240x237mm 1250lm 840 ADV	4,000K	SDCM 3	1,300lm	> 80	7.3W	up tp 177lm/W	240 x 237 mm	89602393
QLE G4 240x237mm 1250lm 850 ADV	5,000K	SDCM 3	1,300lm	> 80	7.3W	up tp 177lm/W	240 x 237 mm	89602394 ²⁾
QLE G4 240x237mm 1250lm 865 ADV	6,500K	SDCM 3	1,300lm	> 80	7.3W	up tp 177lm/W	240 x 237 mm	89602395

¹⁾Tolerance range for optical and electrical data: ±10 %, 325 mA operation; ²⁾Purchase to order

Sample box for design-in

Designation	Order No.
QLE G4 488x237mm 2500lm 840 ADV QTY2 (comprises 2 rectangular LED module)	89602617
QLE G4 240x237mm 1250lm 840 ADV QTY4 (comprises 4 quadrant LED module)	89602618

▼ At a glance: TALEXmodule QLE ADVANCED

- ___ LED system solution with outstanding system efficacy up to 167 lm/W
- ___ High module efficacy of up to 181 lm/W (tp = 45°C, HE at 275 mA)
- ___ Simple installation with the ACQ mounting bracket accessories
- ___ Small colour tolerance MacAdam 3
- ___ Long lifetime: 50,000 hours
- ___ 5-year guarantee

TALEXmodule QLE Shallow ADVANCED

NEW



TALEXmodule	Colour temperature	Mac Adam	Typical luminous flux ¹⁾	CRI	Typ. power consumption ¹⁾	Module efficacy ¹⁾ tp = 45°C	Size	Order No.
QLE Shallow G1 255x255mm 1950lm 830 ADV	3,000K	SDCM 3	1,870lm	> 80	11 W	up to 170lm/W	255 x 255 mm	89602493
QLE Shallow G1 255x255mm 1950lm 840 ADV	4,000K	SDCM 3	1,940lm	> 80	11 W	up to 176lm/W	255 x 255 mm	89602494

¹⁾Tolerance range for optical and electrical data: ±10 %, 325 mA operation

▼ At a glance: TALEXmodule QLE ADVANCED

- ___ LED system solution with outstanding system efficacy up to 162 lm/W
- ___ High module efficacy of up to 184 lm/W (tp = 45°C, HE at 250 mA)
- ___ Small colour tolerance MacAdam 3
- ___ Long lifetime: 50,000 hours
- ___ 5-year guarantee

TALEXengine QLE PREMIUM

Tunable White systems of Tridonic gives you the option of setting the colour temperature of white light to any value between 3,000 K and 6,000 K. This function is essential for contemporary biologically effective lighting solutions which aim to simulate natural light indoors. The light in daylight quality promotes a feeling of well-being and productivity for people who have to spend many hours a day in artificial light. This explains the high importance attached to lighting concepts involving Tunable White and optimum light quality in offices, education establishments and health care facilities.

The TALEXengine Tunable White Linear Kit is precalibrated at the factory and offered in sets comprising a converter and 4 to 6 LED modules. Constant luminous flux over the entire adjustable colour temperature range is particularly important for professional room planning. TALEXengine Tunable White opens up a really interesting area of application, not least thanks to its reproducible and consistent colour rendering.

In addition, the Tunable White modules are also available individually and can therefore be used with LED drivers from our driver portfolio in any combination. Use TALEXdrivers from the PREMIUM series to control your Tunable White solution via DT6. Or LED drivers from our EXCITE series for fixed-output applications.

▼ **At a glance: TALEXengine QLE PREMIUM**

- ___ Quadratic Tunable White system with adjustable colour temperature between 3,000K and 6,000K at constant luminous flux
- ___ Available in CRI > 80 and CRI > 90
- ___ Precalibrated set for optimum quality of light and colour consistency (SDCM 3), consisting of an LED driver and 4–6 quadratic LED modules
- ___ LED modules are also available individually
- ___ Dimming range of 100–10 % with no change in colour temperature
- ___ Low-profile LED drivers with digital interface (DALI DT8, DSI, switchDIM, colourSWITCH)
- ___ Long lifetime of 50,000 hours with 5-year system guarantee

TALEXengine QLE PREMIUM CRI > 80

Typ	Colour-temperature	Typ. luminous flux ¹⁾	CRI	Mac Adam	Typ. power consumption ¹⁾	System efficacy	Size per module	Order No.
TW QLE G1 270mm 4x1250lm 830-860 PRE KIT (1 LED-Driver + 4 LED-Module à 1.250lm)	3,000–6,000K Tunable White	5,120lm	> 80	SDCM 3	38.7W	up to 132lm/W	270 x 270mm	89600647
TW QLE G1 270mm 5x1250lm 830-860 PRE KIT (1 LED-Driver + 5 LED-Module à 1.250lm)	3,000–6,000K Tunable White	6,400lm	> 80	SDCM 3	48.5W	up to 132lm/W (System)	270 x 270mm	89602481
TW QLE G1 270mm 6x1250lm 830-860 PRE KIT (1 LED-Driver + 6 LED-Module à 1.250lm)	3,000–6,000K Tunable White	7,680lm	> 80	SDCM 3	57.8W	up to 133lm/W	270 x 270mm	89602482

¹⁾Tolerance range for optical data: ±5 %, Tolerance range for electrical data: ±15 %, tp = 45 °C

TALEXengine QLE PREMIUM CRI > 90

NEW	Typ	Colour-temperature	Typ. luminous flux ¹⁾	CRI	Mac Adam	Typ. power consumption ¹⁾	System efficacy	Size per module	Order No.
	QLE 270mm 4x1250lm 930-960 PRE KIT* (1 LED-Driver + 4 LED-Module à 1.250lm)	3,000–6,000K Tunable White	5,160lm	> 90	SDCM 3	39W	up to 133lm/W	270 x 270mm	89602741
	QLE 270mm 5x1250lm 930-960 PRE KIT* (1 LED-Driver + 5 LED-Module à 1.250lm)	3,000–6,000K Tunable White	6,450lm	> 90	SDCM 3	49W	up to 133lm/W	270 x 270mm	89602742
	QLE 270mm 6x1250lm 930-960 PRE KIT* (1 LED-Driver + 6 LED-Module à 1.250lm)	3,000–6,000K Tunable White	7,740lm	> 90	SDCM 3	58W	up to 134lm/W	270 x 270mm	89602743

*Coming soon. Preliminary data. ¹⁾Tolerance range for optical data: ±5 %, Tolerance range for electrical data: ±15 %, tp = 45 °C

TALEXmodule QLE PREMIUM CRI > 80

Typ	Colour-temperature	Typ. luminous flux ¹⁾	CRI	Mac Adam	Size	Art.-Nr.
TW QLE G1 270mm 1250lm 827-865 PRE (LED-Modul)	2,700K	1,290lm	> 80	SDCM 3	270 x 270mm	89600648
	6,500K	1,430lm	> 80	SDCM 3	270 x 270mm	

¹⁾Tolerance range for optical data: ±5 %, Tolerance range for electrical data: ±15 %, tp = 45 °C

TALEXmodule QLE PREMIUM CRI > 90

NEW	Typ	Colour-temperature	Typ. luminous flux ¹⁾	CRI	Mac Adam	Size	Art.-Nr.
QLE 270mm 1250lm 930-960 PRE* (LED-Modul)		2,700 K	1,235 lm	> 90	SDCM 3	270 x 270 mm	89602740
		6,500 K	1,345 lm	> 90	SDCM 3	270 x 270 mm	

*Coming soon. Preliminary data. ¹⁾Tolerance range for optical data: ±5 %, Tolerance range for electrical data: ±15 %, tp = 45 °C

Simple installation with the appropriate accessories

The ACQ mounting bracket enables TALEXmodule QLE G1 ADV-SE and QLE G4 ADV to be mounted at the right spacing from one another in the luminaire. A sensor can be installed in the recess between two mounting brackets and the cable laid in the cable clamps on the top.



QLE G4

ACQ mounting bracket

TALEXmodule QLE G1 ADV-SE and G4 ADV is installed flush in the luminaire. This ensures the necessary protection against accidental contact for non-SELV luminaires.

Designation	Length	Colour	Order No.
ACQ MOUNTING BRACKET PUSH-FIX	225mm	White	28001632

Support and advice from a single source

We will help you to create lighting solutions that are unbeatable in terms of economy and functionality, according to the slogan: We devote all our energy to your light.



TALEXengine DLE



TALEXengine CLE



TALEXengine CLE Integrated



TALEXengine LLE-FLEX



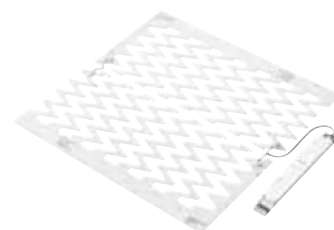
TALEXengine SLE



TALEXengine FLE



TALEXengine LLE



TALEXengine QLE

As an international company, Tridonic is represented worldwide by 30 branch offices and partners in 73 countries.



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Light you want to follow.

