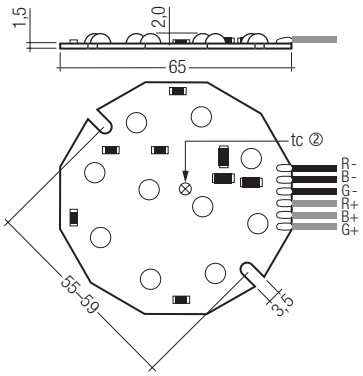
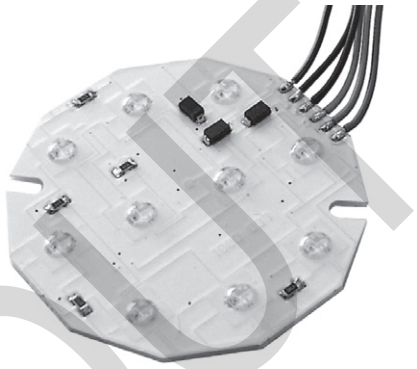
TALEXmodule D001

RoHS





Applications:
- TALEX modules for accenting surfaces and for indicator and orientation lights
- marker lights
- recessed floor luminaires
- signal lights

Highlights:
- simple mounting by pre-assembled adhesive tape
- maximum possible beam angle for uniform illumination (thanks to COB technology)
- low profile
- minimal heat generation

Properties:
- high-power LED in COB technology
- RGB individually controllable
- dimmable by pulse width modulation (PWM) with TridonicAtco control units
- broad 140° light distribution for uniform illumination
- fixing: double sided thermal conductive adhesive tape, pre-mounted; M3 plastic screw
- cooling required ③
- connection method: cable 200 mm
- identification of polarity: + red / – black

Notes:
- reversing the polarity may damage the TALEXmodule!
- different colour temperatures can be produced by selective control of green, red and blue
- none of the components of the TALEXmodule (substrate, LED, electronic components etc.) may be exposed to tensile or compressive stresses
- for further information on installation please refer to the brochure entitled “TALEX installation instructions”

TALEX

type	article number	colour	wavelength nm	light points per module	typ. luminous flux lm ①	voltage V_{DC} ②	current mA	power W ① per colour	power W ① total	ta °C	tc point °C ③	packing unit pieces/carton
		red	619–629		24.0		60	1.45				
D001 RGB 24V	89600115	green	520–535	10 RGB	18.5	24	60	1.45	4.3	-25 → +45	85	20
		blue	460–465		3.5		60	1.45				

all values at ta = 25 °C

① Tolerance range for optical and electrical data: ±15 %

② Exceeding the maximum operating voltage leads to an overload on the TALEXmodule. This may in turn result in a significant reduction in lifetime or even destruction of the TALEXmodule. Tolerance range for the supply voltage: 24 V: +2 V / -0 V

③ If the maximum temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged. The temperature of the TALEXmodule at the tc point in the thermally stable state by means of a temperature sensor or temperature-sensitive sticker (available for example from www.conrad.com, www.rs-components.com) as per EN60598-1. For the precise position of the tc point see the above diagram.

Cooling area in cm² ③
Values for aluminium ≥ 2 mm thick, tc = 75 °C

type	ta 30 °C	ta 45 °C
D001 RGB 24V	72 (7.0 K/W)	144 (3.5 K/W)