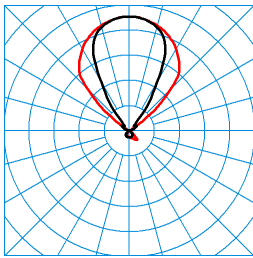

**Product features and key data**

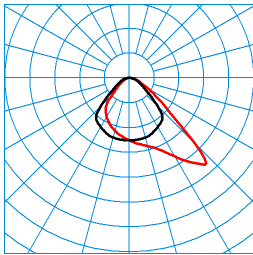
<b>Luminaire type</b>	Innovative desktop luminaire with direct light component for individual workstation illumination and indirect light component for general room lighting.		
<b>Mounting method</b>	Positioning		
<b>Luminaire optic</b>	Triple Glare Control System (TGCS®) for glare-reduced, symmetric distribution indirect component with limited beam angle. With clear, highly scratch-resistant acrylic glass cover.		
<b>LED-System</b>	HCL channel 1	HCL channel 2	HCL MAX
<b>Connected load</b>	56 W	52 W	54 W
<b>Power factor</b>	0,95		
<b>Colour temperature</b>	2.700 K	6.000 K	4.350 K
<b>Rated luminous flux</b>	5.580 lm	5.580 lm	5.580 lm
<b>Luminous efficacy</b>	99 lm/W	107 lm/W	103 lm/W
<b>Interchangeability lightsource</b>	No - Protection against intrus		
<b>Service life</b>	L80 (25 °C) = 50.000 h		
<b>Colour rendering index</b>	80		
<b>Colour tolerance</b>	3 SDCM		
<b>Photobiological class</b>	Group 1 - no risk		
<b>Luminaire colour</b>	RAL9006 White aluminium		
<b>Luminaire body</b>	Luminaire body of die-cast aluminium.		
<b>Electrical version</b>	With electronic control gear unit, dimmable (integrated).		
<b>Connection method</b>	Mains plug		
<b>Dimming range</b>	1 - 100 %		
<b>Mains frequency</b>	50/60 Hz		
<b>Mains voltage</b>	230 - 240 V		
<b>Total harmonic distortion &lt; %</b>	14 %		
<b>Ingress Protection (IP) rating</b>	IP20		
<b>Protection class</b>	II		
<b>Impact resistance (IK)</b>	IK02		
<b>Hot wire resistance</b>	650 °C		
<b>Ambient temperature</b>	25 °C		
<b>Max. Luminaires B10</b>	10		
<b>Max. Luminaires B16</b>	18		
<b>Max. Luminaires C10</b>	18		
<b>Max. Luminaires C16</b>	30		
<b>Net length</b>	470 mm		
<b>Net width</b>	240 mm		
<b>Net height</b>	510 mm		
<b>Weight</b>	4,2 kg		

**light distribution curve**



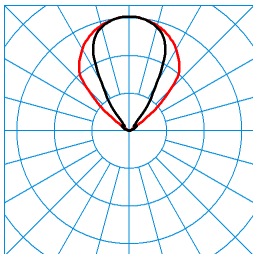
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**TX369948** ■ C0 - C180  
■ C90 - C270

DIN 5040: D54  
UTE: 0,10 D + 0,90 T  
CEN Flux Code: 59 89 98 10 100 82 96 100 90



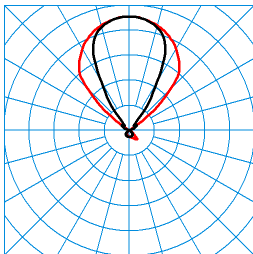
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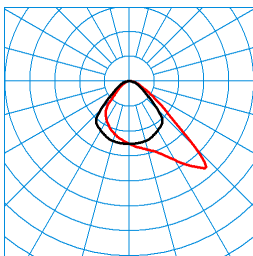
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**TX369833** ■ C0 - C180  
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DIN 5040: E04  
UTE: 0,00 J + 1,00 T  
CEN Flux Code: 0 0 0 0 100 82 96 100 100



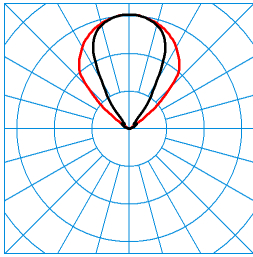
**Bicult Act T G2 SMC TGCS 55 ETDI QI 03EU (ACTCCW)**  
**TX369839** ■ C0 - C180  
■ C90 - C270

DIN 5040: D54  
UTE: 0,10 D + 0,90 T  
CEN Flux Code: 59 89 98 10 100 82 96 100 90



**Bicult Act T G2 SMC TGCS 55 ETDI QI 03EU (ACTDCW)**  
**TX369835** ■ C0 - C180  
■ C90 - C270

DIN 5040: A50  
UTE: 1,00 D  
CEN Flux Code: 59 89 98 100 100 0 0 0 0



**Bicult Act T G2 SMC TGCS 55 ETDI QI 03EU (ACTICW)  
TX369981**

■ C0 - C180  
■ C90 - C270

DIN 5040: E04  
UTE: 0,00 J + 1,00 T  
CEN Flux Code: 0 0 0 0 100 82 96 100 100

### Offer text

Innovative desktop luminaire with direct light component for individual workstation illumination and indirect light component for general room lighting. With integrated light management for the synchronous daytime- and seasonally dependent control of light colour (circadian control) of both light emission surfaces. With the integrated Smart-Connect function, up to 20 luminaires can be grouped together and controlled as one luminaire group. Operating the lighting functions is implemented manually via 3 operating elements and via Smartphone app. Especially suitable for equipping modern office environments and specifically for open space applications as well as open communication zones as a desktop luminaire for all types of fixed and height-adjustable desks, meeting tables and work tables. For lighting as part of home office applications oriented to requirements and compliant to occupational safety regulations. Also suitable for work areas with low levels of daylight supply. Triple Glare Control System (TGCS®) for glare-reduced, symmetric distribution indirect component with limited beam angle. With clear, highly scratch-resistant acrylic glass cover. Direct component with asymmetric wide light distribution with settable beam direction for optimum focusing of light on the workstation. With CDP cover. The following information on luminaire luminous flux and power consumption of the system refer to operation of this luminaire with dynamic, settable light colour (HCL) in warm white light colour (2700 K) operating mode. Luminaire luminous flux 5580 lm, connected load 56,00 W, luminous efficiency of luminaire 99 lm/W. Division of luminaire luminous flux into indirect/direct components 90% / 10 %. Light colour variable (warm white - daylight white), correlated colour temperature (CCT) variable (2700 K - 6000 K), general colour rendering index (CRI)  $R_a > 80$ . Colour locus tolerance (initial MacAdam)  $\leq 3$  SDCM, Mean rated service life  $L80(t_q 25^\circ\text{C}) = 50,000$  h. Luminaire body of die-cast aluminium. Surface powder-coated with smooth finish, colour silver-grey (RAL 9006). Chromed operating elements. Dimensions of luminaire head 320 mm x 240 mm, Dimensions of luminaire base 240 mm x 180 mm, Luminaire height (continuously adjustable) 500 mm - 650 mm. Safety class (EN 61140): II, protection rating (DIN EN 60529): IP20, impact resistance level in accordance with IEC 62262: IK02, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. Weight: 4,2 kg. Power adapter with connection cable (3000 mm). With euro connection plug (Typ C, EN 50075). With electronic control gear unit, dimmable (integrated). The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). With charging surface for wireless, inductive charging of suitable mobile communication devices. Charging current up to 1500 mA. With integrated control unit for the synchronous daytime-based and seasonally dependent control of light colour (circadian control) of both light emission surfaces. The luminous flux can be switched and dimmed separately for both light emissions. With Smart Connect equipment for combination with a LiveLink Lightgrid Controller. The luminaire features an integrated daylight- and HF presence sensor with motion direction detection. Smart Connect versions of desktop luminaires in a room can be connected via Bluetooth to form an interactive group of luminaires. The initial detection of movement by any luminaire within the group causes all group devices to switch on at basic lighting level (approx. 300 lx, indirect component). Subsequent detection in the close range of a luminaire triggers this into workplace mode by switching on of the direct component. Within the luminaire group, the light colour and HCL curve of the indirect component are harmonised. Parameterisation of the Smart Connect functions is password-protected using a smartphone and an app. Communication between the connected luminaires and the smartphone is via Bluetooth Low Energy v 5.0. The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol.