BEGA

50 792.4

Large-area ceiling luminaire for indoor use

Project · Reference number	Date

Product data sheet

Application
Large-area LED ceiling luminaire · indoor luminaire with high light power, high uniform light distribution and adjustable colour temperature (Tunable White). With metal luminaire shield for shielded light deflectetd downwards.

Product description
Large-area LED luminaire »STUDIO LINE«
Aluminium housing shield,
velvet black enamel finish,
Inside hue matt brass
Metal luminaire mounting plate,
finish white enamel
Light-diffusing synthetic luminaire cover
Silicone gasket
Mounting round plate with 3 fixing holes,
Angle 120° · pitch circle ø 840 mm
and with 3 fixing holes, ø 10 mm on pitch circle ø 790 mm
Connecting terminals 2.5$^\square$ · Plug system
Earth conductor terminal
LED power supply unit
220-240 V $\sim$ 0/50-60 Hz
DC 176-280 V
DC Start ≥ 190 V
DALI controllable (Device Type 8 for Tunable White according to IEC 62386-209)
A basic isolation exists between power cable and control line
BEGA Thermal Switch®
Temporary thermal shutdown to protect temperature-sensitive components
Safety class I
Impact strength IK10
Protection against mechanical impacts < 20 joule
CE – Conformity mark
Weight: 34.7 kg

Inrush current
Inrush current: 73 A / 189 μs
Maximum number of luminaires of this type per miniature circuit breaker:
B 10 A: 5 luminaires
B 16 A: 9 luminaires
C 10 A: 9 luminaires
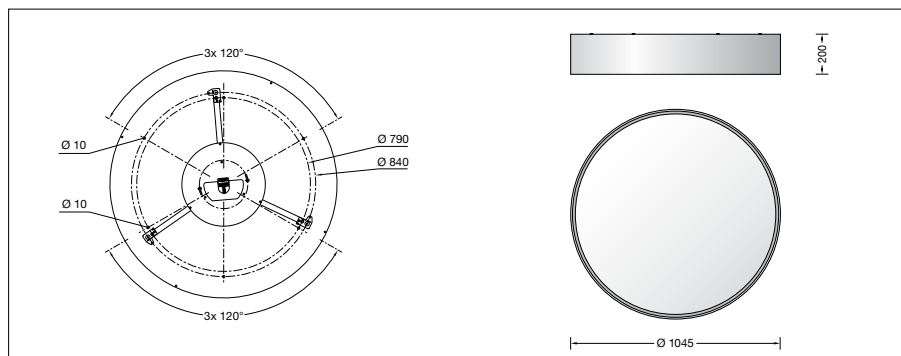C 16 A: 15 luminaires

Lamp
Module connected wattage	100 W
Luminaire connected wattage	114 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a\,max} = 50$ °C

Module designation	4 x LED-0714/9TW
Colour temperature	adjust. 2700 - 6500 K
Colour rendering index	$R_a > 90$
Module luminous flux	15740 lm
Luminaire luminous flux	11379 lm
Luminaire luminous efficiency	99,8 lm/W

Setting the colour temperature
The LED colour temperature of the luminaire can be set from 2700 to 6500 K ("Tunable White"). Please note: To be able to set the LED colour temperature, the controller used must support DALI Device Type 8. If no LED colour temperature setting is made, 3000 K will be used by default.

Service life · Ambient temperature
Rated temperature $t_a = 25$ °C
LED psu:	> 50,000 h
LED module:	> 200,000 h (L80 B50)
	50,000 h (L90 B50)

Ambient temperature $t_{a\,max} = 50$ °C (100 %)
LED psu:	50,000 h
LED module:	100,000 h (L80 B50)
	50,000 h (L90 B50)

Light technique
Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and indoor lighting as well as luminaire data in EULUMDAT- and IES-format you will find on the BEGA web page www.bega.com.

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Interior colour options
• white	Code number **.1**
• matt aluminium	Code number **.2**
• matt brass	Code number **.4**
• matt copper	Code number **.6**