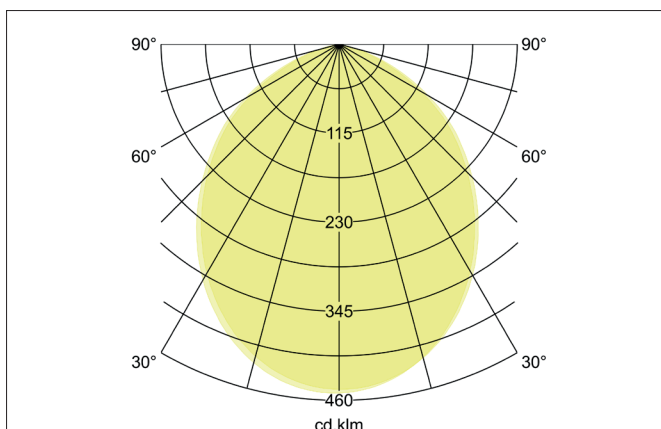
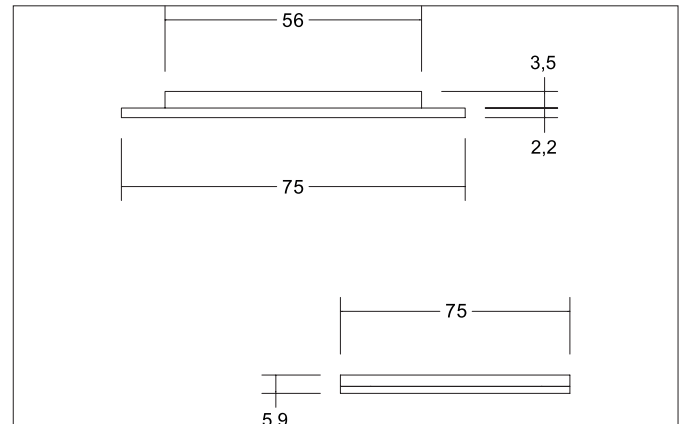


**X-FLAT-R LED recessed / surface-mounted downlight**

Article no. 12164083


**Tender**

Round LED recessed / surface-mounted downlight, incl. optional surface-mounted housing, ceiling cut-out Ø 56 mm, installation depth 3.5 mm, outer diameter 75 mm, weight 0.062 kg, with rotationally symmetrical narrow-wide beam light distribution. Cover plastic opal, rated luminous flux 185 lm, rated wattage 1 x 2.6 W, light color warm white, most similar color temperature (CCT) 3,000 K, general color rendering index CRI 81, service life L70/B50 at 25 °C: 30,000 h, housing material: aluminum / steel / plastic, color: black, permissible ambient temperature (ta): -20 °C - +25 °C, protection class (EN 61140): III, degree of protection (DIN EN 60529): IP20. For connection to an external control gear, which is not included with the luminaire. Dimmable depending on the control gear.

**X-FLAT-R LED recessed / surface-mounted downlight**

Article no. 12164083

Article data	
Article no.	12164083
GTIN	4251433927181
Series name	X-FLAT-R
Short description	LED recessed / surface-mounted downlight
Material	Aluminium / Steel / Plastic
Colour	Black
Type of surface	Matt
Shape	Round
Outer diameter	75 mm
Built-in diameter min.	56 mm
Built-in diameter	56 mm
Installation depth	3.5 mm
Hight	5.9 mm
Scope of delivery	Including 2,000 mm connecting cable
Weight	0.062 kg
stamp	MM
Conformance	CE, UKCA

Lighting technology	
Colour temperature	3.000 K
Light output	Direct
Luminous flux	185 lm
System efficiency	71 lm/W
Colour rendering	CRI 81
Reflector	Without
Beam angle	120°
Light sharing	Symmetric
Adjustable color temperature	No

Operating technology of the luminaire	
Voltage type	DC
DC nominal voltage max	12 V
Lamp	LED
Protection class	III
Degree of protection	IP20
Dimmable	Depending on type of control gear
Control	Depending on driver
Bulb change possible	The light source of this luminaire may only be replaced by the manufacturer or a service technician commissioned by him or a similarly qualified person.
Rated life time L70/B50 at 25 °C	30,000 h
Energy efficiency class	nicht erforderlich

Mounting technology	
Mounting method	Recessed mounting
Place of installation	Ceiling-mounted
Adjustability	Not adjustable
Further references	No cover with thermal insulation material
Material cover	Plastic, opal

**X-FLAT-R LED recessed / surface-mounted downlight**

Article no. 12164083

Packing data	
Gross weight	0.079 kg
Length of packaging	70 mm
Packaging width	47 mm
Packaging height	81 mm
Disposal at end of life	<p>This product must not be disposed of with household waste. You are obliged, to dispose of such electrical waste separately.</p> <p>By disposing of electrical waste and other old or defective electronics separately, you support recycling or other forms of re-use. In that way you help to take care and to avoid that harmful substances get into the environment.</p>

Required accessories	
Article no.: 17106000 LED power supply 12 V DC, on/off switchable Power: 1 - 15 W Dimensions: 105 mm x 49 mm x 18 mm <a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17106000_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17106000_2021_DE.pdf</a>	
Article no.: 17110000 LED power supply 12 V DC, on/off switchable Power: 1 - 30 W Dimensions: 185 mm x 48 mm x 20 mm <a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17110000_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17110000_2021_DE.pdf</a>	
Article no.: 17107000 6-way distributor 12 V DC for 17106/17110 Leistung: 30 W  <a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17107000_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17107000_2021_DE.pdf</a>	
Article no.: 17108000 Extension cable 12 V DC for 17106/17110/17107   <a href="https://www.brumberg.com/fileadmin/products/Datenblatt_17108000_2021_DE.pdf">https://www.brumberg.com/fileadmin/products/Datenblatt_17108000_2021_DE.pdf</a>	