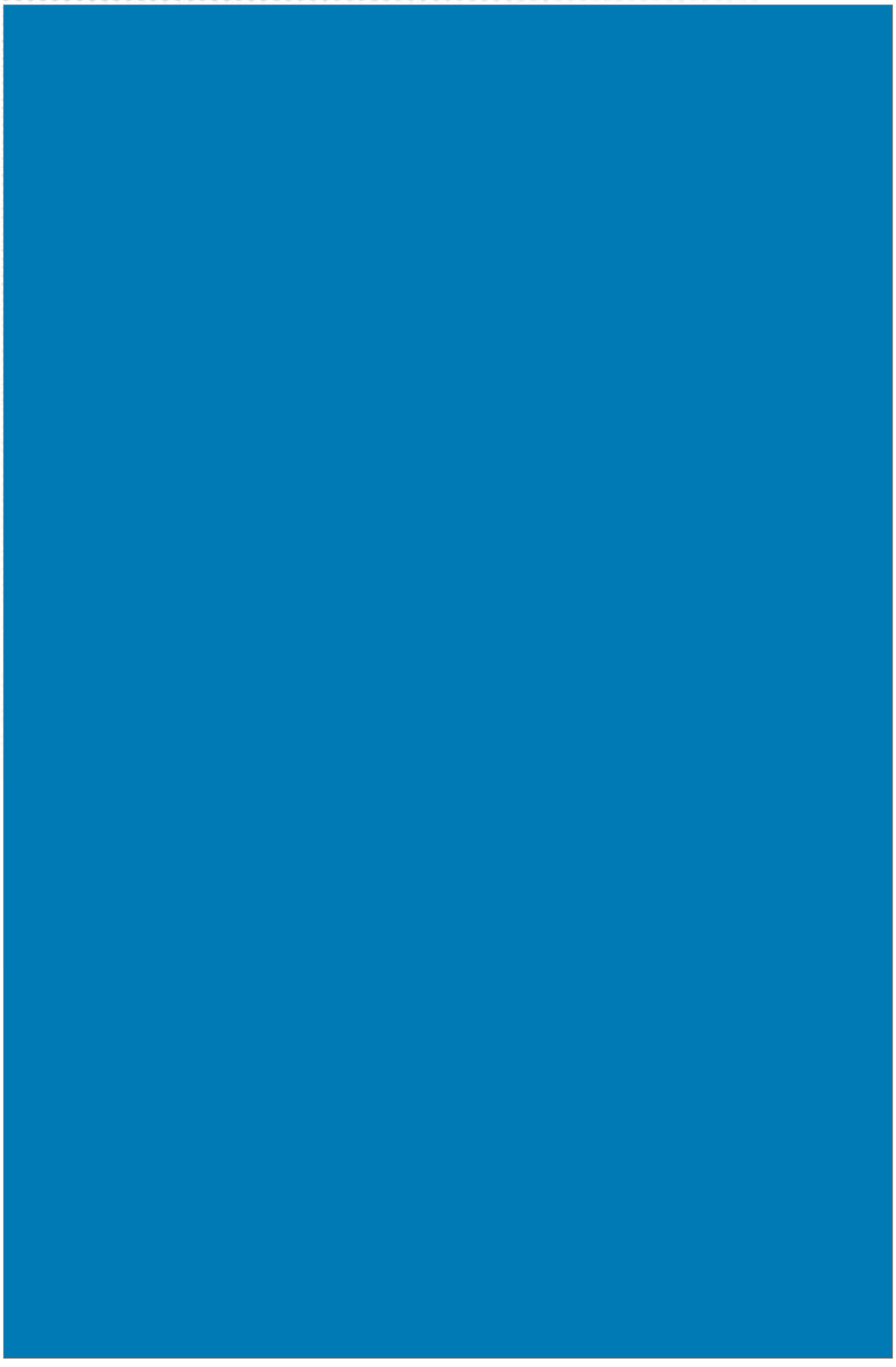
LED - Lighting and connection technology

LED

BJB
Your Connection to Light



LED - Lighting and connection technology
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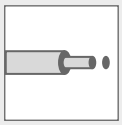
All articles in this catalogue have been designed according to the appropriate national and international standards (VDE / IEC).
The choice of product and correct technical embodiment is the sole responsibility of the user.
Exact information can be obtained upon request. We reserve the right to modify products.

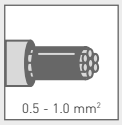
Explanation of the symbols shown on the product pages.

T 110

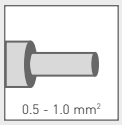
Temperature rating T 110
The maximum operating temperature is given by a T marking. This is the maximum operating temperature for which the product is designed.



Single push wire terminals



For tinned wire ends within the cross sectional range stated
(In this example 0.5 - 1.0 mm²)
When regulations deviate from IEC, other cross sections are possible (e. g. UL / CSA: cable 18 AWG).



For solid conductors within the cross sectional range stated
(In this example 0.5 - 1.0 mm²)
When regulations deviate from IEC, other cross sections are possible (e. g. UL / CSA: cable 18 AWG).

2A
60VDC

Rating
Indication of rated values.

CAD

CAD-Data in 2D or 3D format available

i
[06] ...

Additional information
Further information about the products shown on this page can be found on the pages shown within this symbol.

Connecting pieces for LED STARboards - General information

BJB connecting pieces for LED STARboards - Advantages at a glance:

· Solder free contacting of the LED - no lifespan reduction due to thermal impact on LED
· Simple exchange of the LED
· Simple adaptation of lenses - previously: glued, now: clipped
· Fixing of LED
· Compatible with LEDs which can be placed on STARboards, such as OSRAM, Philips Lumileds and Seoul Semiconductor

Assembly of the system:

Screw fixing
for 2 screws M3 or self-tapping screws up to ø 3 mm with locking washer

Connecting piece
Version depends on planned LED

STARboard with LED
Care is required with positioning / polarity of connecting piece onto STARboard !

Lenses with different beam angles
Snap in fixing

Lens holder
Snap in fixing

Single push wire terminals
for conductors 0.5 mm², solid or flexible tinned wire ends

Insulation strip length: 6^{+1} mm

Patent pending

Sources for lenses and LEDs:

carclo technical plastics

www.carclo-optics.com

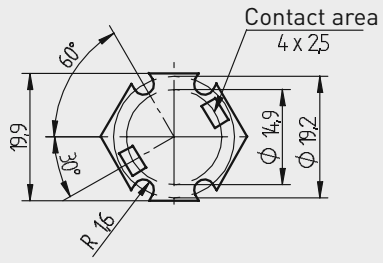
FUTURE Lighting Solutions
Source for Philips Lumileds

www.futurelightingsolutions.com

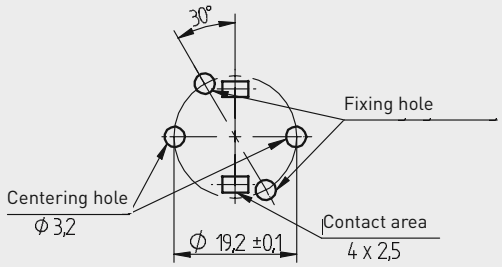
OSRAM Opto Semiconductors

www.osram.com
www.osram-os.com

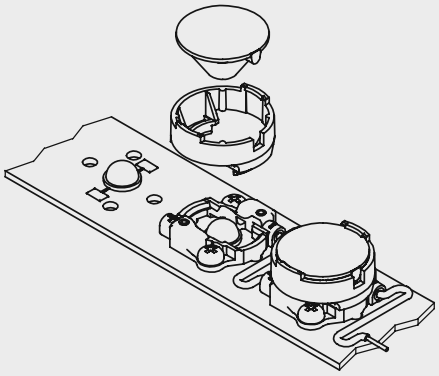
Dimensions of STARboard



Cut out



Example of application



Identification of connecting pieces

To make identification of relevant part easier each will be marked with a 2 digit code.

Test ports

For efficient final testing after assembly of LED, connecting pieces are equipped with two test ports for top testing with an adaptor.

OSRAM OSTAR	OSRAM DRAGON-X120°	Seoul Semiconductor Z-Power P4	Edison EdiPower	
				
47.313.1000.80 	**47.313.**1101.80 	**47.313.**5001.80 	**47.313.**1000.80 	
Due to a wide area of illumination an application of lenses with ø 20 mm is not possible !	**47.313.**-320.. 	**47.313.**-320.. 	Due to a wide area of illumination an application of lenses with ø 20 mm is not possible !	
	Carclo Optics ø 20 mm Plain Tight, 5.4° No. 10193	**Carclo Optics** ø 20 mm Plain Tight,10.5° No. 10003		
	ø 20 mm Frosted Narrow, 10° No. 10194	ø 20 mm Frosted Tight, 15.4° No. 10138		
	ø 20 mm Frosted Medium, 19° No. 10195	ø 20 mm Frosted Medium, 23.8° No. 10139		
	ø 20 mm Frosted Wide, 32° No. 10196	ø 20 mm Frosted Wide, 42.7° No. 10140		
	ø 20 mm Elliptical, 39 x 7.8° No. 10197	ø 20 mm Elliptical, 44 x 15° No. 10003 / L25		

Philips Lumileds LUXEON® I	Philips Lumileds LUXEON® III	Philips Lumileds LUXEON® V	Philips Lumileds LUXEON® K2	Philips Lumileds LUXEON® Rebel *
				
47.313.2101.80 	**47.313.**2201.80 	**47.313.**2201.80 	**47.313.**2301.80 	**47.313.**2401.80 
47.313.-320.. 	**47.313.**-320.. 	**47.313.**-320.. 	**47.313.**-320.. 	**47.313.**-320.. 
Carclo Optics ø 20 mm Plain Tight, 8° No. 10003	**Carclo Optics** ø 20 mm Plain Tight, 6.9° No. 10003	**Carclo Optics** ø 20 mm Plain Tight, 17° No. 10003	**Carclo Optics** ø 20 mm Plain Tight, 7.9° No. 10003	**Carclo Optics** ø 20 mm Plain Tight, 8.7° No. 10193
ø 20 mm Frosted Tight, 12° No. 10138	ø 20 mm Frosted Tight, 14° No. 10138	ø 20 mm Frosted Tight, 19° No. 10138	ø 20 mm Frosted Tight, 15° No. 10138	ø 20 mm Frosted Tight, 12° No. 10194
ø 20 mm Frosted Medium, 22° No. 10139	ø 20 mm Frosted Medium, 20° No. 10139	ø 20 mm Frosted Medium, 25° No. 10139	ø 20 mm Frosted Medium, 20° No. 10139	ø 20 mm Frosted Medium, 19° No. 10195
ø 20 mm Frosted Wide, 35° No. 10140	ø 20 mm Frosted Wide, 35° No. 10140	ø 20 mm Frosted Wide, 42° No. 10140	ø 20 mm Frosted Wide, 43° No. 10140	ø 20 mm Frosted Wide, 35° No. 10196
ø 20 mm Elliptical, 40 x 11° No. 10003/L25	ø 20 mm Elliptical, 40 x 11° No. 10003/L25	ø 20 mm Elliptical, 39 x 19° No. 10003/L25	ø 20 mm Elliptical, 39 x 10° No. 10003/L25	ø 20 mm Elliptical, 40 x 9.5° No. 10197

*** alternatively star PCB of Drees Lichttechnik (www.drees-lichttechnik.eu)**