

All in one... our LED Spotlight connectors



LED - light- and connection technology

LED-C-LINE

Spotlight connectors for COBs from **TRIDONIC**

With integrated reflector interface



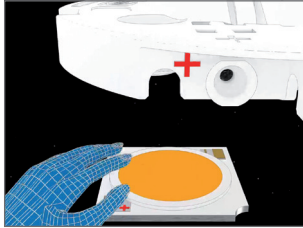
Technology for Light

Components · Optics · Automation

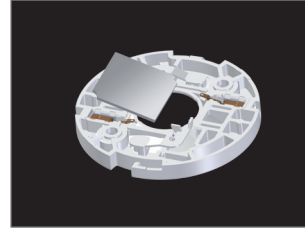
The Advantages at a glance

- Compatible to standardised spotlight moduls as to hole pattern and external diameter
- Serviceable – easy exchange of LED board
- High light efficiency by the use of high reflective material
- Two defined reflector interfaces for metal or plastic reflectors
- 3 Formfaktors with 35, 40 and 50 mm dia.
- Optimized COB press force

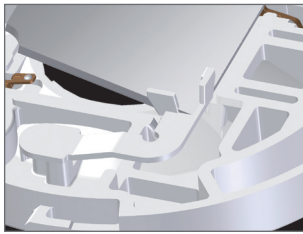
COB assembly made easy



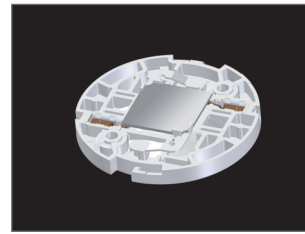
Inverse-polarity protection
The polarity is clearly visible from the outside, even when the COB is inserted



Pre-centring:
Slide the COB...



Pre-centering (47.319) :
...between the flexible COB holders.



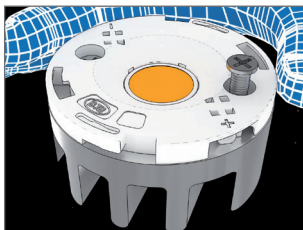
Secure Fixation
The COBs are securely held in place during the assembly process



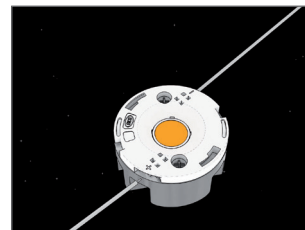
Pre-centering (47.360):
...via leaf spring contact.



Secure Fixation
The COBs are securely held in place during the assembly process



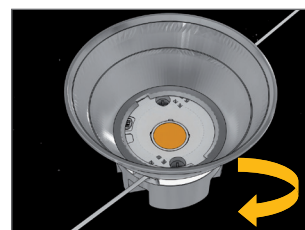
Zhaga hole pattern
Fixation via standard screws and locking washers



Solder free connection
Using push wire terminals. Wiring can be arranged to one (47.319) or to two sides (47.360).







Internal reflector interface
For plastic and metal reflectors









Insert, Twist, Done
Simple fixation via Twist & Lock







Overview of different prefixation types

Light source	Connector	Features
SLE G6 LES 10 (13.5 x 13.5 mm)	Ø 35 mm BJB 47.360.1020	COB holders, 0.5 mm ² 
	Ø 40 mm BJB 47.319.6060	Fixing elements, 0.5 mm ² 
	Ø 40 mm BJB 47.319.6294	COB holders, 0.5 mm ² 
	Ø 40 mm BJB 47.319.6295	COB holders, 0.75 mm ² 

Overview of different prefixation types

Light source	Connector	Features
SLE G6 LES 15, 17 (19 x 19 mm)	Ø 35 mm BJB 47.360.1010	COB holders, 0.5 mm ² 
	Ø 40 mm BJB 47.319.6024	COB holders, 0.5 mm ² 
	Ø 50 mm BJB 47.319.2021	Positioning window, 0.5 mm ² 
	Ø 50 mm BJB 47.319.2023	Positioning window, 0.75 mm ² 
	Ø 50 mm BJB 47.319.2025	COB holders, 0.5 mm ² 
	Ø 50 mm BJB 47.319.2026	COB holders, 0.5 mm ² 

Overview of different prefixation types

Light source	Connector	Features
SLE G1 LES 11, 15 (19 x 19 mm)	Ø 35 mm BJB 47.360.1010	COB holders, 0.5 mm ² 
	Ø 40 mm BJB 47.319.6024	COB holders, 0.5 mm ² 
	Ø 50 mm BJB 47.319.2021	Positioning window, 0.5 mm ² 
	Ø 50 mm BJB 47.319.2023	Positioning window, 0.75 mm ² 
	Ø 50 mm BJB 47.319.2025	COB holders, 0.5 mm ² 
	Ø 50 mm BJB 47.319.2026	COB holders, 0.5 mm ² 
SLE G6 LES 19, 23 (31 x 31 mm)	---	---

			pkg.	wt.	part no.
			504	3 g	47.319.6060.50

With integrated reflector interface
Easy pre-assembly by LED fixing lugs
 Connector for COBs G6 LES10 from Tridonic
 Screw fixing
 Housing: PBT
 Contacts: CuSn
 Rating: 3A / 150 VDC

Approval: additional cULus

- Screw fixing: for screws M3 and locking washer
- Max. torque for screw fixing 0.5 Nm
- Strip length: 7-1 mm
- Polarity of LED must be observed
- Specifications of LED manufacturer must be observed
- VDE-Reg. No. E289

LED-LINE	T 110				0.5 mm ²	0.5 mm ²	CAD	i	12
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			pkg.	wt.	part no.
			420	3 g	47.319.6024.50

With integrated reflector interface
Easy pre-assembly by LED fixing lugs
 Connector for COBs SLE G4/G5/G6 LES15 and LES17 from Tridonic
 Screw fixing
 Housing: PBT
 Contacts: CuSn
 Rating: 3A / 150 VDC

Approval: additional cULus

- Screw fixing: for screws M3 and locking washer
- Max. torque for screw fixing 0.5 Nm
- Strip length: 7-1 mm
- Polarity of LED must be observed
- Specifications of LED manufacturer must be observed
- VDE-Reg. No. E289

LED-LINE	T 110				0.5 mm ²	0.5 mm ²	CAD	i	12
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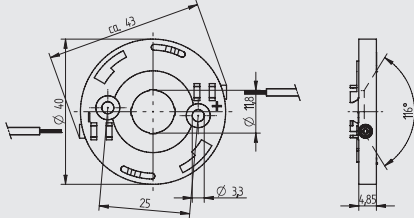
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With integrated reflector interface
Easy pre-assembly by LED fixing lugs
 Connector for COBs SLE G4/G5/G6 LES15 and LES17 from Tridonic
 Screw fixing
 Housing: PBT
 Contacts: CuSn
 Rating: 3A / 150 VDC

Approval: additional cULus

- Screw fixing: for screws M3 and locking washer
- Max. torque for screw fixing 0.5 Nm
- Strip length: 7-1 mm
- Polarity of LED must be observed
- Specifications of LED manufacturer must be observed
- VDE-Reg. No. E289

LED-LINE	T 110				0.75 mm ²	0.75 mm ²	CAD	i	12
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pkg. 420 wt. 5 g part no. **47.319.6294.50**

With integrated reflector interface
Easy pre-assembly by LED fixing lugs
Connector for COBs G6 LES10 from Tridonic
Screw fixing
Housing: PBT
Contacts: CuSn
Rating: 3A / 150 VDC (VDE)

- Screw fixing: for screws M3 and locking washer
- Max. torque for screw fixing 0.5 Nm
- Strip length: 7-1 mm
- Polarity of LED must be observed
- Specifications of LED manufacturer must be observed
- VDE-Reg. No. E289

LED-LINE

T 110


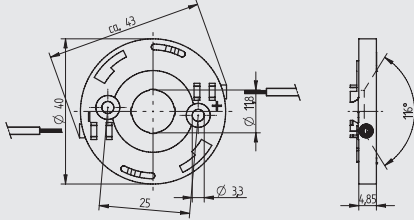
0.5 mm²

0.5 mm²

CAD

i

12




pkg. 420 wt. 5 g part no. **47.319.6295.50**

With integrated reflector interface
Easy pre-assembly by LED fixing lugs
Connector for COBs G6 LES10 from Tridonic
Screw fixing
Housing: PBT
Contacts: CuSn
Rating: 3A / 150 VDC (VDE)

- Screw fixing: for screws M3 and locking washer
- Max. torque for screw fixing 0.5 Nm
- Strip length: 7-1 mm
- Polarity of LED must be observed
- Specifications of LED manufacturer must be observed
- VDE-Reg. No. E289

LED-LINE

T 110


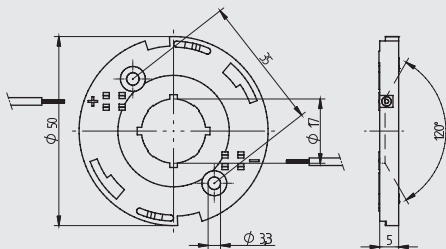
0.75 mm²

0.75 mm²

CAD

i

12




pkg. 504 wt. 5 g part no. **47.319.2021.50**

With integrated reflector interface
Easy assembly by vision panels
Connector for COBs SLE G4/G5/G6 LES15 and LES17 from Tridonic
Screw fixing
Housing: PBT
Contacts: CuSn
Rating: 3A / 150 VDC
Approval: additional cULus

- Screw fixing: for screws M3 and locking washer
- Max. torque for screw fixing 0.5 Nm
- Strip length: 7-1 mm
- Polarity of LED must be observed
- Specifications of LED manufacturer must be observed
- VDE-Reg. No. E289

LED-LINE

T 110

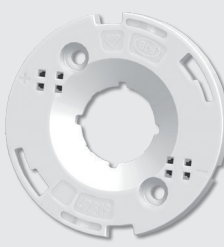
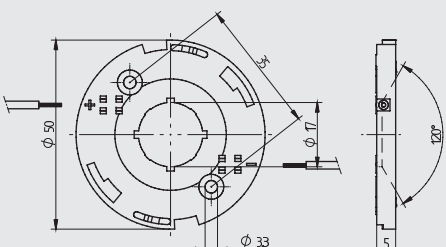
0.5 mm²

0.5 mm²

CAD

i

12

pkg. wt. part no.
504 5 g **47.319.2023.50**

With integrated reflector interface
Easy assembly by vision panels
Connector for COBs SLE G4/G5/G6 LES15 and LES17 from Tridonic
Screw fixing
Housing: PBT
Contacts: CuSn
Rating: 3A / 150 VDC
Approval: additional cULus

- Screw fixing: for screws M3 and locking washer
- Max. torque for screw fixing 0.5 Nm
- Strip length: 7-1 mm
- Polarity of LED must be observed
- Specifications of LED manufacturer must be observed
- VDE-Reg. No. E289

LED-LINE

T 110

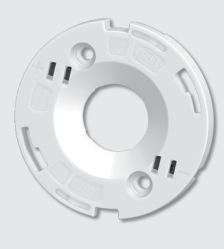
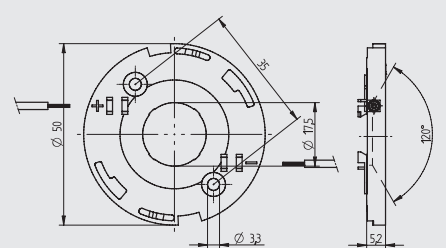
0.75 mm²

0.75 mm²

CAD

i

12

pkg. wt. part no.
420 5 g **47.319.2025.50**

With integrated reflector interface
Easy pre-assembly by LED fixing lugs
Connector for COBs SLE G4/G5/G6 LES15 and LES17 from Tridonic
Screw fixing
Housing: PBT
Contacts: CuSn
Rating: 3A / 150 VDC
Approval: additional cULus

- Screw fixing: for screws M3 and locking washer
- Max. torque for screw fixing 0.5 Nm
- Strip length: 7-1 mm
- Polarity of LED must be observed
- Specifications of LED manufacturer must be observed
- VDE-Reg. No. E289

LED-LINE

T 110

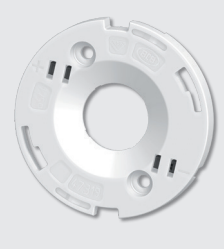
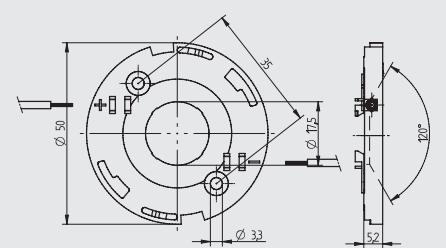
0.5 mm²

0.5 mm²

CAD

i

12

pkg. wt. part no.
420 5 g **47.319.2026.50**

With integrated reflector interface
Easy pre-assembly by LED fixing lugs
Connector for COBs SLE G4/G5/G6 LES15 and LES17 from Tridonic
Screw fixing
Housing: PBT
Contacts: CuSn
Rating: 3A / 150 VDC
Approval: additional cULus

- Screw fixing: for screws M3 and locking washer
- Max. torque for screw fixing 0.5 Nm
- Strip length: 7-1 mm
- Polarity of LED must be observed
- Specifications of LED manufacturer must be observed
- VDE-Reg. No. E289

LED-LINE

T 110

0.75 mm²

0.75 mm²

CAD

i

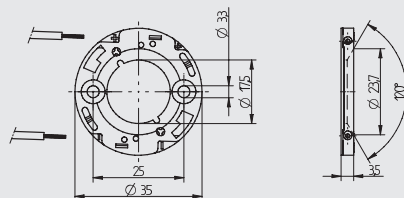
12

LED - Lighting and connection technology

Spotlight connectors for COB LED modules from Tridonic



pkg. wt. part no.
504 5 g **47.319.2023.50**



With integrated reflector interface

Easy assembly by vision panels

Connector for COBs SLE G1 LES 11 and SLE G1 LES 15mm and G4/G5/G6 LES15 and SLE G6 LES17 from Tridonic

Screw fixing




Housing: PBT

Contacts: CuSn

Rating: 3A / 150 VDC

Approval: additional cULus

- Screw fixing: for screws M3 and locking washer
- Max. torque for screw fixing 0.5 Nm
- Strip length: 7-1 mm
- Polarity of LED must be observed
- Specifications of LED manufacturer must be observed
- VDE-Reg. No. E289

LED-LINE	T 110				CAD	i
		0.35-0.5 mm ²	0.35-0.5 mm ²			12

pkg.	wt.	part no.
150	8 g	47.940.-311.56

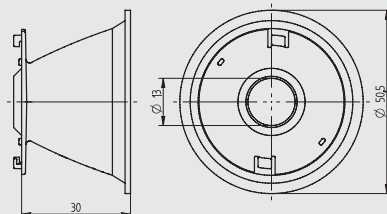
Reflector

For use with Spotlight connectors 47.319.6060, 47.319.6101, 47.319.6200 and 47.319.6180

Reflector: PC

Beam angle characteristic: Flood

- Reflector can only be used by screw fixing the spotlight connector with dome headed screws and locking washer



CAD i
12

pkg.	wt.	part no.
150	8 g	47.940.-312.56

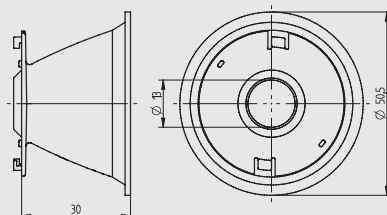
Reflector

For use with Spotlight connectors 47.319.6060, 47.319.6101, 47.319.6200 and 47.319.6180

Reflector: PC

Beam angle characteristic: Medium

- Reflector can only be used by screw fixing the spotlight connector with dome headed screws and locking washer



CAD i
12

pkg.	wt.	part no.
150	8 g	47.940.-313.56

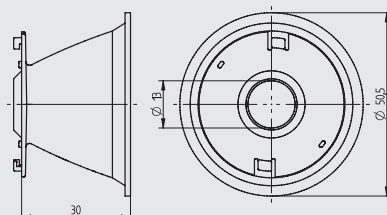
Reflector

For use with Spotlight connectors 47.319.6060, 47.319.6101, 47.319.6200 and 47.319.6180

Reflector: PC

Beam angle characteristic: Spot

- Reflector can only be used by screw fixing the spotlight connector with dome headed screws and locking washer




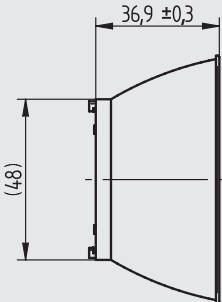
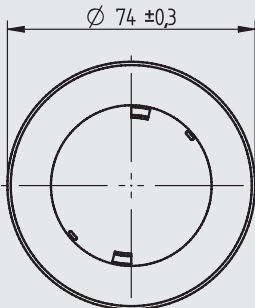
CAD i
12

LED - Lighting and connection technology

47.950

Reflectors for Spotlight connector series 47.319.2xxx




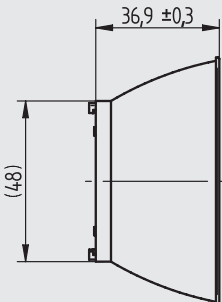
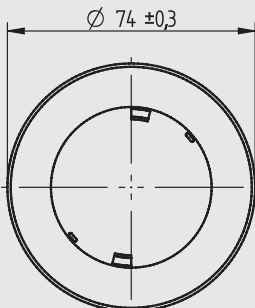
			pkg.	wt.	part no.
			160	8 g	47.950.-301.56

Reflector
For use with Spotlight connectors 47.319.2xxx
Reflector: PC

Beam angle characteristic: Spot

- Reflector can only be used by screw fixing the spotlight connector with dome headed screws and locking washer

CAD i
12


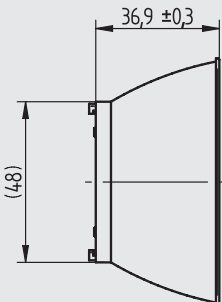
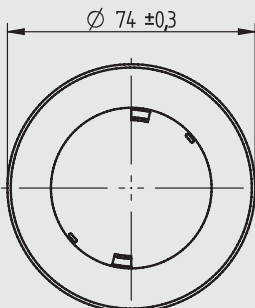
			pkg.	wt.	part no.
			160	8 g	47.950.-302.56

Reflector
For use with Spotlight connectors 47.319.2xxx
Reflector: PC

Beam angle characteristic: Medium

- Reflector can only be used by screw fixing the spotlight connector with dome headed screws and locking washer

CAD i
12

			pkg.	wt.	part no.
			160	10 g	47.950.-303.56

Reflector
For use with Spotlight connectors 47.319.2xxx
Reflector: PC

Beam angle characteristic: Flood

- Reflector can only be used by screw fixing the spotlight connector with dome headed screws and locking washer


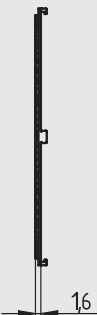
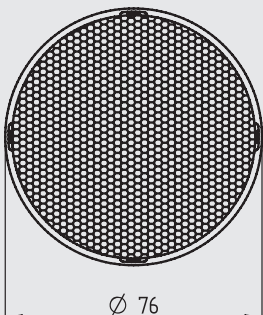
CAD i
12

LED - Lighting and connection technology

47.950

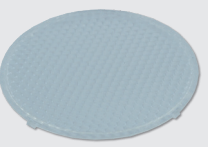

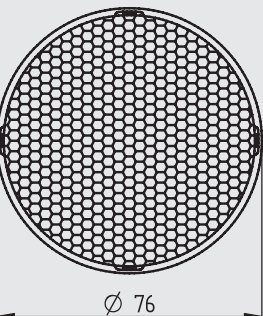
Diffusors for reflectors 47.950.-30x



  	pkg.	wt.	part no.
	1	3 g	47.950.-401.85

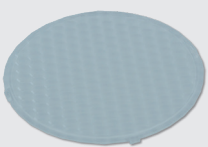

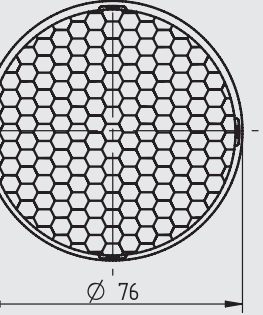
Diffusor plate L2
For use with reflectors 47.950.-30x with Ø74 mm
Diffusor plate: PC

CAD i
12

  	pkg.	wt.	part no.
	1	3 g	47.950.-402.85

Diffusor plate L6
For use with reflectors 47.950.-30x with Ø74 mm
Diffusor plate: PC

CAD i
12

  	pkg.	wt.	part no.
	1	3 g	47.950.-403.85

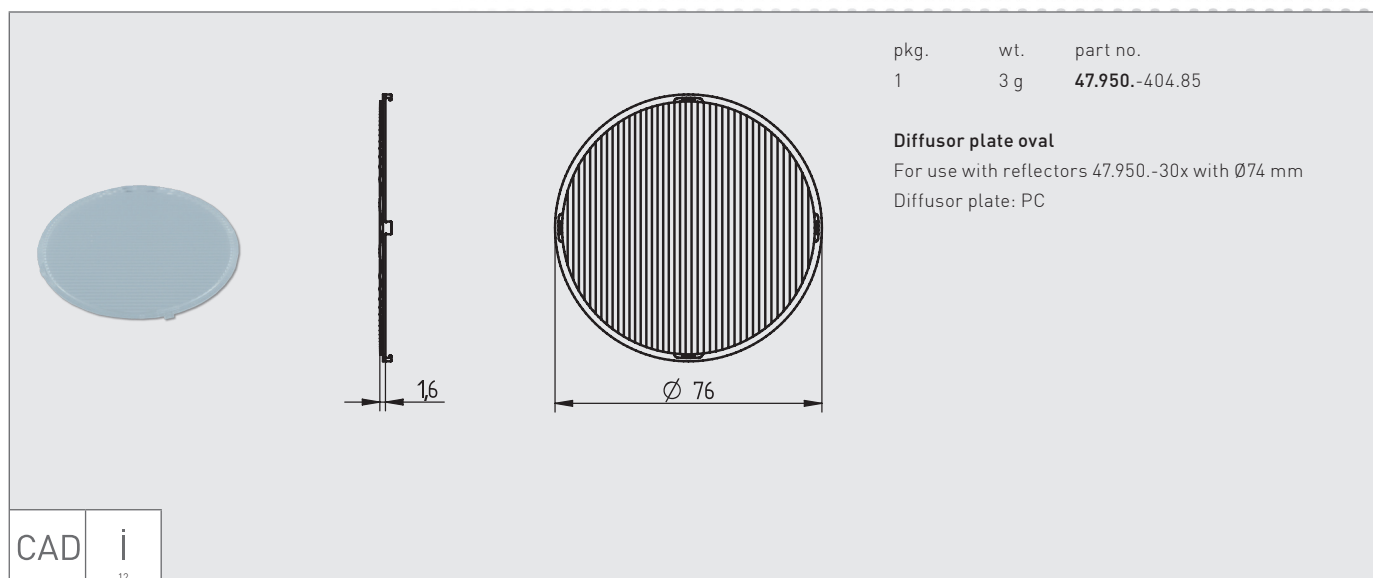
Diffusor plate L12F
For use with reflectors 47.950.-30x with Ø74 mm
Diffusor plate: PC

CAD i
12

LED - Lighting and connection technology

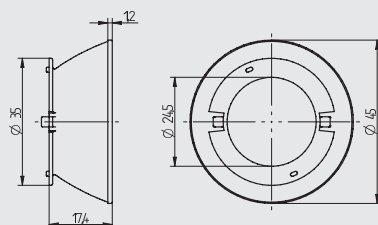
47.950

Diffusors for reflectors 47.950.-30x



LED - Lighting and connection technology

Reflectors for Spotlight connector series 47.360



pkg. wt. part no.
1 7 g **47.935.-301.56**

Reflector

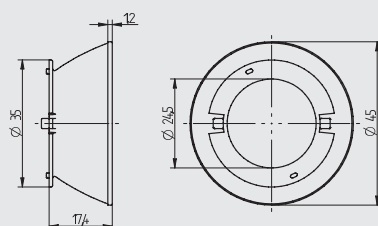
For use with Spotlight connectors 47.319.2xxx

Reflector: PC

Beam angle characteristic: Spot (17°)

- Reflector can only be used by screw fixing the spotlight connector with dome headed screws and locking washer

CAD i
12



pkg. wt. part no.
1 7 g **47.935.-302.56**

Reflector

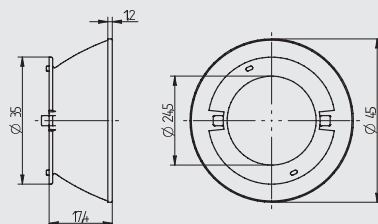
For use with Spotlight connectors 47.360.1xxx

Reflector: PC

Beam angle characteristic: Medium (26°)

- Reflector can only be used by screw fixing the spotlight connector with dome headed screws and locking washer

CAD i
12



pkg. wt. part no.
1 7 g **47.935.-303.56**

Reflector

For use with Spotlight connectors 47.360.1xxx

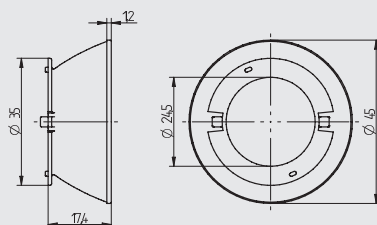
Reflector: PC

Beam angle characteristic: Flood (45°)

- Reflector can only be used by screw fixing the spotlight connector with dome headed screws and locking washer

LED - Lighting and connection technology

Reflectors for Spotlight connector series 47.360



pkg.	wt.	part no.
1	7 g	47.935.-304.56

Reflector

For use with Spotlight connectors 47.360.1xxx

Reflector: PC

Beam angle characteristic: Flood (60°)

- Reflector can only be used by screw fixing the spotlight connector with dome headed screws and locking washer

CAD

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LED - Lighting and connection technology

General information



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.

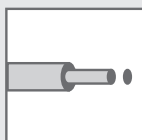


LED connector

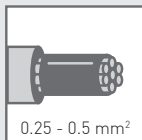


Temperature rating T 110

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

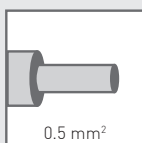


Single push wire terminals



For tinned wire ends within the cross sectional range stated

(In this example 0.25 - 0.5 mm²)
When regulations deviate from IEC, other cross sections are possible (e.g. UL / CSA: cable 18 AWG).

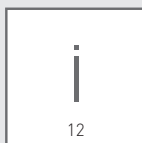


For solid conductors within the cross sectional range stated

(In this example 0.5 mm²)
When regulations deviate from IEC, other cross sections are possible (e. g. UL / CSA: cable 18 AWG).



CAD-Data in 2D or 3D format available



Additional information

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



Technology for Light
Components · Optics · Automation

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