

## ZEICHENGENEHMIGUNG MARKS APPROVAL

BJB GmbH & Co. KG  
Werler Straße 1  
59755 Arnsberg  
Germany

ist berechtigt, für ihr Produkt /  
*is authorized to use for their product*

**LED-Modul**  
**LED module**

die hier abgebildeten markenrechtlich geschützten Zeichen  
für die ab Blatt 2 aufgeführten Typen zu benutzen /  
*the legally protected Marks as shown below for the types referred to on page 2 ff.*



und/oder - and/or



Geprüft und zertifiziert nach /  
*Tested and certified according to*

DIN EN IEC 62031 (VDE 0715-5):2020-08; EN IEC 62031:2020

DIN EN IEC 62031/A11 (VDE 0715-5/A11):2022-07; EN IEC 62031:2020/A11:2021



Aktenzeichen: 14600-4981-0008 / 325678

File ref.:

Ausweis-Nr. 40048083

Blatt 1

Certificate No.

Page

Weitere Bedingungen siehe Rückseite und Folgeblätter /  
*further conditions see overleaf and following pages*

Offenbach, 2018-04-24

(letzte Änderung / updated 2025-03-12 )

VDE Prüf- und Zertifizierungsinstitut GmbH  
VDE Testing and Certification Institute  
Zertifizierungsstelle / Certification

T. Lortz

VDE Zertifikate sind nur gültig bei Veröffentlichung unter:  
VDE certificates are valid only when published on:

<http://www.vde.com/zertifikat>  
<http://www.vde.com/certificate>

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*  
BJB GmbH & Co. KG, Werler Straße 1, 59755 Arnsberg

Aktenzeichen / *File ref.*

14600-4981-0008 / 325678 / TL6 / FN

letzte Änderung / *updated*

2025-03-12

Datum / *Date*

2018-04-24

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40048083.

*This supplement is only valid in conjunction with page 1 of the Certificate No. 40048083.*

## LED-Modul *LED module*

Typ(en) / *Type(s)*

**77.101.xxxx**

**77.102.xxxx**

**77.104.xxxx**

**77.105.xxxx**

**77.110.xxxx**

**77.112.xxxx**

**77.115.xxxx**

**77.116.xxxx**

**77.117.xxxx**

**77.129.xxxx**

Warenzeicheninhaber  
*Trademark holder*

BJB GmbH & Co. KG

Ausführung  
*Construction*

Einbau LED-Modul  
*Built-in led module*

Weitere Angaben siehe Anlagen  
*Further information see appendix*

100 / 2023-12-13  
200 / 2025-03-12

# VDE Prüf- und Zertifizierungsinstitut Zeichengenehmigung

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*  
BJB GmbH & Co. KG, Werler Straße 1, 59755 Arnsberg, Germany

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40048083 .  
*This supplement is only valid in conjunction with page 1 of the Certificate No. 40048083*

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Anlage /  
*Appendix*

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2023-12-13

Datum / *Date*

2018-04-24

## LED-Modul LED module

### Beschreibung des Aufbaues mit zusätzlichen Erklärungen zu den Typenbezeichnungen / *Description of construction with additional explanations of the type references*

Typ/type	Benutzerdefinierte Codierung / costum encoding
77.101.xxxx	xxxx = 1000 - 2999
77.102.xxxx	xxxx = 1000 - 2999
77.104.xxxx	xxxx = 1000 - 1999
77.105.xxxx	xxxx = 1000 - 1999
77.110.xxxx	xxxx = 1000 – 1999, 4000 - 4199
77.112.xxxx	xxxx = U150 - U199, 1000 - 1099
77.115.xxxx	xxxx = U001 - U099, 1000 - 2999, 5000 – 5999, 4000 - 4199, 8000 – 8199, 8300 - 8399, 8500 - 8899, 9000 - 9099, 9500 - 9699
77.116.xxxx	xxxx = 1000 - 2999
77.117.xxxx	xxxx = 1000 - 2999
77.129.xxxx	xxxx = 1000 - 1999, 4000 - 4099

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## LED-Modul LED module

	Typ(en) / Type(s)	Bemessungsspannung / rated voltage [V]	Bemessungsstrom / rated current [mA]	Bemessungsleistung / rated Power [W]	$t_c$ [°C]	Max. Farbtemperatur / max. color temperature [K]	Retinale Blaulichtgefahr von Lichtquellen nach IEC/TR 62778 / Retinal blue light hazard of light sources according to IEC/TR 62778	Basisoliert zur Montage-fläche für Spannungen bis / Basic insulated to mounting surface for voltages up to	Hinweis/remark
1.	77.101.xxxx		DC 350 SELV	4,3	85	3500	RG 1	60V SELV	xxxx = 1000 - 2999
2.	77.102.xxxx		DC 350 SELV	2,0	85	3500	RG 1	60V SELV	xxxx = 1000 - 2999
3.	77.104.xxxx	DC 12 SELV		1,8	100	3500	RG 1	12V SELV	xxxx = 1000 - 1999
4.	77.105.xxxx	DC 12 SELV		1,5	100	3500	RG 1	12V SELV	xxxx = 1000 - 1999
5.	77.110.xxxx		DC 1000 SELV	3,0	125	6500	RG 1	60V SELV	xxxx = 1000 - 1999
	77.110.xxxx	DC 12,7 SELV		3,0	125	6500	RG 1	60V SELV	xxxx = 4000 - 4099
	77.110.xxxx	DC 12 SELV		5,0	125	6500	RG 1	60V SELV	xxxx = 4100 - 4199
6.	77.112.xxxx		DC 750 SELV	4,5	115	3500	RG 1	60V SELV	xxxx = U150 - U199, 1000 - 1099
7.	77.115.xxxx		DC 1000 SELV	3,0	110	6500	RG 1	60V SELV	xxxx = U001 - U099, 1000 - 2999, 5000 - 5999

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	Typ(en) / Type(s)	Bemessungsspannung / rated voltage [V]	Bemessungsstrom / rated current [mA]	Bemessungsleistung / rated Power [W]	$\bar{C}_{cs}$	Max. Farbtemperatur / max. color temperatur [K]	Retinale Blaulichtgefahr von Lichtquellen nach IEC/TR 62778 / Retinal blue light hazard of light sources according to IEC/TR 62778	Basisoliert zur Montage-fläche für Spannungen bis / Basic insulated to mounting surface for voltages up to	Hinweis/remark
	77.115.xxxx	DC 12,7 SELV		3,3	110	6500	RG 1	60V SELV	xxxx = 4000 - 4199
	77.115.xxxx		DC 1000 SELV	6,1	110	6500	RG 1	60V SELV	xxxx = 8000 – 8199, 8300 - 8399, 8500 - 8899
	77.115.xxxx		DC 1000 SELV	9,0	110	6500	RG1	60V SELV	xxxx = 9000 – 9099
	77.115.xxxx	DC 12 SELV		5,0	110	6500	RG1	60V SELV	xxxx = 9500 – 9699
8.	77.116.xxxx		DC 700 SELV	13,8	100	6500	RG1	60V SELV	xxxx = 2000 - 2199
	77.116.xxxx	DC 24 V SELV		16,4	100	6500	RG1	60V SELV	xxxx = 2200 - 2999
	77.116.xxxx	DC 12 SELV		14,5	100	6500	RG1	60V SELV	xxxx = 1000 - 1999
9.	77.117.xxxx		DC 1000 SELV	3	110	6500	RG1	60V SELV	xxxx = 1000 - 1999
	77.117.xxxx		DC 1000 SELV	6	110	6500	RG1	60V SELV	xxxx = 2000 - 2999
10.	77.129.xxxx		DC 1000 SELV	3	110	6500	RG1	60V SELV	xxxx = 1000 - 1999
	77.129.xxxx	DC 12 SELV		5	110	6500	RG1	60V SELV	xxxx = 4000 - 4099

# VDE Prüf- und Zertifizierungsinstitut Zeichengenehmigung

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40048083.  
*This supplement is only valid in conjunction with page 1 of the Certificate No. 40048083.*

## Hinweis / Remark::

Vorbereitet für den Einbau in Produkte nach/*prepared for built-in into products according to:*

DIN EN 60335-1 (VDE 0700-1); EN 60335-1 und/*and*

DIN EN 60335-2-31 (VDE 0700-31); EN 60335-2-31

Die Prüfung nach Abschnitt 19 muss im Einbauzustand durchgeführt werden

*The test according to clause 19 has to be conducted in built-in conditions*

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40048083

letzte Änderung / *updated*

2025-03-12

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Datum / *Date*

2018-04-24

# EU Declaration of Conformity

Manufacturer's name and address: BJB GmbH & Co.KG  
Werler Straße 1  
D-59755 Arnsberg, Germany

Product: LED Module

Type destination: 77.102.xxxx  
77.101.xxxx  
77.104.xxxx  
77.116.xxxx  
77.105.xxxx  
77.110.xxxx  
77.112.xxxx  
77.115.xxxx

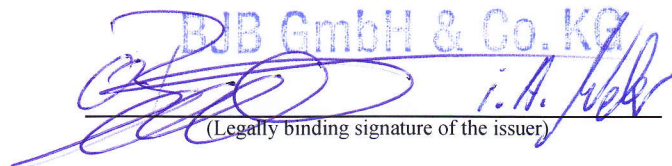
The designated product(s) is (are) in conformity with the provisions of the following European Directives.

x	<b>2014/35/EU</b>	"DIRECTIVE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on the harmonization of the laws of the Member States relating to the marking available on the market of electrical equipment designed for use within certain voltage limits".
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Further information's regarding compliance with these Directives is given in the annex which constitutes a part of this declaration.

This declaration is issued under the sole responsibility of the manufacturer.

Arnsberg, 21.01.2021  
(Place, Date)

  
i. A. Weber  
(Legally binding signature of the issuer)

## EC Declaration of Conformity

### Annex

The conformity of the designated product(s) with the provisions of the European Directive **2014/35/EU** is given by the compliance with the following European Standard(s) or other specifications. If not elsewhere/otherwise indicated the edition/amendment as referenced below applies.

x	<b>EN IEC 62031:2020</b>	LED modules for general lighting – Safety specifications
x	<b>IEC TR 62778:2017 (Second Edition)</b>	Application of IEC 62471 for the assessment of blue hazard to light source and luminaires



# **UKCA Declaration of Conformity**

Manufacturer's name and address    BJB GmbH & Co. KG  
Werler Straße 1  
59755 Arnsberg  
Germany

Object of the declaration:            LED Module

Type designation:                    77.101.xxxx, 77.102.xxxx, 77.104.xxxx, 77.105.xxxx,  
77.110.xxxx, 77.112.xxxx, 77.115.xxxx, 77.116.xxxx

The object of the declaration described above is in conformity with the relevant UK-Regulations and UK-Guidelines:

## **The Electrical Equipment (Safety) Regulations 2016**

STATUTORY INSTRUMENTS  
2016 No. 1101

CONSUMER PROTECTION  
HEALTH AND SAFETY

## **The Restriction of the use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012**

STATUTORY INSTRUMENTS  
2012 No. 3032

ENVIRONMENTAL PROTECTION

## **The Ecodesign for Energy-Related Products Regulations 2010**

STATUTORY INSTRUMENTS  
2010 No. 2617

ENERGY CONSERVATION

References of standards and/ or technical specifications applied for this declaration of conformity, or parts thereof:

**2016 No. 1101:** BS EN IEC 62031:2020

**2012 No. 3032:** BS EN IEC 63000:2018

**2010 No. 2617:** BS EN 50564:2011

Commission Regulation (EC) No. 1275/2008, amending (EU) No. 801/2013  
Commission Regulation (EC) No. 2019/2020 (Reference: OJ L 315,  
01.11.2019)

This declaration is issued under the sole responsibility of the manufacturer.

Arnsberg, 11.08.2021

(Place, Date)

**BJB GmbH & Co. KG**

Baumeister / Weber

(Name, Function) (Signature)