



2 Equipment intended for use in Potentially Explosive Atmospheres 2014/34/EU

3 Certificate Number: **Sira 17ATEX4180X** Issue: **0**

4 Equipment: Linear LED Luminaire – LXB*****

5 Applicant: **Dialight Corporation**

6 Address: 1501 Route 34 South

Farmingdale New Jersey 07727

USA

- 7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- Sira Certification Service certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 2014/34/EU of the European Parliament and of the Council, 26 February 2014.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN 60079-0:2012+A11:2013

EN 60079-15:2010

EN 60079-31:2014

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

- If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use specified in the schedule to this certificate.
- 11 This Type Examination Certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured.
- 12 The marking of the equipment shall include the following:



II 3 G D Ex nA nC IIC T4 Gc Ex tc IIIC 135°C Dc Ta = -40°C \leq Ta \leq +65°C

Project Number 70020481

This certificate and its schedules may only be reproduced in its entirety and without change.

N Jones Certification Manager

Sira Certification Service

Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, United Kingdom





TYPE EXAMINATION CERTIFICATE

Sira 17ATEX4180X Issue 0

13 **DESCRIPTION OF EQUIPMENT**

The Dialight Linear LED Luminaire is a fixed luminaire, available in 2 foot and 4 foot lengths, with 1 or 2 LED arrays, respectively. The luminaire is comprised of an extruded, aluminium enclosure, which contains the termination housings and potted LED driver. Aluminium core LED modules are covered by a clear, polycarbonate metallised reflector. The reflector is secured to the main aluminium body by screw fasteners and covered by a polycarbonate lens. The lens is sealed to the main body of the enclosure using a gasket and 14 screw fasteners. The main body of the enclosure contains 3 compartments; 2 smaller, terminal room compartments at either end of the luminaire for connection of power supply to the driver and to facilitate chaining of luminaires, and a larger compartment housing the LED driver. The main enclosure, at the terminal rooms, has M25 threaded entries for connection of suitably certified cable glands. Fixing brackets are provided on the end caps to secure the luminaire to an installation. The equipment has a rated input voltage of 120-277 VAC.

14 **DESCRIPTIVE DOCUMENTS**

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

| Issu | e Date | Report number | Comment |
|------|-------------|---------------|---------------------------------------|
| 0 | 12 May 2017 | R70020481A | The release of the prime certificate. |

15 SPECIFIC CONDITIONS OF USE

- 15.1 The entry cover plugs provided by the manufacturer are not suitable for use in the hazardous area. The user shall ensure that the equipment is installed with suitably certified entry devices in all entries (two entries at each end of the enclosure). To maintain the IP66 rating of the equipment, the end user shall ensure that all entry devices provide the same degree of ingress protection.
- 15.2 This equipment includes some external non-metallic parts, including the outer protective coating and lens. Cleaning shall only be carried out with a damp cloth.

16 **ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II** (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed reports listed in Section 14.2.

17 **CONDITIONS OF MANUFACTURE**

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.
- 17.2 Holders of Type Examination Certificates are required to comply with the production control requirements defined in Article 13 of Directive 2014/34/EU.
- 17.3 A dielectric strength test shall be carried out at in accordance with EN 60079-15:2010 clause 23.2.1.
- 17.4 The products covered by this certificate incorporate previously certified devices, it is therefore the responsibility of the manufacturer to continually monitor the status of the certification associated with these devices, and the manufacturer shall inform Sira of any modifications of the devices that may impinge upon the explosion safety design of their products.

This certificate and its schedules may only be reproduced in its entirety and without change.

Sira Certification Service

Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, United Kingdom

Certificate Number: Sira 17ATEX4180X

Equipment: Linear LED Luminaire - LXB*****

Applicant: Dialight Corporation



Issue 0

| Drawing | Sheets | Rev. | Date (Sira stamp) | Title |
|------------------|--------|------|-------------------|----------------------------|
| 8854-LXB-0001-00 | 1 to 6 | Α | 03 May 2017 | Linear, Zone 2, End To End |

This certificate and its schedules may only be reproduced in its entirety and without change.

Sira Certification Service

Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, United Kingdom





2 Equipment intended for use in Potentially Explosive Atmospheres 2014/34/EU

3 Certificate Number:

Sira 17ATEX4180X

Issue: 1

4 Equipment:

Linear LED Luminaire - LXB*****

5 Applicant:

Dialight Corporation

6 Address:

1501 Route 34 South

Farmingdale

New Jersey 07727

USA

- 7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- Sira Certification Service certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 2014/34/EU of the European Parliament and of the Council, 26 February 2014.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN 60079-0:2012+A11:2013

EN 60079-15:2010

EN 60079-31:2014

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

- If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use specified in the schedule to this certificate.
- 11 This Type Examination Certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured.
- 12 The marking of the equipment shall include the following:



II 3 G D Ex nA nC IIC T4 Gc Ex tc IIIC 135°C Dc Ta = -40°C $\leq Ta \leq +65$ °C

Project Number

70160212

This certificate and its schedules may only be reproduced in its entirety and without change.

Sira Certification Service

Deputy Certification Manager

A.CRAIG

Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, United Kingdom

Tel: +44 (0) 1244 670900 Fax: +44 (0) 1244 681330 Email: ukinfo@csagroup.org Web: www.csagroupuk.org

C Ellaby

Page 1 of 3





TYPE EXAMINATION CERTIFICATE

Sira 17ATEX4180X Issue 1

13 **DESCRIPTION OF EQUIPMENT**

The Dialight Linear LED Luminaire is a fixed luminaire, available in 2 foot and 4 foot lengths, with 1 or 2 LED arrays, respectively. The luminaire is comprised of an extruded, aluminium enclosure, which contains the termination housings and potted LED driver. Aluminium core LED modules are covered by a clear, polycarbonate metallised reflector. The reflector is secured to the main aluminium body by screw fasteners and covered by a polycarbonate lens. The lens is sealed to the main body of the enclosure using a gasket and 14 screw fasteners. The main body of the enclosure contains 3 compartments; 2 smaller, terminal room compartments at either end of the luminaire for connection of power supply to the driver and to facilitate chaining of luminaires, and a larger compartment housing the LED driver. The main enclosure, at the terminal rooms, has M25 threaded entries for connection of suitably certified cable glands. Fixing brackets are provided on the end caps to secure the luminaire to an installation. The equipment has a rated input voltage of 120-277 VAC.

Variation 1 - This variation introduced the following change:

. Variation to permit the use of an alternative material for the wiring box.

14 **DESCRIPTIVE DOCUMENTS**

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

| Issue | Date | Report number | Comment |
|-------|------------------|---------------|---------------------------------------|
| 0 | 12 May 2017 | R70020481A | The release of the prime certificate. |
| 1 | 08 December 2017 | R70160212A | The introduction of Variation 1 |

15 SPECIFIC CONDITIONS OF USE

- 15.1 The entry cover plugs provided by the manufacturer are not suitable for use in the hazardous area. The user shall ensure that the equipment is installed with suitably certified entry devices in all entries (two entries at each end of the enclosure). To maintain the IP66 rating of the equipment, the end user shall ensure that all entry devices provide the same degree of ingress protection.
- 15.2 This equipment includes some external non-metallic parts, including the outer protective coating and lens. Cleaning shall only be carried out with a damp cloth.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed reports listed in Section 14.2.

17 **CONDITIONS OF MANUFACTURE**

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.
- 17.2 Holders of Type Examination Certificates are required to comply with the production control requirements defined in Article 13 of Directive 2014/34/EU.
- 17.3 A dielectric strength test shall be carried out at in accordance with EN 60079-15:2010 clause 23.2.1.

This certificate and its schedules may only be reproduced in its entirety and without change.

Sira Certification Service

Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, United Kingdom

www.csagroupuk.org

Tel: +44 (0) 1244 670900 Fax: +44 (0) 1244 681330 Email: ukinfo@csagroup.org

Web:

Page 2 of 3





TYPE EXAMINATION CERTIFICATE

Sira 17ATEX4180X Issue 1

17.4 The products covered by this certificate incorporate previously certified devices, it is therefore the responsibility of the manufacturer to continually monitor the status of the certification associated with these devices, and the manufacturer shall inform Sira of any modifications of the devices that may impinge upon the explosion safety design of their products.

This certificate and its schedules may only be reproduced in its entirety and without change.

Sira Certification Service

Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, United Kingdom

Certificate Number: Sira 17ATEX4180X

Equipment:

Linear LED Luminaire - LXB*****

Applicant:

Dialight Corporation

Issue 0

| Drawing | Sheets | Rev. | Date (Sira stamp) | Title |
|------------------|--------|------|-------------------|----------------------------|
| 8854-LXB-0001-00 | 1 to 6 | Α | 03 May 17 | Linear, Zone 2, End To End |

Issue 1

| Drawing | Sheets | Rev. | Date (Sira stamp) | Title |
|------------------|--------|------|-------------------|----------------------------|
| 8854-LXB-0001-00 | 1 to 6 | В | 08 Nov 17 | Linear, Zone 2, End To End |

This certificate and its schedules may only be reproduced in its entirety and without change.

Sira Certification Service

Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, United Kingdom





2 Equipment intended for use in Potentially Explosive Atmospheres 2014/34/EU

3 Certificate Number: Sira 17ATEX4180X Issue: 2

4 Equipment: Linear LED Luminaire – LXB******

5 Applicant: **Dialight Corporation**

6 Address: 1501 Route 34 South

Farmingdale New Jersey 07727

USA

- 7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- Sira Certification Service certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 2014/34/EU of the European Parliament and of the Council, 26 February 2014.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN 60079-0:2012+A11:2013

EN 60079-15:2010

EN 60079-31:2014

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

- If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use specified in the schedule to this certificate.
- 11 This Type Examination Certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured.
- 12 The marking of the equipment shall include the following:



II 3 G D Ex nA nC IIC T4 Gc Ex tc IIIC 135°C Dc Ta = -40°C \leq Ta \leq +65°C

Project Number 80015781

This certificate and its schedules may only be reproduced in its entirety and without change.

N Jones

Certification Manager

Sira Certification Service

Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, United Kingdom

Tel: +44 (0) 1244 670900
Email: ukinfo@csagroup.org
Web: www.csagroupuk.org





TYPE EXAMINATION CERTIFICATE

Sira 17ATEX4180X Issue 2

13 **DESCRIPTION OF EQUIPMENT**

The Dialight Linear LED Luminaire is a fixed luminaire, available in 2 foot and 4 foot lengths, with 1 or 2 LED arrays, respectively. The luminaire is comprised of an extruded, aluminium enclosure, which contains the termination housings and potted LED driver. Aluminium core LED modules are covered by a clear, polycarbonate metallised reflector. The reflector is secured to the main aluminium body by screw fasteners and covered by a polycarbonate lens. The lens is sealed to the main body of the enclosure using a gasket and 14 screw fasteners. The main body of the enclosure contains 3 compartments; 2 smaller, terminal room compartments at either end of the luminaire for connection of power supply to the driver and to facilitate chaining of luminaires, and a larger compartment housing the LED driver. The main enclosure, at the terminal rooms, has M25 threaded entries for connection of suitably certified cable glands. Fixing brackets are provided on the end caps to secure the luminaire to an installation. The equipment has a rated input voltage of 120-277 VAC.

Variation 1 - This variation introduced the following change:

i. Variation to permit the use of an alternative material for the wiring box.

Variation 2 - This variation introduced the following change:

i. Changes to the construction of the internal wiring box.

14 **DESCRIPTIVE DOCUMENTS**

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

| Issue | Date | Report number | Comment |
|-------|------------------|---------------|---------------------------------------|
| 0 | 12 May 2017 | R70020481A | The release of the prime certificate. |
| 1 | 08 December 2017 | R70160212A | The introduction of Variation 1. |
| 2 | 15 October 2019 | R80015781A | The introduction of Variation 2. |

15 SPECIFIC CONDITIONS OF USE

- 15.1 The entry cover plugs provided by the manufacturer are not suitable for use in the hazardous area. The user shall ensure that the equipment is installed with suitably certified entry devices in all entries (two entries at each end of the enclosure). To maintain the IP66 rating of the equipment, the end user shall ensure that all entry devices provide the same degree of ingress protection.
- 15.2 This equipment includes some external non-metallic parts, including the outer protective coating and lens. Cleaning shall only be carried out with a damp cloth.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed reports listed in Section 14.2.

17 **CONDITIONS OF MANUFACTURE**

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.

This certificate and its schedules may only be reproduced in its entirety and without change.

Sira Certification Service

Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, United Kingdom

 Tel:
 +44 (0) 1244 670900

 Email:
 ukinfo@csagroup.org

 Web:
 www.csagroupuk.org





TYPE EXAMINATION CERTIFICATE

Sira 17ATEX4180X Issue 2

- Holders of Type Examination Certificates are required to comply with the production control requirements defined in Article 13 of Directive 2014/34/EU.
- 17.3 A dielectric strength test shall be carried out at in accordance with EN 60079-15:2010 clause 23.2.1.
- 17.4 The products covered by this certificate incorporate previously certified devices, it is therefore the responsibility of the manufacturer to continually monitor the status of the certification associated with these devices, and the manufacturer shall inform Sira of any modifications of the devices that may imping upon the explosion safety design of their products.

Certificate Number: Sira 17ATEX4180X

Equipment: Linear LED Luminaire - LXB*****

Applicant: Dialight Corporation



Issue 0

| Drawing | Sheets | Rev. | Date (Sira stamp) | Title |
|------------------|--------|------|-------------------|----------------------------|
| 8854-LXB-0001-00 | 1 to 6 | Α | 03 May 17 | Linear, Zone 2, End To End |

Issue 1

| Drawing | Sheets | Rev. | Date (Sira stamp) | Title |
|------------------|--------|------|-------------------|----------------------------|
| 8854-LXB-0001-00 | 1 to 6 | В | 08 Nov 17 | Linear, Zone 2, End To End |

Issue 2

| Drawing | Sheets | Rev. | Date (Sira Stamp) | Title |
|------------------|--------|------|-------------------|----------------------------|
| 8854-LXB-0001-00 | 1 to 6 | С | 11 Sep 19 | Linear, Zone 2, End To End |

This certificate and its schedules may only be reproduced in its entirety and without change.

Sira Certification Service

Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, United Kingdom

Tel: +44 (0) 1244 670900
Email: <u>ukinfo@csagroup.org</u>
Web: <u>www.csagroupuk.org</u>





2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 17ATEX4180X** Issue: **3**

4 Equipment: Linear LED Luminaire – LXB*****

5 Applicant: **Dialight Corporation**

6 Address: 1501 Route 34 South

Farmingdale New Jersey 07727

USA

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 CSA Group Netherlands B.V. certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design of Category 3 equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 60079-0:2012+A11:2013 EN 60079-15:2010 EN 60079-31:2014

- 10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.
- 11 This Type Examination Certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.
- 12 The marking of the equipment shall include the following:



II 3 G D Ex nA nC IIC T4 Gc Ex tc IIIC 135°C Dc Ta = -40°C \leq Ta \leq +65°C

Project Number 0651

Signed:

Title: Director of Operations

This certificate and its schedules may only be reproduced in its entirety and without change

CSA Group Netherlands B.V. Utrechtseweg 310, 6812 AR, Arnhem, Netherlands

Page 1 of 3

DQD 544.15 Rev. 2018-11-19





TYPE EXAMINATION CERTIFICATE

Sira 17ATEX4180X Issue 3

13 **DESCRIPTION OF EQUIPMENT**

The Dialight Linear LED Luminaire is a fixed luminaire, available in 2 foot and 4 foot lengths, with 1 or 2 LED arrays, respectively. The luminaire is comprised of an extruded, aluminium endosure, which contains the termination housings and potted LED driver. Aluminium core LED modules are covered by a clear, polycarbonate metallised reflector. The reflector is secured to the main aluminium body by screw fasteners and covered by a polycarbonate lens. The lens is sealed to the main body of the enclosure using a gasket and 14 screw fasteners. The main body of the enclosure contains 3 compartments; 2 smaller, terminal room compartments at either end of the luminaire for connection of power supply to the driver and to facilitate chaining of luminaires, and a larger compartment housing the LED driver. The main enclosure, at the terminal rooms, has M25 threaded entries for connection of suitably certified cable glands. Fixing brackets are provided on the end caps to secure the luminaire to an installation. The equipment has a rated input voltage of 120-277 VAC.

Variation 1 - This variation introduced the following change:

i. Variation to permit the use of an alternative material for the wiring box.

Variation 2 - This variation introduced the following change:

i. Changes to the construction of the internal wiring box.

14 **DESCRIPTIVE DOCUMENTS**

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

| Issue | Date | Report number | Comment |
|-------|------------------|---------------------|--|
| 0 | 12 May 2017 | R70020481A | The release of the prime certificate. |
| 1 | 08 December 2017 | R70160212A | The introduction of Variation 1. |
| 2 | 15 October 2019 | R80015781A and 0651 | This issue covers the following changes: The introduction of Variation 2 Transfer of certificate Sira 17ATEX4180X from Sira Certification Service to CSA Group Netherlands B.V |

15 SPECIFIC CONDITIONS OF USE

15.1 The entry cover plugs provided by the manufacturer are not suitable for use in the hazardous area. The user shall ensure that the equipment is installed with suitably certified entry devices in all entries (two entries at each end of the enclosure). To maintain the IP66 rating of the equipment, the end user shall ensure that all entry devices provide the same degree of ingress protection.

This certificate and its schedules may only be reproduced in its entirety and without change

CSA Group Netherlands B.V. Utrechtseweg 310,

6812 AR, Arnhem, Netherlands





TYPE EXAMINATION CERTIFICATE

Sira 17ATEX4180X Issue 3

15.2 This equipment includes some external non-metallic parts, including the outer protective coating and lens. Cleaning shall only be carried out with a damp cloth.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed reports listed in Section 14.2.

This certificate and its schedules may only be reproduced in its entirety and without change

CSA Group Netherlands B.V. Utrechtseweg 310, 6812 AR, Arnhem, Netherlands



Certificate Number: Sira 17ATEX4180X

Equipment: Linear LED Luminaire – LXB*****

Applicant: Dialight Corporation

Issue 0

| Drawing | Sheets | Rev. | Date (Sira stamp) | Title |
|------------------|--------|------|-------------------|----------------------------|
| 8854-LXB-0001-00 | 1 to 6 | Α | 03 May 17 | Linear, Zone 2, End To End |

Issue 1

| Drawing | Sheets | Rev. | Date (Sira stamp) | Title |
|------------------|--------|------|-------------------|----------------------------|
| 8854-LXB-0001-00 | 1 to 6 | В | 08 Nov 17 | Linear, Zone 2, End To End |

Issue 2

| Drawing | Sheets | Rev. | Date (Sira Stamp) | Title |
|------------------|--------|------|-------------------|----------------------------|
| 8854-LXB-0001-00 | 1 to 6 | С | 11 Sep 19 | Linear, Zone 2, End To End |

This certificate and its schedules may only be reproduced in its entirety and without change

CSA Group Netherlands B.V. Utrechtseweg 310, 6812 AR, Arnhem, Netherlands