1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 12ATEX3217X** Issue: **0**

4 Equipment: **ELA Series LED Linear Luminaire**

5 Applicant: **Dialight Europe Ltd**

6 Address: Exning Road
Newmarket
Suffolk CB8 0AX
UK

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

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of 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 EN 60079-7:2007 EN 60079-18:2009 EN 60079-31:2009

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.

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC type-examination certificate relates only to the design and construction of the specified equipment. 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 2 G D
Ex e mb IIC T4 Gb
Ex t IIIC T135°C Db
Ta = -20°C to +60°C

Project Number 27569

C Ellaby
Deputy Certification Manager

Sira Certification Service
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Web: www.siracertification.com

SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE **Sira 12ATEX3217X**
Issue 0

13 **DESCRIPTION OF EQUIPMENT**

The ELA Series LED Linear Luminaires are suitable for fixed installations and are designed for use with an electrical supply of 110 Vac to 250 Vac, 50/60Hz. They comprise an enclosure constructed from stainless steel or steel that has an elliptical cross section. This enclosure is fitted with two end caps that are secured with two, M6 screws; the end caps can have up to two cable entry holes for cable glands that are suitable for the application and ATEX certified by a notified body. There are two sizes of enclosure, a 2 foot version and a 4 foot version, these utilise the following main parts:

2 foot version
- One, polycarbonate optic
- A potted assembly of 28 LEDs that may be supplied in any colour

4 foot version
- Two, polycarbonate optics
- A potted assembly of 56 LEDs that may be supplied in any colour

Each polycarbonate optic is secured using six, M6 screws and they are sealed with a silicone gasket, thus maintaining the IP54/IP64 ratings (as applicable). All fastening screws are fitted with silicone washers.

The potted assemblies incorporate LEDs that that dissipate a maximum of 1.2 W each, these are mounted onto a heat sink along with a potted power supply and one of the following supply terminals:

Manufacturer	Type Ref.	Coded	Certificate Number
Weidmuller	Type BK	Ex e II	Sira 01ATEX3247U IECEx SIR 05.0035U
Weidmuller	Type MK	Ex e II	Sira 01ATEX3249U IECEx SIR 05.0037U
Wago	Type 862	Ex e II	PTB 03ATEX1189U IECEx PTB 05.0003U

14 **DESCRIPTIVE DOCUMENTS**

14.1 **Drawings**

Refer to Certificate Annexe.

14.2 **Associated Sira Reports and Certificate History**

Issue	Date	Report number	Comment
0	27 February 2013	R27569A/00	The release of the prime certificate.

15 **SPECIAL CONDITIONS FOR SAFE USE** (denoted by X after the certificate number)

15.1 The ELA Series LED Linear Luminaires shall only be installed in areas of low mechanical impact risk.

15.2 This equipment may generate an ignition-capable level of electrostatic charge under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which might cause a build up of electrostatic charge on non-conducting surfaces. Additionally, cleaning of the equipment should be done only with a damp cloth.

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE **Sira 12ATEX3217X**
Issue 0

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 in the reports listed in Section 14.2.

17 **CONDITIONS OF CERTIFICATION**

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

17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

17.3 The following routine tests shall be performed on each product manufactured:

- The encapsulated parts of the apparatus shall be subjected to a visual inspection. No visible damage of the compound shall be evident, such as cracks, exposure of the encapsulated parts, flaking, impermissible shrinkage, discoloration, swelling decomposition or softening, as required by EN 60079-18:2009 Clause 9.1.
- An electric strength test of 2U +1000 V (where U is the supply voltage) with a minimum of 1500 V ac, shall be applied between circuit and casing for at least 1 minute as required by EN 60079-7:2007, Clause 6.1. No breakdown shall occur.

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Certificate Annexe

Certificate Number: **Sira 12ATEX3217X**

Equipment: **ELA Series LED Linear Luminaire**

Applicant: **Dialight Europe Ltd**

Issue 0

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
SCH001801	1 of 1	A	21 Feb 13	Linear Series Driver
DLC001721	1 to 3	A	22 Feb 13	Certification Drawing UK LED Linear

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1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 12ATEX3217X** Issue: **1**

4 Equipment: **ELA Series LED Linear Luminaire**

5 Applicant: **Dialight Europe Ltd**

6 Address: Exning Road
Newmarket
Suffolk CB8 0AX
UK

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

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of 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 EN 60079-7:2007 EN 60079-18:2009 EN 60079-31:2009

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.

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC type-examination certificate relates only to the design and construction of the specified equipment. 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 2 G D
Ex e mb IIC T4 Gb
Ex tb IIIC T135°C Db
Ta = -20°C to +60°C

Project Number 30163

C Ellaby
Deputy Certification Manager

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE **Sira 12ATEX3217X**
Issue 1

13 **DESCRIPTION OF EQUIPMENT**

The ELA Series LED Linear Luminaires are suitable for fixed installations and are designed for use with an electrical supply of 110 Vac to 250 Vac, 50/60Hz. They comprise an enclosure constructed from stainless steel or steel that has an elliptical cross section. This enclosure is fitted with two end caps that are secured with two, M6 screws; the end caps can have up to two cable entry holes for cable glands that are suitable for the application and ATEX certified by a notified body. There are two sizes of enclosure, a 2 foot version and a 4 foot version, these utilise the following main parts:

2 foot version
- One, polycarbonate optic
- A potted assembly of 28 LEDs that may be supplied in any colour

4 foot version
- Two, polycarbonate optics
- A potted assembly of 56 LEDs that may be supplied in any colour

Each polycarbonate optic is secured using six, M6 screws and they are sealed with a silicone gasket, thus maintaining the IP54/IP64 ratings (as applicable). All fastening screws are fitted with silicone washers.

The potted assemblies incorporate LEDs that that dissipate a maximum of 1.2 W each, these are mounted onto a heat sink along with a potted power supply and one of the following supply terminals:

Manufacturer	Type Ref.	Coded	Certificate Number
Weidmuller	Type BK	Ex e II	Sira 01ATEX3247U IECEx SIR 05.0035U
Weidmuller	Type MK	Ex e II	Sira 01ATEX3249U IECEx SIR 05.0037U
Wago	Type 862	Ex e II	PTB 03ATEX1189U IECEx PTB 05.0003U

Variation 1 - This variation introduced the following changes:

i. 2 foot and 4 foot emergency luminaire versions were introduced to the range. The emergency versions comprise the standard luminaire with the addition of a battery enclosure, secured to the exterior of the standard housing via two metallic couplers and located where the cable entry was previously situated. The battery pack and an isolation switch are fitted within the battery enclosure. The potted driver for the emergency version remains within the standard luminaire housing, although utilises a modified circuit. The type reference and coding applied to the standard version is applicable to the emergency version, hence unchanged, although the label of the emergency version states 'maintained emergency luminaire'.

ii. An internal pluggable connector was added as an optional replacement to the certified terminal block. This is applicable to both standard and emergency luminaires.

iii. The dust marking stated on the certificate was amended to bring it into line with the intention of EN 60079-0.

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE **Sira 12ATEX3217X**
Issue 1

14 **DESCRIPTIVE DOCUMENTS**

14.1 **Drawings**

Refer to Certificate Annexe.

14.2 **Associated Sira Reports and Certificate History**

Issue	Date	Report number	Comment
0	27 February 2013	R27569A/00	The release of the prime certificate.
1	17 June 2013	R30163A/00	The introduction of Variation 1.

15 **SPECIAL CONDITIONS FOR SAFE USE** (denoted by X after the certificate number)

15.1 The ELA Series LED Linear Luminaires shall only be installed in areas of low mechanical impact risk.

15.2 This equipment may generate an ignition-capable level of electrostatic charge under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which might cause a build up of electrostatic charge on non-conducting surfaces. Additionally, cleaning of the equipment should be done only 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 in the reports listed in Section 14.2.

17 **CONDITIONS OF CERTIFICATION**

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

17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

17.3 The following routine tests shall be performed on each product manufactured:

- The encapsulated parts of the apparatus shall be subjected to a visual inspection. No visible damage of the compound shall be evident, such as cracks, exposure of the encapsulated parts, flaking, impermissible shrinkage, discoloration, swelling decomposition or softening, as required by EN 60079-18:2009 Clause 9.1.
- An electric strength test of 2U +1000 V (where U is the supply voltage) with a minimum of 1500 V ac, shall be applied between circuit and casing for at least 1 minute as required by EN 60079-7:2007, Clause 6.1. No breakdown shall occur.

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Web: www.siracertification.com

Certificate Annexe

Certificate Number: **Sira 12ATEX3217X**

Equipment: **ELA Series LED Linear Luminaire**

Applicant: **Dialight Europe Ltd**

Issue 0

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
SCH001801	1 of 1	A	21 Feb 13	Linear Series Driver
DLC001721	1 to 3	A	22 Feb 13	Certification Drawing UK LED Linear

Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 3	B	10 Jun 13	UK LED Linear Emergency
DLC001721	1 to 3	B	07 Jun 13	Certification Drawing UK LED Linear

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1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 12ATEX3217X** Issue: **2**

4 Equipment: **ELA Series LED Linear Luminaire**

5 Applicant: **Dialight Europe Ltd**

6 Address: Exning Road
Newmarket
Suffolk CB8 0AX
UK

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

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of 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 EN 60079-7:2007 EN 60079-18:2009 EN 60079-31:2009

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.

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC type-examination certificate relates only to the design and construction of the specified equipment. 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 2 G D
Ex e mb IIC T4 Gb
Ex tb IIIC T135°C Db
Ta = -20°C to +60°C

Project Number 31557

C Ellaby
Deputy Certification Manager

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13 **DESCRIPTION OF EQUIPMENT**

The ELA Series LED Linear Luminaires are suitable for fixed installations and are designed for use with an electrical supply of 110 Vac to 250 Vac, 50/60Hz. They comprise an enclosure constructed from stainless steel or steel that has an elliptical cross section. This enclosure is fitted with two end caps that are secured with two, M6 screws; the end caps can have up to two cable entry holes for cable glands that are suitable for the application and ATEX certified by a notified body. There are two sizes of enclosure, a 2 foot version and a 4 foot version, these utilise the following main parts:

2 foot version

- One, polycarbonate optic
- A potted assembly of 28 LEDs that may be supplied in any colour

4 foot version

- Two, polycarbonate optics
- A potted assembly of 56 LEDs that may be supplied in any colour

Each polycarbonate optic is secured using six, M6 screws and they are sealed with a silicone gasket, thus maintaining the IP54/IP64 ratings (as applicable). All fastening screws are fitted with silicone washers.

The potted assemblies incorporate LEDs that that dissipate a maximum of 1.2 W each, these are mounted onto a heat sink along with a potted power supply and one of the following supply terminals:

Manufacturer	Type Ref.	Coded	Certificate Number
Weidmuller	Type BK	Ex e II	Sira 01ATEX3247U IECEx SIR 05.0035U
Weidmuller	Type MK	Ex e II	Sira 01ATEX3249U IECEx SIR 05.0037U
Wago	Type 862	Ex e II	PTB 03ATEX1189U IECEx PTB 05.0003U

It is recognised that, in addition to the IP 64 requirements needed to comply with the certifying standards, the ELA Series LED Linear Luminaires and Emergency variants have been independently tested according to the requirements of EN 60529 to meet IP 66 and IP 67.

Variation 1 - This variation introduced the following changes:

i. 2 foot and 4 foot emergency luminaire versions were introduced to the range. The emergency versions comprise the standard luminaire with the addition of a battery enclosure, secured to the exterior of the standard housing via two metallic couplers and located where the cable entry was previously situated. The battery pack and an isolation switch are fitted within the battery enclosure. The potted driver for the emergency version remains within the standard luminaire housing, although utilises a modified circuit. The type reference and coding applied to the standard version is applicable to the emergency version, hence unchanged, although the label of the emergency version states ‘maintained emergency luminaire’.

ii. An internal pluggable connector was added as an optional replacement to the certified terminal block. This is applicable to both standard and emergency luminaires.

iii. The dust marking stated on the certificate was amended to bring it into line with the intention of EN 60079-0.

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Variation 2 - This variation introduced the following changes:

i. The use of a 3 A protection fuse was allowed as an alternative to the existing 1.5 A fuse fitted within the encapsulated emergency driver; this modification only applies to the Emergency Luminaires.
ii. The product description to be updated with the following statement; "It is recognised that, in addition to the IP 64 requirements needed to comply with the certifying standards, the ELA Series LED Linear Luminaires and Emergency variants have been independently tested according to the requirements of EN 60529 to meet IP 66 and IP 67."

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	27 February 2013	R27569A/00	The release of the prime certificate.
1	17 June 2013	R30163A/00	The introduction of Variation 1.
2	28 August 2013	R31557A/00	The introduction of Variation 2.

15 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after the certificate number)

15.1 The ELA Series LED Linear Luminaires shall only be installed in areas of low mechanical impact risk.

15.2 This equipment may generate an ignition-capable level of electrostatic charge under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which might cause a build up of electrostatic charge on non-conducting surfaces. Additionally, cleaning of the equipment should be done only 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 in the reports listed in Section 14.2.

17 CONDITIONS OF CERTIFICATION

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

17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

17.3 The following routine tests shall be performed on each product manufactured:

- The encapsulated parts of the apparatus shall be subjected to a visual inspection. No visible damage of the compound shall be evident, such as cracks, exposure of the encapsulated parts, flaking, impermissible shrinkage, discoloration, swelling decomposition or softening, as required by EN 60079-18:2009 Clause 9.1.
- An electric strength test of 2U +1000 V (where U is the supply voltage) with a minimum of 1500 V ac, shall be applied between circuit and casing for at least 1 minute as required by EN 60079-7:2007, Clause 6.1. No breakdown shall occur.

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Certificate Annexe

Certificate Number: **Sira 12ATEX3217X**

Equipment: **ELA Series LED Linear Luminaire**

Applicant: **Dialight Europe Ltd**

Issue 0

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
SCH001801	1 of 1	A	21 Feb 13	Linear Series Driver
DLC001721	1 to 3	A	22 Feb 13	Certification Drawing UK LED Linear

Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 5	B	10 Jun 13	UK LED Linear Emergency
DLC001721	1 to 3	B	07 Jun 13	Certification Drawing UK LED Linear

Note: The number of sheets associated with Drawing DLC-002221 was amended by Issue 2; this was to correct a typographical error in the original Issue 1.

Issue 2

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 5	C	15 Aug 13	UK LED Linear Emergency

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1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 12ATEX3217X** Issue: **3**

4 Equipment: **ELA Series LED Linear Luminaire**

5 Applicant: **Dialight Europe Ltd**

6 Address: Exning Road
Newmarket
Suffolk CB8 0AX
UK

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

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of 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 EN 60079-7:2007 EN 60079-18:2009 EN 60079-31:2009

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.

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC type-examination certificate relates only to the design and construction of the specified equipment. 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 2 G D
Ex e mb IIC T4 Gb
Ex tb IIIC T135°C Db
Ta = -20°C to +60°C

Project Number 32516

C Ellaby
Deputy Certification Manager

Sira Certification Service
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13 **DESCRIPTION OF EQUIPMENT**

The ELA Series LED Linear Luminaires are suitable for fixed installations and are designed for use with an electrical supply of 110 Vac to 250 Vac, 50/60Hz. They comprise an enclosure constructed from stainless steel or steel that has an elliptical cross section. This enclosure is fitted with two end caps that are secured with two, M6 screws; the end caps can have up to two cable entry holes for cable glands that are suitable for the application and ATEX certified by a notified body. There are two sizes of enclosure, a 2 foot version and a 4 foot version, these utilise the following main parts:

2 foot version

- One, polycarbonate optic
- A potted assembly of 28 LEDs that may be supplied in any colour

4 foot version

- Two, polycarbonate optics
- A potted assembly of 56 LEDs that may be supplied in any colour

Each polycarbonate optic is secured using six, M6 screws and they are sealed with a silicone gasket, thus maintaining the IP54/IP64 ratings (as applicable). All fastening screws are fitted with silicone washers.

The potted assemblies incorporate LEDs that that dissipate a maximum of 1.2 W each, these are mounted onto a heat sink along with a potted power supply and one of the following supply terminals:

Manufacturer	Type Ref.	Coded	Certificate Number
Weidmuller	Type BK	Ex e II	Sira 01ATEX3247U IECEx SIR 05.0035U
Weidmuller	Type MK	Ex e II	Sira 01ATEX3249U IECEx SIR 05.0037U
Wago	Type 862	Ex e II	PTB 03ATEX1189U IECEx PTB 05.0003U

It is recognised that, in addition to the IP 64 requirements needed to comply with the certifying standards, the ELA Series LED Linear Luminaires and Emergency variants have been independently tested according to the requirements of EN 60529 to meet IP 66 and IP 67.

Variation 1 - This variation introduced the following changes:

i. 2 foot and 4 foot emergency luminaire versions were introduced to the range. The emergency versions comprise the standard luminaire with the addition of a battery enclosure, secured to the exterior of the standard housing via two metallic couplers and located where the cable entry was previously situated. The battery pack and an isolation switch are fitted within the battery enclosure. The potted driver for the emergency version remains within the standard luminaire housing, although utilises a modified circuit. The type reference and coding applied to the standard version is applicable to the emergency version, hence unchanged, although the label of the emergency version states ‘maintained emergency luminaire’.

ii. An internal pluggable connector was added as an optional replacement to the certified terminal block. This is applicable to both standard and emergency luminaires.

iii. The dust marking stated on the certificate was amended to bring it into line with the intention of EN 60079-0.

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Variation 2 - This variation introduced the following changes:

i. The use of a 3 A protection fuse was allowed as an alternative to the existing 1.5 A fuse fitted within the encapsulated emergency driver; this modification only applies to the Emergency Luminaires.
ii. The product description to be updated with the following statement; "It is recognised that, in addition to the IP 64 requirements needed to comply with the certifying standards, the ELA Series LED Linear Luminaires and Emergency variants have been independently tested according to the requirements of EN 60529 to meet IP 66 and IP 67."

Variation 3 - This variation introduced the following changes:

i. The use of optional, heat shrink tubing over the main compartment and battery compartment was approved.
ii. An alternative 'one piece enclosure model' of the emergency variant where the battery compartment forms part of the main compartment was recognised.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	27 February 2013	R27569A/00	The release of the prime certificate.
1	17 June 2013	R30163A/00	The introduction of Variation 1.
2	28 August 2013	R31557A/00	The introduction of Variation 2.
3	11 December 2013	R32516A/00	The introduction of Variation 3.

15 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after the certificate number)

15.1 The ELA Series LED Linear Luminaires shall only be installed in areas of low mechanical impact risk.

15.2 This equipment may generate an ignition-capable level of electrostatic charge under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which might cause a build up of electrostatic charge on non-conducting surfaces. Additionally, cleaning of the equipment should be done only 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 in the reports listed in Section 14.2.

17 CONDITIONS OF CERTIFICATION

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

17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

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Fax: +44 (0) 1244 681330
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Web: www.siracertification.com

17.3 The following routine tests shall be performed on each product manufactured:

- The encapsulated parts of the apparatus shall be subjected to a visual inspection. No visible damage of the compound shall be evident, such as cracks, exposure of the encapsulated parts, flaking, impermissible shrinkage, discoloration, swelling decomposition or softening, as required by EN 60079-18:2009 Clause 9.1.
- An electric strength test of 2U +1000 V (where U is the supply voltage) with a minimum of 1500 V ac, shall be applied between circuit and casing for at least 1 minute as required by EN 60079-7:2007, Clause 6.1. No breakdown shall occur.

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Certificate Annexe

Certificate Number: **Sira 12ATEX3217X**

Equipment: **ELA Series LED Linear Luminaire**

Applicant: **Dialight Europe Ltd**

Issue 0

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
SCH001801	1 of 1	A	21 Feb 13	Linear Series Driver
DLC001721	1 to 3	A	22 Feb 13	Certification Drawing UK LED Linear

Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 5	B	10 Jun 13	UK LED Linear Emergency
DLC001721	1 to 3	B	07 Jun 13	Certification Drawing UK LED Linear

Note: The number of sheets associated with Drawing DLC-002221 was amended by Issue 2; this was to correct a typographical error in the original Issue 1.

Issue 2

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 5	C	15 Aug 13	UK LED Linear Emergency

Issue 3

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 6	D	09 Dec 13	Certification Drawing UK LED Linear Emergency

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Web: www.siracertification.com

1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 12ATEX3217X** Issue: **4**

4 Equipment: **ELA Series LED Linear Luminaire**

5 Applicant: **Dialight Europe Ltd**

6 Address: Exning Road
Newmarket
Suffolk CB8 0AX
UK

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

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of 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 EN 60079-7:2007 EN 60079-18:2009 EN 60079-31:2009

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.

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC type-examination certificate relates only to the design and construction of the specified equipment. 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 2 G D
Ex e mb IIC T4 Gb
Ex tb IIIC T135°C Db
Ta = -20°C to +60°C

Project Number 33531

C Ellaby
Deputy Certification Manager

Sira Certification Service
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Web: www.siracertification.com

13 **DESCRIPTION OF EQUIPMENT**

The ELA Series LED Linear Luminaires are suitable for fixed installations and are designed for use with an electrical supply of 110 Vac to 250 Vac, 50/60Hz. They comprise an enclosure constructed from stainless steel or steel that has an elliptical cross section. This enclosure is fitted with two end caps that are secured with two, M6 screws; the end caps can have up to two cable entry holes for cable glands that are suitable for the application and ATEX certified by a notified body. There are two sizes of enclosure, a 2 foot version and a 4 foot version, these utilise the following main parts:

2 foot version

- One, polycarbonate optic
- A potted assembly of 28 LEDs that may be supplied in any colour

4 foot version

- Two, polycarbonate optics
- A potted assembly of 56 LEDs that may be supplied in any colour

Each polycarbonate optic is secured using six, M6 screws and they are sealed with a silicone gasket, thus maintaining the IP54/IP64 ratings (as applicable). All fastening screws are fitted with silicone washers.

The potted assemblies incorporate LEDs that that dissipate a maximum of 1.2 W each, these are mounted onto a heat sink along with a potted power supply and one of the following supply terminals:

Manufacturer	Type Ref.	Coded	Certificate Number
Weidmuller	Type BK	Ex e II	Sira 01ATEX3247U IECEx SIR 05.0035U
Weidmuller	Type MK	Ex e II	Sira 01ATEX3249U IECEx SIR 05.0037U
Wago	Type 862	Ex e II	PTB 03ATEX1189U IECEx PTB 05.0003U

It is recognised that, in addition to the IP 64 requirements needed to comply with the certifying standards, the ELA Series LED Linear Luminaires and Emergency variants have been independently tested according to the requirements of EN 60529 to meet IP 66 and IP 67.

Variation 1 - This variation introduced the following changes:

i. 2 foot and 4 foot emergency luminaire versions were introduced to the range. The emergency versions comprise the standard luminaire with the addition of a battery enclosure, secured to the exterior of the standard housing via two metallic couplers and located where the cable entry was previously situated. The battery pack and an isolation switch are fitted within the battery enclosure. The potted driver for the emergency version remains within the standard luminaire housing, although utilises a modified circuit. The type reference and coding applied to the standard version is applicable to the emergency version, hence unchanged, although the label of the emergency version states ‘maintained emergency luminaire’.

ii. An internal pluggable connector was added as an optional replacement to the certified terminal block. This is applicable to both standard and emergency luminaires.

iii. The dust marking stated on the certificate was amended to bring it into line with the intention of EN 60079-0.

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Web: www.siracertification.com

Variation 2 - This variation introduced the following changes:

i. The use of a 3 A protection fuse was allowed as an alternative to the existing 1.5 A fuse fitted within the encapsulated emergency driver; this modification only applies to the Emergency Luminaires.
ii. The product description to be updated with the following statement; "It is recognised that, in addition to the IP 64 requirements needed to comply with the certifying standards, the ELA Series LED Linear Luminaires and Emergency variants have been independently tested according to the requirements of EN 60529 to meet IP 66 and IP 67."

Variation 3 - This variation introduced the following changes:

i. The use of optional, heat shrink tubing over the main compartment and battery compartment was approved.
ii. An alternative 'one piece enclosure model' of the emergency variant where the battery compartment forms part of the main compartment was recognised.

Variation 4 - This variation introduced the following change:

i. Minor modifications to the potted emergency power supply which include:

- Addition of an EMC filter PCB and axial ferrite bead on driver input cable within the potted assembly resulting in extension in the overall length of the driver from 200 mm to 231 mm.
- Addition of a braid to the driver supply cable and pass-thru cable for mechanical protection
- Addition of a snap ferrite to the driver supply cable and battery cable

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	27 February 2013	R27569A/00	The release of the prime certificate.
1	17 June 2013	R30163A/00	The introduction of Variation 1.
2	28 August 2013	R31557A/00	The introduction of Variation 2.
3	11 December 2013	R32516A/00	The introduction of Variation 3.
4	30 April 2014	R33531A/00	The introduction of Variation 4.

15 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after the certificate number)

15.1 The ELA Series LED Linear Luminaires shall only be installed in areas of low mechanical impact risk.

15.2 This equipment may generate an ignition-capable level of electrostatic charge under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which might cause a build up of electrostatic charge on non-conducting surfaces. Additionally, cleaning of the equipment should be done only with a damp cloth.

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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 in the reports listed in Section 14.2.

17 **CONDITIONS OF CERTIFICATION**

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

17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

17.3 The following routine tests shall be performed on each product manufactured:

- The encapsulated parts of the apparatus shall be subjected to a visual inspection. No visible damage of the compound shall be evident, such as cracks, exposure of the encapsulated parts, flaking, impermissible shrinkage, discoloration, swelling decomposition or softening, as required by EN 60079-18:2009 Clause 9.1.
- An electric strength test of 2U +1000 V (where U is the supply voltage) with a minimum of 1500 V ac, shall be applied between circuit and casing for at least 1 minute as required by EN 60079-7:2007, Clause 6.1. No breakdown shall occur.

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Certificate Annexe

Certificate Number: **Sira 12ATEX3217X**

Equipment: **ELA Series LED Linear Luminaire**

Applicant: **Dialight Europe Ltd**

Issue 0

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
SCH001801	1 of 1	A	21 Feb 13	Linear Series Driver
DLC001721	1 to 3	A	22 Feb 13	Certification Drawing UK LED Linear

Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 5	B	10 Jun 13	UK LED Linear Emergency
DLC001721	1 to 3	B	07 Jun 13	Certification Drawing UK LED Linear

Note: The number of sheets associated with Drawing DLC-002221 was amended by Issue 2; this was to correct a typographical error in the original Issue 1.

Issue 2

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 5	C	15 Aug 13	UK LED Linear Emergency

Issue 3

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 6	D	09 Dec 13	Certification Drawing UK LED Linear Emergency

Issue 4

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 6	E	28 Apr 14	Certification Drawing UK LED Linear Emergency

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1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 12ATEX3217X** Issue: **5**

4 Equipment: **ELA Series LED Linear Luminaire**

5 Applicant: **Dialight Europe Ltd**

6 Address: Exning Road
Newmarket
Suffolk CB8 0AX
UK

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

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of 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 EN 60079-7:2007 EN 60079-18:2009 EN 60079-31:2009

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.

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC type-examination certificate relates only to the design and construction of the specified equipment. 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 2 G D
Ex e mb IIC T4 Gb
Ex tb IIIC T135°C Db
Ta = -20°C to +60°C

Project Number 70013953

A C Smith
Certification Manager

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13 **DESCRIPTION OF EQUIPMENT**

The ELA Series LED Linear Luminaires are suitable for fixed installations and are designed for use with an electrical supply of 110 Vac to 250 Vac, 50/60Hz. They comprise an enclosure constructed from stainless steel or steel that has an elliptical cross section. This enclosure is fitted with two end caps that are secured with two, M6 screws; the end caps can have up to two cable entry holes for cable glands that are suitable for the application and ATEX certified by a notified body. There are two sizes of enclosure, a 2 foot version and a 4 foot version, these utilise the following main parts:

2 foot version

- One, polycarbonate optic
- A potted assembly of 28 LEDs that may be supplied in any colour

4 foot version

- Two, polycarbonate optics
- A potted assembly of 56 LEDs that may be supplied in any colour

Each polycarbonate optic is secured using six, M6 screws and they are sealed with a silicone gasket, thus maintaining the IP54/IP64 ratings (as applicable). All fastening screws are fitted with silicone washers.

The potted assemblies incorporate LEDs that that dissipate a maximum of 1.2 W each, these are mounted onto a heat sink along with a potted power supply and one of the following supply terminals:

Manufacturer	Type Ref.	Coded	Certificate Number
Weidmuller	Type BK	Ex e II	Sira 01ATEX3247U IECEx SIR 05.0035U
Weidmuller	Type MK	Ex e II	Sira 01ATEX3249U IECEx SIR 05.0037U
Wago	Type 862	Ex e II	PTB 03ATEX1189U IECEx PTB 05.0003U

It is recognised that, in addition to the IP 64 requirements needed to comply with the certifying standards, the ELA Series LED Linear Luminaires and Emergency variants have been independently tested according to the requirements of EN 60529 to meet IP 66 and IP 67.

Variation 1 - This variation introduced the following changes:

i. 2 foot and 4 foot emergency luminaire versions were introduced to the range. The emergency versions comprise the standard luminaire with the addition of a battery enclosure, secured to the exterior of the standard housing via two metallic couplers and located where the cable entry was previously situated. The battery pack and an isolation switch are fitted within the battery enclosure. The potted driver for the emergency version remains within the standard luminaire housing, although utilises a modified circuit. The type reference and coding applied to the standard version is applicable to the emergency version, hence unchanged, although the label of the emergency version states ‘maintained emergency luminaire’.

ii. An internal pluggable connector was added as an optional replacement to the certified terminal block. This is applicable to both standard and emergency luminaires.

iii. The dust marking stated on the certificate was amended to bring it into line with the intention of EN 60079-0.

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Variation 2 - This variation introduced the following changes:

i. The use of a 3 A protection fuse was allowed as an alternative to the existing 1.5 A fuse fitted within the encapsulated emergency driver; this modification only applies to the Emergency Luminaires.
ii. The product description to be updated with the following statement; "It is recognised that, in addition to the IP 64 requirements needed to comply with the certifying standards, the ELA Series LED Linear Luminaires and Emergency variants have been independently tested according to the requirements of EN 60529 to meet IP 66 and IP 67."

Variation 3 - This variation introduced the following changes:

i. The use of optional, heat shrink tubing over the main compartment and battery compartment was approved.
ii. An alternative 'one piece enclosure model' of the emergency variant where the battery compartment forms part of the main compartment was recognised.

Variation 4 - This variation introduced the following change:

i. Minor modifications to the potted emergency power supply which include:

- Addition of an EMC filter PCB and axial ferrite bead on driver input cable within the potted assembly resulting in extension in the overall length of the driver from 200 mm to 231 mm.
- Addition of a braid to the driver supply cable and pass-thru cable for mechanical protection
- Addition of a snap ferrite to the driver supply cable and battery cable

Variation 5 - This variation introduced the following changes:

i. The introduction of an optional alternative aluminium housing, which may have a powder coating.
ii. The recognition that the aluminium version may use an alternative end cap gasket.
iii. The introduction of an optional safety strap and terminal block sizes for all models was authorised.
iv. The replacement of copper and brass external earth components with stainless steel versions for corrosive environments was approved.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	27 February 2013	R27569A/00	The release of the prime certificate.
1	17 June 2013	R30163A/00	The introduction of Variation 1.
2	28 August 2013	R31557A/00	The introduction of Variation 2.
3	11 December 2013	R32516A/00	The introduction of Variation 3.
4	30 April 2014	R33531A/00	The introduction of Variation 4.
5	30 March 2015	R70013953A	The introduction of Variation 5.

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Web: www.siracertification.com

15 **SPECIAL CONDITIONS FOR SAFE USE** (denoted by X after the certificate number)

15.1 The ELA Series LED Linear Luminaires shall only be installed in areas of low mechanical impact risk.

15.2 This equipment may generate an ignition-capable level of electrostatic charge under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which might cause a build up of electrostatic charge on non-conducting surfaces. Additionally, cleaning of the equipment should be done only 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 in the reports listed in Section 14.2.

17 **CONDITIONS OF CERTIFICATION**

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

17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

17.3 The following routine tests shall be performed on each product manufactured:

- The encapsulated parts of the apparatus shall be subjected to a visual inspection. No visible damage of the compound shall be evident, such as cracks, exposure of the encapsulated parts, flaking, impermissible shrinkage, discoloration, swelling decomposition or softening, as required by EN 60079-18:2009 Clause 9.1.
- An electric strength test of 2U +1000 V (where U is the supply voltage) with a minimum of 1500 V ac, shall be applied between circuit and casing for at least 1 minute as required by EN 60079-7:2007, Clause 6.1. No breakdown shall occur.

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Certificate Annexe

Certificate Number: **Sira 12ATEX3217X**

Equipment: **ELA Series LED Linear Luminaire**

Applicant: **Dialight Europe Ltd**

Issue 0

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
SCH001801	1 of 1	A	21 Feb 13	Linear Series Driver
DLC001721	1 to 3	A	22 Feb 13	Certification Drawing UK LED Linear

Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 5	B	10 Jun 13	UK LED Linear Emergency
DLC001721	1 to 3	B	07 Jun 13	Certification Drawing UK LED Linear

Note: The number of sheets associated with Drawing DLC-002221 was amended by Issue 2; this was to correct a typographical error in the original Issue 1.

Issue 2

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 5	C	15 Aug 13	UK LED Linear Emergency

Issue 3

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 6	D	09 Dec 13	Certification Drawing UK LED Linear Emergency

Issue 4

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 6	E	28 Apr 14	Certification Drawing UK LED Linear Emergency

Issue 5

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-001721	1-6	D	25 Mar 15	Certification Drawing UK LED Linear
DLC-002221	1-8	G	25 Mar 15	Certification Drawing UK LED Linear Emergency

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1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 12ATEX3217X** Issue: **6**

4 Equipment: **ELA Series LED Linear Luminaire**

5 Applicant: **Dialight Europe Ltd**

6 Address: Exning Road
Newmarket
Suffolk CB8 0AX
UK

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

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of 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 EN 60079-7:2007 EN 60079-18:2009 EN 60079-31:2009

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.

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC type-examination certificate relates only to the design and construction of the specified equipment. 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 2 G D
Ex e mb IIC T4 Gb
Ex tb IIIC T135°C Db
Ta = -20°C to +60°C

Project Number 70042410

A C Smith
Certification Manager

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Web: www.csagroupuk.org

SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE **Sira 12ATEX3217X**
Issue 6

13 **DESCRIPTION OF EQUIPMENT**

The ELA Series LED Linear Luminaires are suitable for fixed installations and are designed for use with an electrical supply of 110 Vac to 250 Vac, 50/60Hz. They comprise an enclosure constructed from stainless steel or steel that has an elliptical cross section. This enclosure is fitted with two end caps that are secured with two, M6 screws; the end caps can have up to two cable entry holes for cable glands that are suitable for the application and ATEX certified by a notified body. There are two sizes of enclosure, a 2 foot version and a 4 foot version, these utilise the following main parts:

2 foot version
- One, polycarbonate optic
- A potted assembly of 28 LEDs that may be supplied in any colour

4 foot version
- Two, polycarbonate optics
- A potted assembly of 56 LEDs that may be supplied in any colour

Each polycarbonate optic is secured using six, M6 screws and they are sealed with a silicone gasket, thus maintaining the IP54/IP64 ratings (as applicable). All fastening screws are fitted with silicone washers.

The potted assemblies incorporate LEDs that that dissipate a maximum of 1.2 W each, these are mounted onto a heat sink along with a potted power supply and one of the following supply terminals:

Manufacturer	Type Ref.	Coded	Certificate Number
Weidmuller	Type BK	Ex e II	Sira 01ATEX3247U IECEx SIR 05.0035U
Weidmuller	Type MK	Ex e II	Sira 01ATEX3249U IECEx SIR 05.0037U
Wago	Type 862	Ex e II	PTB 03ATEX1189U IECEx PTB 05.0003U

It is recognised that, in addition to the IP 64 requirements needed to comply with the certifying standards, the ELA Series LED Linear Luminaires and Emergency variants have been independently tested according to the requirements of EN 60529 to meet IP 66 and IP 67.

Variation 1 - This variation introduced the following changes:

i. 2 foot and 4 foot emergency luminaire versions were introduced to the range. The emergency versions comprise the standard luminaire with the addition of a battery enclosure, secured to the exterior of the standard housing via two metallic couplers and located where the cable entry was previously situated. The battery pack and an isolation switch are fitted within the battery enclosure. The potted driver for the emergency version remains within the standard luminaire housing, although utilises a modified circuit. The type reference and coding applied to the standard version is applicable to the emergency version, hence unchanged, although the label of the emergency version states 'maintained emergency luminaire'.

ii. An internal pluggable connector was added as an optional replacement to the certified terminal block. This is applicable to both standard and emergency luminaires.

iii. The dust marking stated on the certificate was amended to bring it into line with the intention of EN 60079-0.

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Email: ukinfo@csagroup.org
Web: www.csagroupuk.org

Variation 2 - This variation introduced the following changes:

i. The use of a 3 A protection fuse was allowed as an alternative to the existing 1.5 A fuse fitted within the encapsulated emergency driver; this modification only applies to the Emergency Luminaires.
ii. The product description to be updated with the following statement; "It is recognised that, in addition to the IP 64 requirements needed to comply with the certifying standards, the ELA Series LED Linear Luminaires and Emergency variants have been independently tested according to the requirements of EN 60529 to meet IP 66 and IP 67."

Variation 3 - This variation introduced the following changes:

i. The use of optional, heat shrink tubing over the main compartment and battery compartment was approved.
ii. An alternative 'one piece enclosure model' of the emergency variant where the battery compartment forms part of the main compartment was recognised.

Variation 4 - This variation introduced the following change:

i. Minor modifications to the potted emergency power supply which include:

- Addition of an EMC filter PCB and axial ferrite bead on driver input cable within the potted assembly resulting in extension in the overall length of the driver from 200 mm to 231 mm.
- Addition of a braid to the driver supply cable and pass-thru cable for mechanical protection
- Addition of a snap ferrite to the driver supply cable and battery cable

Variation 5 - This variation introduced the following changes:

i. The introduction of an optional alternative aluminium housing, which may have a powder coating.
ii. The recognition that the aluminium version may use an alternative end cap gasket.
iii. The introduction of an optional safety strap and terminal block sizes for all models was authorised.
iv. The replacement of copper and brass external earth components with stainless steel versions for corrosive environments was approved.

Variation 6 - This variation introduced the following changes:

i. The introduction of alternative internal pluggable connectors.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	27 February 2013	R27569A/00	The release of the prime certificate.
1	17 June 2013	R30163A/00	The introduction of Variation 1.
2	28 August 2013	R31557A/00	The introduction of Variation 2.
3	11 December 2013	R32516A/00	The introduction of Variation 3.
4	30 April 2014	R33531A/00	The introduction of Variation 4.
5	30 March 2015	R70013953A	The introduction of Variation 5.
6	23 October 2015	R70042410A	The introduction of Variation 6.

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE **Sira 12ATEX3217X**
Issue 6

15 **SPECIAL CONDITIONS FOR SAFE USE** (denoted by X after the certificate number)

15.1 The ELA Series LED Linear Luminaires shall only be installed in areas of low mechanical impact risk.

15.2 This equipment may generate an ignition-capable level of electrostatic charge under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which might cause a build up of electrostatic charge on non-conducting surfaces. Additionally, cleaning of the equipment should be done only 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 in the reports listed in Section 14.2.

17 **CONDITIONS OF CERTIFICATION**

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

17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

17.3 The following routine tests shall be performed on each product manufactured:

- The encapsulated parts of the apparatus shall be subjected to a visual inspection. No visible damage of the compound shall be evident, such as cracks, exposure of the encapsulated parts, flaking, impermissible shrinkage, discoloration, swelling decomposition or softening, as required by EN 60079-18:2009 Clause 9.1.
- An electric strength test of 2U +1000 V (where U is the supply voltage) with a minimum of 1500 V ac, shall be applied between circuit and casing for at least 1 minute as required by EN 60079-7:2007, Clause 6.1. No breakdown shall occur.

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Certificate Annexe

Certificate Number: **Sira 12ATEX3217X**

Equipment: **ELA Series LED Linear Luminaire**

Applicant: **Dialight Europe Ltd**

Issue 0

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
SCH001801	1 of 1	A	21 Feb 13	Linear Series Driver
DLC001721	1 to 3	A	22 Feb 13	Certification Drawing UK LED Linear

Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 5	B	10 Jun 13	UK LED Linear Emergency
DLC001721	1 to 3	B	07 Jun 13	Certification Drawing UK LED Linear

Note: The number of sheets associated with Drawing DLC-002221 was amended by Issue 2; this was to correct a typographical error in the original Issue 1.

Issue 2

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 5	C	15 Aug 13	UK LED Linear Emergency

Issue 3

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 6	D	09 Dec 13	Certification Drawing UK LED Linear Emergency

Issue 4

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 6	E	28 Apr 14	Certification Drawing UK LED Linear Emergency

Issue 5

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-001721	1 to 6	D	25 Mar 15	Certification Drawing UK LED Linear
DLC-002221	1 to 8	G	25 Mar 15	Certification Drawing UK LED Linear Emergency

Issue 6

Drawing	Sheets	Rev.	Date (Sira stamp)	Description
DLC-001721	1 to 6	E	15 Oct 15	Certification Drawing UK LED Linear
DLC-002221	1 to 8	H	15 Oct 15	Certification Drawing UK LED Linear Emergency

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1 **EU-TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 12ATEX3217X** Issue: **7**

4 Equipment: **ELA Series LED Linear Luminaire**

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 Sira Certification Service, notified body number 0518 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of 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 EN 60079-7:2007 EN 60079-18:2009 EN 60079-31:2009

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.

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 EU-Type Examination Certificate relates only to the design and construction of the specified equipment. 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 2 G D
Ex e mb IIC T4 Gb
Ex tb IIIC T135°C Db
Ta = -20°C to +60°C

Project Number 70091179

A G Boyes
Certification Support Officer

Sira Certification Service
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SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE **Sira 12ATEX3217X**
Issue 7

13 **DESCRIPTION OF EQUIPMENT**

The ELA Series LED Linear Luminaires are suitable for fixed installations and are designed for use with an electrical supply of 110 Vac to 250 Vac, 50/60Hz. They comprise an enclosure constructed from stainless steel or steel that has an elliptical cross section. This enclosure is fitted with two end caps that are secured with two, M6 screws; the end caps can have up to two cable entry holes for cable glands that are suitable for the application and ATEX certified by a notified body. There are two sizes of enclosure, a 2 foot version and a 4 foot version, these utilise the following main parts:

2 foot version
- One, polycarbonate optic
- A potted assembly of 28 LEDs that may be supplied in any colour

4 foot version
- Two, polycarbonate optics
- A potted assembly of 56 LEDs that may be supplied in any colour

Each polycarbonate optic is secured using six, M6 screws and they are sealed with a silicone gasket, thus maintaining the IP54/IP64 ratings (as applicable). All fastening screws are fitted with silicone washers.

The potted assemblies incorporate LEDs that that dissipate a maximum of 1.2 W each, these are mounted onto a heat sink along with a potted power supply and one of the following supply terminals:

Manufacturer	Type Ref.	Coded	Certificate Number
Weidmuller	Type BK	Ex e II	Sira 01ATEX3247U IECEx SIR 05.0035U
Weidmuller	Type MK	Ex e II	Sira 01ATEX3249U IECEx SIR 05.0037U
Wago	Type 862	Ex e II	PTB 03ATEX1189U IECEx PTB 05.0003U

It is recognised that, in addition to the IP 64 requirements needed to comply with the certifying standards, the ELA Series LED Linear Luminaires and Emergency variants have been independently tested according to the requirements of EN 60529 to meet IP 66 and IP 67.

Variation 1 - This variation introduced the following changes:

i. 2 foot and 4 foot emergency luminaire versions were introduced to the range. The emergency versions comprise the standard luminaire with the addition of a battery enclosure, secured to the exterior of the standard housing via two metallic couplers and located where the cable entry was previously situated. The battery pack and an isolation switch are fitted within the battery enclosure. The potted driver for the emergency version remains within the standard luminaire housing, although utilises a modified circuit. The type reference and coding applied to the standard version is applicable to the emergency version, hence unchanged, although the label of the emergency version states 'maintained emergency luminaire'.

ii. An internal pluggable connector was added as an optional replacement to the certified terminal block. This is applicable to both standard and emergency luminaires.

iii. The dust marking stated on the certificate was amended to bring it into line with the intention of EN 60079-0.

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Web: www.csagroupuk.org

Variation 2 - This variation introduced the following changes:

i. The use of a 3 A protection fuse was allowed as an alternative to the existing 1.5 A fuse fitted within the encapsulated emergency driver; this modification only applies to the Emergency Luminaires.
ii. The product description to be updated with the following statement; "It is recognised that, in addition to the IP 64 requirements needed to comply with the certifying standards, the ELA Series LED Linear Luminaires and Emergency variants have been independently tested according to the requirements of EN 60529 to meet IP 66 and IP 67."

Variation 3 - This variation introduced the following changes:

i. The use of optional, heat shrink tubing over the main compartment and battery compartment was approved.
ii. An alternative 'one piece enclosure model' of the emergency variant where the battery compartment forms part of the main compartment was recognised.

Variation 4 - This variation introduced the following change:

i. Minor modifications to the potted emergency power supply which include:
   - Addition of an EMC filter PCB and axial ferrite bead on driver input cable within the potted assembly resulting in extension in the overall length of the driver from 200 mm to 231 mm.
   - Addition of a braid to the driver supply cable and pass-thru cable for mechanical protection
   - Addition of a snap ferrite to the driver supply cable and battery cable

Variation 5 - This variation introduced the following changes:

i. The introduction of an optional alternative aluminium housing, which may have a powder coating.
ii. The recognition that the aluminium version may use an alternative end cap gasket.
iii. The introduction of an optional safety strap and terminal block sizes for all models was authorised.
iv. The replacement of copper and brass external earth components with stainless steel versions for corrosive environments was approved.

Variation 6 - This variation introduced the following changes:

i. The introduction of alternative internal pluggable connectors.

Variation 7 - This variation introduced the following change:

i. The Applicant's name and address was changed:

From:	To:
Dialight Europe PLC	Dialight Corporation
Exning Road	1501 Route 34 South
Newmarket	Farmingdale
Suffolk CB8 0AX	New Jersey 07727
UK	USA

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

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Web: www.csagroupuk.org

14.2 **Associated Sira Reports and Certificate History**

Issue	Date	Report number	Comment
0	27 February 2013	R27569A/00	The release of the prime certificate.
1	17 June 2013	R30163A/00	The introduction of Variation 1.
2	28 August 2013	R31557A/00	The introduction of Variation 2.
3	11 December 2013	R32516A/00	The introduction of Variation 3.
4	30 April 2014	R33531A/00	The introduction of Variation 4.
5	30 March 2015	R70013953A	The introduction of Variation 5.
6	23 October 2015	R70042410A	The introduction of Variation 6.
7	08 November 2016	R70091179A	This Issue covers the following changes: • EC Type-Examination Certificate in accordance with 94/9/EC updated to EU Type-Examination Certificate in accordance with Directive 2014/34/EU. *(In accordance with Article 41 of Directive 2014/34/EU, EC Type-Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such EC Type-Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)* • The introduction of Variation 7.

15 **SPECIFIC CONDITIONS OF USE** (denoted by X after the certificate number)

15.1 The ELA Series LED Linear Luminaires shall only be installed in areas of low mechanical impact risk.

15.2 This equipment may generate an ignition-capable level of electrostatic charge under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which might cause a build up of electrostatic charge on non-conducting surfaces. Additionally, cleaning of the equipment should be done only 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 in the 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 EU-Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.

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17.3 The following routine tests shall be performed on each product manufactured:

- The encapsulated parts of the apparatus shall be subjected to a visual inspection. No visible damage of the compound shall be evident, such as cracks, exposure of the encapsulated parts, flaking, impermissible shrinkage, discoloration, swelling decomposition or softening, as required by EN 60079-18:2009 Clause 9.1.
- An electric strength test of 2U +1000 V (where U is the supply voltage) with a minimum of 1500 V ac, shall be applied between circuit and casing for at least 1 minute as required by EN 60079-7:2007, Clause 6.1. No breakdown shall occur.

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Certificate Annexe

Certificate Number: **Sira 12ATEX3217X**

Equipment: **ELA Series LED Linear Luminaire**

Applicant: **Dialight Corporation**

Issue 0

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
SCH001801	1 of 1	A	21 Feb 13	Linear Series Driver
DLC001721	1 to 3	A	22 Feb 13	Certification Drawing UK LED Linear

Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 5	B	10 Jun 13	UK LED Linear Emergency
DLC001721	1 to 3	B	07 Jun 13	Certification Drawing UK LED Linear

Note: The number of sheets associated with Drawing DLC-002221 was amended by Issue 2; this was to correct a typographical error in the original Issue 1.

Issue 2

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 5	C	15 Aug 13	UK LED Linear Emergency

Issue 3

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 6	D	09 Dec 13	Certification Drawing UK LED Linear Emergency

Issue 4

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 6	E	28 Apr 14	Certification Drawing UK LED Linear Emergency

Issue 5

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-001721	1 to 6	D	25 Mar 15	Certification Drawing UK LED Linear
DLC-002221	1 to 8	G	25 Mar 15	Certification Drawing UK LED Linear Emergency

Issue 6

Drawing	Sheets	Rev.	Date (Sira stamp)	Description
DLC-001721	1 to 6	E	15 Oct 15	Certification Drawing UK LED Linear
DLC-002221	1 to 8	H	15 Oct 15	Certification Drawing UK LED Linear Emergency

Issue 7

Drawing	Sheets	Rev.	Date(Sira stamp)	Title
DLC-001721	1 to 6	F	07 Nov 16	Certification Drawing UK LED Linear
DLC-002221	1 to 8	J	02 Nov 16	Certification Drawing UK LED Linear Emergency

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1 **EU-TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 12ATEX3217X** Issue: **8**

4 Equipment: **ELA Series LED Linear Luminaire**

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 Sira Certification Service, notified body number 0518 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of 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 EN 60079-7:2007 EN 60079-18:2009 EN 60079-31:2009

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.

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 EU-Type Examination Certificate relates only to the design and construction of the specified equipment. 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 2 G D
Ex e mb IIC T4 Gb
Ex tb IIIC T135°C Db
Ta = -20°C to +60°C

Project Number 70199404

R A Craig on behalf of C Ellaby
Deputy Certification Manager

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SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE **Sira 12ATEX3217X**
Issue 8

13 **DESCRIPTION OF EQUIPMENT**

The ELA Series LED Linear Luminaires are suitable for fixed installations and are designed for use with an electrical supply of 110 Vac to 250 Vac, 50/60Hz. They comprise an enclosure constructed from stainless steel or steel that has an elliptical cross section. This enclosure is fitted with two end caps that are secured with two, M6 screws; the end caps can have up to two cable entry holes for cable glands that are suitable for the application and ATEX certified by a notified body. There are two sizes of enclosure, a 2 foot version and a 4 foot version, these utilise the following main parts:

2 foot version
- One, polycarbonate optic
- A potted assembly of 28 LEDs that may be supplied in any colour

4 foot version
- Two, polycarbonate optics
- A potted assembly of 56 LEDs that may be supplied in any colour

Each polycarbonate optic is secured using six, M6 screws and they are sealed with a silicone gasket, thus maintaining the IP54/IP64 ratings (as applicable). All fastening screws are fitted with silicone washers.

The potted assemblies incorporate LEDs that that dissipate a maximum of 1.2 W each, these are mounted onto a heat sink along with a potted power supply and one of the following supply terminals:

Manufacturer	Type Ref.	Coded	Certificate Number
Weidmuller	Type BK	Ex e II	Sira 01ATEX3247U IECEx SIR 05.0035U
Weidmuller	Type MK	Ex e II	Sira 01ATEX3249U IECEx SIR 05.0037U
Wago	Type 862	Ex e II	PTB 03ATEX1189U IECEx PTB 05.0003U

It is recognised that, in addition to the IP 64 requirements needed to comply with the certifying standards, the ELA Series LED Linear Luminaires and Emergency variants have been independently tested according to the requirements of EN 60529 to meet IP 66 and IP 67.

Variation 1 - This variation introduced the following changes:

i. 2 foot and 4 foot emergency luminaire versions were introduced to the range. The emergency versions comprise the standard luminaire with the addition of a battery enclosure, secured to the exterior of the standard housing via two metallic couplers and located where the cable entry was previously situated. The battery pack and an isolation switch are fitted within the battery enclosure. The potted driver for the emergency version remains within the standard luminaire housing, although utilises a modified circuit. The type reference and coding applied to the standard version is applicable to the emergency version, hence unchanged, although the label of the emergency version states 'maintained emergency luminaire'.

ii. An internal pluggable connector was added as an optional replacement to the certified terminal block. This is applicable to both standard and emergency luminaires.

iii. The dust marking stated on the certificate was amended to bring it into line with the intention of EN 60079-0.

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SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE **Sira 12ATEX3217X**
Issue 8

Variation 2 - This variation introduced the following changes:

i. The use of a 3 A protection fuse was allowed as an alternative to the existing 1.5 A fuse fitted within the encapsulated emergency driver; this modification only applies to the Emergency Luminaires.
ii. The product description to be updated with the following statement; "It is recognised that, in addition to the IP 64 requirements needed to comply with the certifying standards, the ELA Series LED Linear Luminaires and Emergency variants have been independently tested according to the requirements of EN 60529 to meet IP 66 and IP 67."

Variation 3 - This variation introduced the following changes:

i. The use of optional, heat shrink tubing over the main compartment and battery compartment was approved.
ii. An alternative 'one piece enclosure model' of the emergency variant where the battery compartment forms part of the main compartment was recognised.

Variation 4 - This variation introduced the following change:

i. Minor modifications to the potted emergency power supply which include:
   - Addition of an EMC filter PCB and axial ferrite bead on driver input cable within the potted assembly resulting in extension in the overall length of the driver from 200 mm to 231 mm.
   - Addition of a braid to the driver supply cable and pass-thru cable for mechanical protection
   - Addition of a snap ferrite to the driver supply cable and battery cable

Variation 5 - This variation introduced the following changes:

i. The introduction of an optional alternative aluminium housing, which may have a powder coating.
ii. The recognition that the aluminium version may use an alternative end cap gasket.
iii. The introduction of an optional safety strap and terminal block sizes for all models was authorised.
iv. The replacement of copper and brass external earth components with stainless steel versions for corrosive environments was approved.

Variation 6 - This variation introduced the following changes:

i. The introduction of alternative internal pluggable connectors.

Variation 7 - This variation introduced the following change:

i. The Applicant's name and address was changed:

From:	To:
Dialight Europe PLC	Dialight Corporation
Exning Road	1501 Route 34 South
Newmarket	Farmingdale
Suffolk CB8 0AX	New Jersey 07727
UK	USA

Variation 8 - This variation introduced the following changes:

i. An additional option of supplying the luminaires with a two-phase input with 120° phase angle instead of a single-phase input was introduced for the same supply ratings of 110 Vac to 250 Vac, 50/60Hz.

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14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	27 February 2013	R27569A/00	The release of the prime certificate.
1	17 June 2013	R30163A/00	The introduction of Variation 1.
2	28 August 2013	R31557A/00	The introduction of Variation 2.
3	11 December 2013	R32516A/00	The introduction of Variation 3.
4	30 April 2014	R33531A/00	The introduction of Variation 4.
5	30 March 2015	R70013953A	The introduction of Variation 5.
6	23 October 2015	R70042410A	The introduction of Variation 6.
7	08 November 2016	R70091179A	This Issue covers the following changes: • EC Type-Examination Certificate in accordance with 94/9/EC updated to EU Type-Examination Certificate in accordance with Directive 2014/34/EU. *(In accordance with Article 41 of Directive 2014/34/EU, EC Type-Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such EC Type-Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)* • The introduction of Variation 7.
8	27 November 2018	R70199404A	The introduction of Variation 8.

15 SPECIFIC CONDITIONS OF USE (denoted by X after the certificate number)

15.1 The ELA Series LED Linear Luminaires shall only be installed in areas of low mechanical impact risk.

15.2 This equipment may generate an ignition-capable level of electrostatic charge under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which might cause a build up of electrostatic charge on non-conducting surfaces. Additionally, cleaning of the equipment should be done only 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 in the reports listed in Section 14.2.

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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 EU-Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.

17.3 The following routine tests shall be performed on each product manufactured:

- The encapsulated parts of the apparatus shall be subjected to a visual inspection. No visible damage of the compound shall be evident, such as cracks, exposure of the encapsulated parts, flaking, impermissible shrinkage, discoloration, swelling decomposition or softening, as required by EN 60079-18:2009 Clause 9.1.
- An electric strength test of 2U +1000 V (where U is the supply voltage) with a minimum of 1500 V ac, shall be applied between circuit and casing for at least 1 minute as required by EN 60079-7:2007, Clause 6.1. No breakdown shall occur.

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Email: ukinfo@csagroup.org
Web: www.csagroupuk.org

Certificate Annexe

Certificate Number: **Sira 12ATEX3217X**

Equipment: **ELA Series LED Linear Luminaire**

Applicant: **Dialight Corporation**

Issue 0

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
SCH001801	1 of 1	A	21 Feb 13	Linear Series Driver
DLC001721	1 to 3	A	22 Feb 13	Certification Drawing UK LED Linear

Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 5	B	10 Jun 13	UK LED Linear Emergency
DLC001721	1 to 3	B	07 Jun 13	Certification Drawing UK LED Linear

Note: The number of sheets associated with Drawing DLC-002221 was amended by Issue 2; this was to correct a typographical error in the original Issue 1.

Issue 2

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 5	C	15 Aug 13	UK LED Linear Emergency

Issue 3

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 6	D	09 Dec 13	Certification Drawing UK LED Linear Emergency

Issue 4

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 6	E	28 Apr 14	Certification Drawing UK LED Linear Emergency

Issue 5

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-001721	1 to 6	D	25 Mar 15	Certification Drawing UK LED Linear
DLC-002221	1 to 8	G	25 Mar 15	Certification Drawing UK LED Linear Emergency

Issue 6

Drawing	Sheets	Rev.	Date (Sira stamp)	Description
DLC-001721	1 to 6	E	15 Oct 15	Certification Drawing UK LED Linear
DLC-002221	1 to 8	H	15 Oct 15	Certification Drawing UK LED Linear Emergency

Issue 7

Drawing	Sheets	Rev.	Date(Sira stamp)	Title
DLC-001721	1 to 6	F	07 Nov 16	Certification Drawing UK LED Linear
DLC-002221	1 to 8	J	02 Nov 16	Certification Drawing UK LED Linear Emergency

Issue 8

Drawing	Sheets	Rev.	Date(Sira stamp)	Title
8854-EUL-0001-00	1 to 6	G	16 Nov 18	Certification Drawing UK LED Linear
8854-EUL-0001-01	1 to 8	K	16 Nov 18	Certification Drawing UK LED Linear Emergency

Sira Certification Service
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Hawarden, CH5 3US, United Kingdom
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1 **EU-TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 12ATEX3217X** Issue: **9**

4 Equipment: **ELA Series LED Linear Luminaire and ELEA Variants**

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 Sira Certification Service, notified body number 0518 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of 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 EN 60079-7:2007 EN 60079-18:2009 EN 60079-31:2009

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.

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 EU-Type Examination Certificate relates only to the design and construction of the specified equipment. 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 2 G D
Ex e mb IIC T4 Gb
Ex tb IIIC T135°C Db
Ta = -20°C to +60°C

Project Number 80002817

N Jones
Certification Manager

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13 **DESCRIPTION OF EQUIPMENT**

The ELA Series LED Linear Luminaire and ELEA Variants are suitable for fixed installations and are designed for use with an electrical supply of 110 Vac to 250 Vac, 50/60Hz. They comprise an enclosure constructed from stainless steel or steel that has an elliptical cross section. This enclosure is fitted with two end caps that are secured with two, M6 screws; the end caps can have up to two cable entry holes for cable glands that are suitable for the application and ATEX certified by a notified body. There are two sizes of enclosure, a 2 foot version and a 4 foot version, these utilise the following main parts:

2 foot version
- One, polycarbonate optic
- A potted assembly of 28 LEDs that may be supplied in any colour

4 foot version
- Two, polycarbonate optics
- A potted assembly of 56 LEDs that may be supplied in any colour

Each polycarbonate optic is secured using six, M6 screws and they are sealed with a silicone gasket, thus maintaining the IP54/IP64 ratings (as applicable). All fastening screws are fitted with silicone washers.

The potted assemblies incorporate LEDs that that dissipate a maximum of 1.2 W each, these are mounted onto a heat sink along with a potted power supply and one of the following supply terminals:

Manufacturer	Type Ref.	Coded	Certificate Number
Weidmuller	Type BK	Ex e II	Sira 01ATEX3247U IECEx SIR 05.0035U
Weidmuller	Type MK	Ex e II	Sira 01ATEX3249U IECEx SIR 05.0037U
Wago	Type 862	Ex e II	PTB 03ATEX1189U IECEx PTB 05.0003U

It is recognised that, in addition to the IP 64 requirements needed to comply with the certifying standards, the ELA Series LED Linear Luminaires and Emergency variants have been independently tested according to the requirements of EN 60529 to meet IP 66 and IP 67.

Variation 1 - This variation introduced the following changes:

i. 2 foot and 4 foot emergency luminaire versions were introduced to the range. The emergency versions comprise the standard luminaire with the addition of a battery enclosure, secured to the exterior of the standard housing via two metallic couplers and located where the cable entry was previously situated. The battery pack and an isolation switch are fitted within the battery enclosure. The potted driver for the emergency version remains within the standard luminaire housing, although utilises a modified circuit. The type reference and coding applied to the standard version is applicable to the emergency version, hence unchanged, although the label of the emergency version states 'maintained emergency luminaire'.

ii. An internal pluggable connector was added as an optional replacement to the certified terminal block. This is applicable to both standard and emergency luminaires.

iii. The dust marking stated on the certificate was amended to bring it into line with the intention of EN 60079-0.

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Web: www.csagroupuk.org

Variation 2 - This variation introduced the following changes:

i. The use of a 3 A protection fuse was allowed as an alternative to the existing 1.5 A fuse fitted within the encapsulated emergency driver; this modification only applies to the Emergency Luminaires.
ii. The product description to be updated with the following statement; “It is recognised that, in addition to the IP 64 requirements needed to comply with the certifying standards, the ELA Series LED Linear Luminaires and Emergency variants have been independently tested according to the requirements of EN 60529 to meet IP 66 and IP 67.”

Variation 3 - This variation introduced the following changes:

i. The use of optional, heat shrink tubing over the main compartment and battery compartment was approved.
ii. An alternative 'one piece enclosure model' of the emergency variant where the battery compartment forms part of the main compartment was recognised.

Variation 4 - This variation introduced the following change:

i. Minor modifications to the potted emergency power supply which include:
   - Addition of an EMC filter PCB and axial ferrite bead on driver input cable within the potted assembly resulting in extension in the overall length of the driver from 200 mm to 231 mm.
   - Addition of a braid to the driver supply cable and pass-thru cable for mechanical protection
   - Addition of a snap ferrite to the driver supply cable and battery cable

Variation 5 - This variation introduced the following changes:

i. The introduction of an optional alternative aluminium housing, which may have a powder coating.
ii. The recognition that the aluminium version may use an alternative end cap gasket.
iii. The introduction of an optional safety strap and terminal block sizes for all models was authorised.
iv. The replacement of copper and brass external earth components with stainless steel versions for corrosive environments was approved.

Variation 6 - This variation introduced the following changes:

i. The introduction of alternative internal pluggable connectors.

Variation 7 - This variation introduced the following change:

i. The Applicant’s name and address was changed:

From:	To:
Dialight Europe PLC	Dialight Corporation
Exning Road	1501 Route 34 South
Newmarket	Farmingdale
Suffolk CB8 0AX	New Jersey 07727
UK	USA

Variation 8 - This variation introduced the following changes:

i. An additional option of supplying the luminaires with a two-phase input with 120° phase angle instead of a single-phase input was introduced for the same supply ratings of 110 Vac to 250 Vac, 50/60Hz.

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Web: www.csagroupuk.org

Variation 9 - This variation introduced the following changes:

i. The product name change from "ELA Series LED Linear Luminaire" to "ELA Series LED Linear Luminaire and ELEA Variants". The product description and specific conditions of use were amended accordingly.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	27 February 2013	R27569A/00	The release of the prime certificate.
1	17 June 2013	R30163A/00	The introduction of Variation 1.
2	28 August 2013	R31557A/00	The introduction of Variation 2.
3	11 December 2013	R32516A/00	The introduction of Variation 3.
4	30 April 2014	R33531A/00	The introduction of Variation 4.
5	30 March 2015	R70013953A	The introduction of Variation 5.
6	23 October 2015	R70042410A	The introduction of Variation 6.
7	08 November 2016	R70091179A	This Issue covers the following changes: • EC Type-Examination Certificate in accordance with 94/9/EC updated to EU Type-Examination Certificate in accordance with Directive 2014/34/EU. (In accordance with Article 41 of Directive 2014/34/EU, EC Type-Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such EC Type-Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.) • The introduction of Variation 7.
8	27 November 2018	R70199404A	The introduction of Variation 8.
9	10 June 2019	R80002817A	The introduction of Variation 9.

15 SPECIFIC CONDITIONS OF USE (denoted by X after the certificate number)

15.1 The ELA Series LED Linear Luminaire and ELEA Variants shall only be installed in areas of low mechanical impact risk.

15.2 This equipment may generate an ignition-capable level of electrostatic charge under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which might cause a build up of electrostatic charge on non-conducting surfaces. Additionally, cleaning of the equipment should be done only with a damp cloth.

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SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE **Sira 12ATEX3217X**
Issue 9

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 in the 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 EU-Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.

17.3 The following routine tests shall be performed on each product manufactured:

- The encapsulated parts of the apparatus shall be subjected to a visual inspection. No visible damage of the compound shall be evident, such as cracks, exposure of the encapsulated parts, flaking, impermissible shrinkage, discoloration, swelling decomposition or softening, as required by EN 60079-18:2009 Clause 9.1.
- An electric strength test of 2U +1000 V (where U is the supply voltage) with a minimum of 1500 V ac, shall be applied between circuit and casing for at least 1 minute as required by EN 60079-7:2007, Clause 6.1. No breakdown shall occur.

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Web: www.csagroupuk.org

Certificate Annexe

Certificate Number: **Sira 12ATEX3217X**

Equipment: **ELA Series LED Linear Luminaire and ELEA Variants**

Applicant: **Dialight Corporation**

Issue 0

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
SCH001801	1 of 1	A	21 Feb 13	Linear Series Driver
DLC001721	1 to 3	A	22 Feb 13	Certification Drawing UK LED Linear

Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 5	B	10 Jun 13	UK LED Linear Emergency
DLC001721	1 to 3	B	07 Jun 13	Certification Drawing UK LED Linear

Note: The number of sheets associated with Drawing DLC-002221 was amended by Issue 2; this was to correct a typographical error in the original Issue 1.

Issue 2

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 5	C	15 Aug 13	UK LED Linear Emergency

Issue 3

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 6	D	09 Dec 13	Certification Drawing UK LED Linear Emergency

Issue 4

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 6	E	28 Apr 14	Certification Drawing UK LED Linear Emergency

Issue 5

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-001721	1 to 6	D	25 Mar 15	Certification Drawing UK LED Linear
DLC-002221	1 to 8	G	25 Mar 15	Certification Drawing UK LED Linear Emergency

Issue 6

Drawing	Sheets	Rev.	Date (Sira stamp)	Description
DLC-001721	1 to 6	E	15 Oct 15	Certification Drawing UK LED Linear
DLC-002221	1 to 8	H	15 Oct 15	Certification Drawing UK LED Linear Emergency

Issue 7

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-001721	1 to 6	F	07 Nov 16	Certification Drawing UK LED Linear
DLC-002221	1 to 8	J	02 Nov 16	Certification Drawing UK LED Linear Emergency

Issue 8

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
8854-EUL-0001-00	1 to 6	G	16 Nov 18	Certification Drawing UK LED Linear
8854-EUL-0001-01	1 to 8	K	16 Nov 18	Certification Drawing UK LED Linear Emergency

Issue 9 – No new drawings were introduced.

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Web: www.csagroupuk.org

1 **EU-TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 12ATEX3217X** Issue: **10**

4 Equipment: **ELA Series LED Linear Luminaire and ELEA Variants**

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., notified body number 2813 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of 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 EN 60079-7:2007 EN 60079-18:2009 EN 60079-31:2009

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 EU-Type Examination Certificate relates only to the design and construction of the specified equipment. 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 2 G D
Ex e mb IIC T4 Gb
Ex tb IIIC T135°C Db
Ta = -20°C to +60°C

Project Number 1125

Signed:

Title: Director of Operations

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

SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE **Sira 12ATEX3217X**
Issue 10

13 **DESCRIPTION OF EQUIPMENT**

The ELA Series LED Linear Luminaires are suitable for fixed installations and are designed for use with an electrical supply of 110 Vac to 250 Vac, 50/60Hz. They comprise an enclosure constructed from stainless steel or steel that has an elliptical cross section. This enclosure is fitted with two end caps that are secured with two, M6 screws; the end caps can have up to two cable entry holes for cable glands that are suitable for the application and ATEX certified by a notified body. There are two sizes of enclosure, a 2 foot version and a 4 foot version, these utilise the following main parts:

2 foot version
- One, polycarbonate optic
- A potted assembly of 28 LEDs that may be supplied in any colour

4 foot version
- Two, polycarbonate optics
- A potted assembly of 56 LEDs that may be supplied in any colour

Each polycarbonate optic is secured using six, M6 screws and they are sealed with a silicone gasket, thus maintaining the IP54/IP64 ratings (as applicable). All fastening screws are fitted with silicone washers.

The potted assemblies orporate LEDs that that dissipate a maximum of 1.2 W each, these are mounted onto a heat sink along with a potted power supply and one of the following supply terminals:

Manufacturer	Type Ref.	Coded	Certificate Number
Weidmuller	Type BK	Ex e II	Sira 01ATEX3247U IECEx SIR 05.0035U
Weidmuller	Type MK	Ex e II	Sira 01ATEX3249U IECEx SIR 05.0037U
Wago	Type 862	Ex e II	PTB 03ATEX1189U IECEx PTB 05.0003U

It is recognised that, in addition to the IP 64 requirements needed to comply with the certifying standards, the ELA Series LED Linear Luminaires and Emergency variants have been independently tested according to the requirements of EN 60529 to meet IP 66 and IP 67.

Variation 1 - This variation introduced the following changes:

i. 2 foot and 4 foot emergency luminaire versions were introduced to the range. The emergency versions comprise the standard luminaire with the addition of a battery enclosure, secured to the exterior of the standard housing via two metallic couplers and located where the cable entry was previously situated. The battery pack and an isolation switch are fitted within the battery enclosure. The potted driver for the emergency version remains within the standard luminaire housing, although utilises a modified circuit. The type reference and coding applied to the standard version is applicable to the emergency version, hence unchanged, although the label of the emergency version states 'maintained emergency luminaire'.

ii. An internal pluggable connector was added as an optional replacement to the certified terminal block. This is applicable to both standard and emergency luminaires.

iii. The dust marking stated on the certificate was amended to bring it into line with the intention of EN 60079-0.

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

Variation 2 - This variation introduced the following changes:

i. The use of a 3 A protection fuse was allowed as an alternative to the existing 1.5 A fuse fitted within the encapsulated emergency driver; this modification only applies to the Emergency Luminaires.
ii. The product description to be updated with the following statement; "It is recognised that, in addition to the IP 64 requirements needed to comply with the certifying standards, the ELA Series LED Linear Luminaires and Emergency variants have been independently tested according to the requirements of EN 60529 to meet IP 66 and IP 67."

Variation 3 - This variation introduced the following changes:

i. The use of optional, heat shrink tubing over the main compartment and battery compartment was approved.
ii. An alternative 'one piece enclosure model' of the emergency variant where the battery compartment forms part of the main compartment was recognised.

Variation 4 - This variation introduced the following change:

i. Minor modifications to the potted emergency power supply which include:
   - Addition of an EMC filter PCB and axial ferrite bead on driver input cable within the potted assembly resulting in extension in the overall length of the driver from 200 mm to 231 mm.
   - Addition of a braid to the driver supply cable and pass-thru cable for mechanical protection
   - Addition of a snap ferrite to the driver supply cable and battery cable

Variation 5 - This variation introduced the following changes:

i. The introduction of an optional alternative aluminium housing, which may have a powder coating.
ii. The recognition that the aluminium version may use an alternative end cap gasket.
iii. The introduction of an optional safety strap and terminal block sizes for all models was authorised.
iv. The replacement of copper and brass external earth components with stainless steel versions for corrosive environments was approved.

Variation 6 - This variation introduced the following changes:

i. The introduction of alternative internal pluggable connectors.

Variation 7 - This variation introduced the following change:

i. The Applicant's name and address was changed:

From:	To:
Dialight Europe PLC	Dialight Corporation
Exning Road	1501 Route 34 South
Newmarket	Farmingdale
Suffolk CB8 0AX	New Jersey 07727
UK	USA

Variation 8 - This variation introduced the following changes:

i. An additional option of supplying the luminaires with a two-phase input with 120° phase angle instead of a single-phase input was introduced for the same supply ratings of 110 Vac to 250 Vac, 50/60Hz.

SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE **Sira 12ATEX3217X**
Issue 10

Variation 9 - This variation introduced the following changes:

i. The product name change from "ELA Series LED Linear Luminaire" to "ELA Series LED Linear Luminaire and ELEA Variants". The product description and specific conditions of use were amended accordingly.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	27 February 2013	R27569A/00	The release of the prime certificate.
1	17 June 2013	R30163A/00	The introduction of Variation 1.
2	28 August 2013	R31557A/00	The introduction of Variation 2.
3	11 December 2013	R32516A/00	The introduction of Variation 3.
4	30 April 2014	R33531A/00	The introduction of Variation 4.
5	30 March 2015	R70013953A	The introduction of Variation 5.
6	23 October 2015	R70042410A	The introduction of Variation 6.
7	08 November 2016	R70091179A	This Issue covers the following changes: • EC Type-Examination Certificate in accordance with 94/9/EC updated to EU Type-Examination Certificate in accordance with Directive 2014/34/EU. *(In accordance with Article 41 of Directive 2014/34/EU, EC Type-Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such EC Type-Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)* • The introduction of Variation 7.
8	27 November 2018	R70199404A	The introduction of Variation 8.
9	10 June 2019	R80002817A	The introduction of Variation 9.
10	15 October 2019	1125	• Transfer of certificate Sira 12ATEX3217X from Sira Certification Service to CSA Group Netherlands B.V.

15 SPECIFIC CONDITIONS OF USE (denoted by X after the certificate number)

15.1 The ELA Series LED Linear Luminaire and ELEA Variants shall only be installed in areas of low mechanical impact risk.

15.2 This equipment may generate an ignition-capable level of electrostatic charge under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which might cause a build up of electrostatic charge on non-conducting surfaces. Additionally, cleaning of the equipment should be done only with a damp cloth.

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6812 AR, Arnhem Netherlands

SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE **Sira 12ATEX3217X**
Issue 10

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 in the reports listed in Section 14.2.

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

Certificate Annexe

Certificate Number: **Sira 12ATEX3217X**

Equipment: **ELA Series LED Linear Luminaire and ELEA Variants**

Applicant: **Dialight Corporation**

Issue 0

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
SCH001801	1 of 1	A	21 Feb 13	Linear Series Driver
DLC001721	1 to 3	A	22 Feb 13	Certification Drawing UK LED Linear

Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 5	B	10 Jun 13	UK LED Linear Emergency
DLC001721	1 to 3	B	07 Jun 13	Certification Drawing UK LED Linear

Note: The number of sheets associated with Drawing DLC-002221 was amended by Issue 2; this was to correct a typographical error in the original Issue 1.

Issue 2

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 5	C	15 Aug 13	UK LED Linear Emergency

Issue 3

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 6	D	09 Dec 13	Certification Drawing UK LED Linear Emergency

Issue 4

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-002221	1 to 6	E	28 Apr 14	Certification Drawing UK LED Linear Emergency

Issue 5

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
DLC-001721	1 to 6	D	25 Mar 15	Certification Drawing UK LED Linear
DLC-002221	1 to 8	G	25 Mar 15	Certification Drawing UK LED Linear Emergency

Issue 6

Drawing	Sheets	Rev.	Date (Sira stamp)	Description
DLC-001721	1 to 6	E	15 Oct 15	Certification Drawing UK LED Linear
DLC-002221	1 to 8	H	15 Oct 15	Certification Drawing UK LED Linear Emergency

Issue 7

Drawing	Sheets	Rev.	Date(Sira stamp)	Title
DLC-001721	1 to 6	F	07 Nov 16	Certification Drawing UK LED Linear
DLC-002221	1 to 8	J	02 Nov 16	Certification Drawing UK LED Linear Emergency

Issue 8

Drawing	Sheets	Rev.	Date(Sira stamp)	Title
8854-EUL-0001-00	1 to 6	G	16 Nov 18	Certification Drawing UK LED Linear
8854-EUL-0001-01	1 to 8	K	16 Nov 18	Certification Drawing UK LED Linear Emergency

Issue 9 – No new drawings were introduced.

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