

THORN

LIGHTING

EROA

HOW TO SPEC GUIDE

EROA SI

HOW TO SPECIFY GUIDE

1. MOUNTING

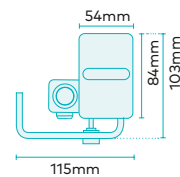
Cable retention clips are supplied as standard with Eroa Si:

- 300 mm Eroa Si: 1 x cable retention clip
- 600 mm Eroa Si: 1 x cable retention clip
- 900 mm Eroa Si: 2 x cable retention clips
- 1200 mm Eroa Si: 3 x cable retention clips

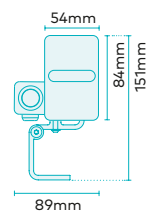
Please select correct Eroa mounting brackets to suit your application.

1 x set of 2 brackets required for each Eroa Si luminaire.

STANDARD BRACKETS EROA SI	CODE	DESCRIPTION
Standard bracket 15 degree tilt. Silver. Set of 2.	21100322	ER SI SX STD BRACKET 2053/SI
Standard bracket 15 degree tilt. Black. Set of 2.	21100323	ER SI SX STD BRACKET 2053/BK

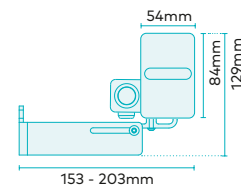


EROA Si
Standard bracket



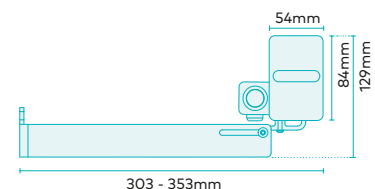
EROA Si
Adjustable bracket

ADJUSTABLE BRACKETS EROA SI	CODE	DESCRIPTION
Surface mount bracket fully adjustable. Silver. Set of 2.	21100324	ER SI SX SURFACE BRACKET 2054/SI
Surface mount bracket fully adjustable. Black. Set of 2.	21100325	ER SI SX SURFACE BRACKET 2054/BK



EROA Si
Long-arm bracket: 150mm

LONG ARM BRACKETS EROA SI	CODE	DESCRIPTION
150 mm fully adjustable bracket. Silver. Set of 2.	21100326	ER SI SX LONG ARM 150MM 2055/SI
150 mm fully adjustable bracket. Black. Set of 2.	21100327	ER SI SX LONG ARM 150MM 2055/BK
300 mm fully adjustable bracket. Silver. Set of 2.	21100328	ER SI SX LONG ARM 300MM 2056/SI
300 mm fully adjustable bracket. Black. Set of 2.	21100329	ER SI SX LONG ARM 300MM 2056/BK



EROA Si
Long-arm bracket: 300mm

EROA SI

HOW TO SPECIFY GUIDE

All electrical cabling required must be ordered separately to the Eroa luminaires to suit the application.

Eroa Si is designed with ease of installation in mind, via a plug and play connector solution.

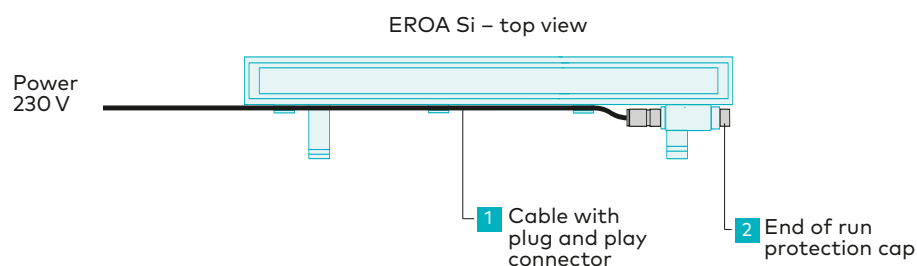
2. STARTER LEAD KIT

Eroa Si requires a starter lead to connect 230 V power supply into the luminaire's on-board driver. A starter lead is required for both single luminaire installations and as the start of a linear run of several Eroa Si luminaires. Starter lead kits include end of run protection cap to seal luminaire connector at the end of the linear run.

STARTER KIT EROA Si

Cable with plug & play connector and end of run protection cap. 2 m or 10 m cable.
HF = 3 pole HFX = 5 pole DMX = 6 pole.

CODE	DESCRIPTION
21100458	EROA STARTER KIT 2061A/2M HF
21100459	EROA STARTER KIT 2062A/2M HFX
21100460	EROA STARTER KIT 2063A/2M DMX
21100461	EROA STARTER KIT 2061A/10M HF
21100462	EROA STARTER KIT 2062A/10M HFX
21100463	EROA STARTER KIT 2063A/10M DMX



EROA Si

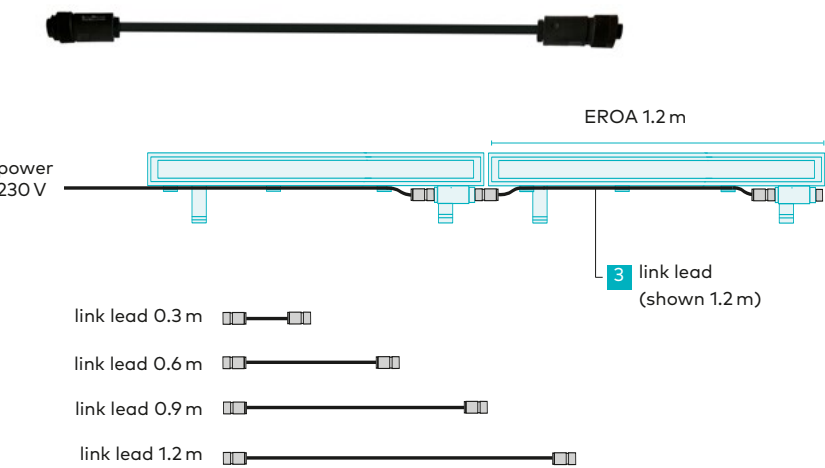
HOW TO SPECIFY GUIDE

3. LINK LEAD

When installing a linear run of Eroa Si luminaires from a single power feed, link leads are required to connect power to each luminaire.

If application requires products to be installed end to end in a continuous run, the link lead specified should match the length of the luminaires used.

LINK LEAD EROA Si	
Plug and play connector on each end of cable. 350 mm, 650 mm, 950 mm and 1250 mm link cables. HF = 3 pole cable HFX = 5 pole DMX = 6 pole	
CODE	DESCRIPTION
21100464	EROA LINK LEAD 2067A/0.3M HF
21100464	EROA LINK LEAD 2067A/0.3M HF
21100465	EROA LINK LEAD 2067A/0.6M HF
21100466	EROA LINK LEAD 2067A/0.9M HF
21100467	EROA LINK LEAD 2067A/1.2M HF
21100468	EROA LINK LEAD 2068A/0.3M HFX
21100469	EROA LINK LEAD 2068A/0.6M HFX
21100470	EROA LINK LEAD 2068A/0.9M HFX
21100471	EROA LINK LEAD 2068A/1.2M HFX
21100472	EROA LINK LEAD 2069A/0.3M DMX
21100473	EROA LINK LEAD 2069A/0.6M DMX
21100474	EROA LINK LEAD 2069A/0.9M DMX
21100475	EROA LINK LEAD 2069A/1.2M DMX



EROA Si

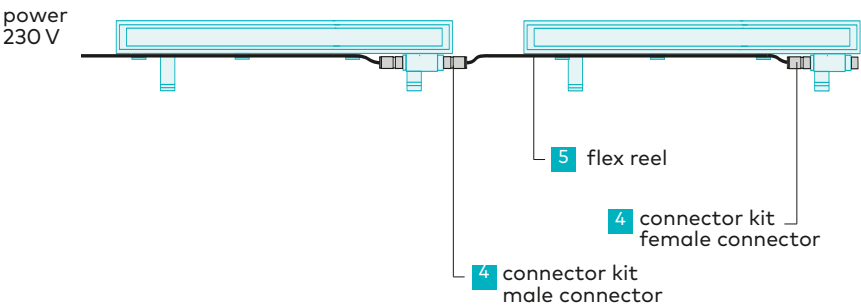
HOW TO SPECIFY GUIDE

If application requires products to be installed with a gap in between luminaires, please specify link lead longer than the length of luminaires installed or connector kit + flex reel to customize link lead lengths on site to suit specific demands of your installation.

CONNECTOR KIT – EROA Si	
Connector kit for making custom leads in the field.	
CODE	DESCRIPTION
21100457	EROA CONNECTOR KIT 2087A



FLEX REEL – EROA Si / LRI	
20 m Flex Reel. HF = 3 pole HFX = 5 pole DMX = 6 pole. 1 x Through Wire Connector.	
CODE	DESCRIPTION
21100319	ER LRI FLEX REEL 2065/20M HF
21100320	ER LRI FLEX REEL 2064/20M HFX
21100321	ER LRI FLEX REEL 2066/20M DMX



4. WIRING INFORMATION

Maximum number of Eroa Si linear metres which can be powered from a starter lead kit:

Switched single colour	20 m
Dali (HFX) single colour	20 m
DMX single colour	14 m
DMX RGBW	14 m
Dali RGBW	14 m

EROA LRI

HOW TO SPECIFY GUIDE

1. MOUNTING

Ground sleeve mounting and associated end caps must be ordered separately to suit the demands of the application.

i. IN-GROUND SLEEVE

Every Eroa LRI luminaire requires an in-ground mounting sleeve, which is supplied as standard with detail to allow for drainage.

Select the in-ground mounting sleeve to match the length of the Eroa LRI luminaire.

CODE	DESCRIPTION
21100438	ER LRI GROUND SLEEVE 2060/300
21100330	ER LRI GROUND SLEEVE 2060/600
21100331	ER LRI GROUND SLEEVE 2060/900
21100332	ER LRI GROUND SLEEVE 2060/1200
21100333	ER LRI GROUND SLEEVE 2060/2400



ii. SLEEVE END CAPS

Every Eroa LRI ground sleeve must be ordered with mounting sleeve end caps.

Each mounting sleeve end cap includes an optional knock-out as standard to allow for cables to pass through where required.

SLEEVE END CAPS – EROA LRI	CODE	DESCRIPTION
End caps for sleeve x2	21100334	ER LRI SLEEVE END CAP KIT 2059



EROA LRI

HOW TO SPECIFY GUIDE

iii. FLANGE END CAPS

Every Eroa LRI installation requires flange end caps to finish both ends of a linear run.

If linear run includes 1 x Eroa LRI luminaire,
1 x 21100335 flange end cap kit silver or
1 x 21100336 flange end cap kit black is required.

If linear run includes several Eroa LRI luminaire,
1 x 21100335 flange end cap kit silver or
1 x 21100336 flange end cap kit black is required.

FLANGED END CAPS – EROA LRI	CODE	DESCRIPTION
Standard flanged end caps x2. Silver	21100335	ER LRI FLANGED END CAP 2070/AS
Standard flanged end caps x2. Black	21100336	ER LRI FLANGED END CAP 2070/BK



Optional
below

If security of the installation in the application is required, please specify anti-tamper end caps which lock the luminaire in position and can only be removed with the use of tools.

ANTI-TAMPER SECURE END CAPS – EROA LRI	CODE	DESCRIPTION
Secure end caps x2. Silver	21100337	ER LRI SECURE END CAP 2071/AS
Secure end caps x2. Black	21100338	ER LRI SECURE END CAP 2071/BK



If security of the installation in the application is required, and the installation includes several Eroa LRI in a continuous linear run, please specify anti-tamper joining kit to install at each luminaire join which locks the luminaire in position and can only be removed with the use of tools.

ANTI TAMPER JOINING KIT – EROA LRI	CODE	DESCRIPTION
Used in between EROA LRI	21100339	ER LRI JOINING KIT 2072

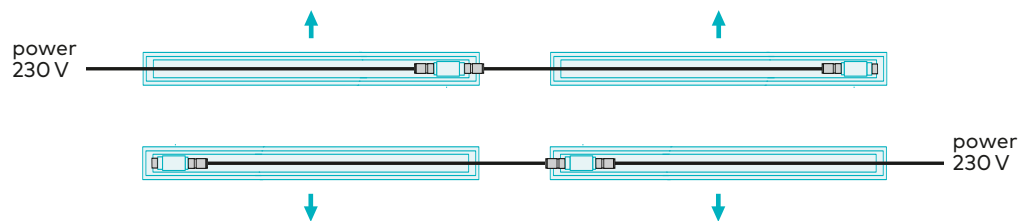
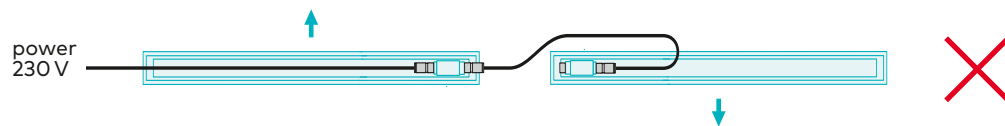
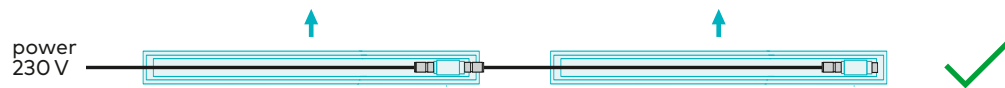


EROA LRI

HOW TO SPECIFY GUIDE

iv. CABLE ORIENTATION

Products with 5° tilt must all have the same orientation to avoid cabling issues.



To achieve two different product orientations, use two separate power supplies.

EROA LRI

HOW TO SPECIFY GUIDE

ALL ELECTRICAL CABLING REQUIRED MUST BE ORDERED SEPARATELY TO THE EROA LUMINARIES TO SUIT THE APPLICATION.

Eroa LRI is designed with ease of installation in mind, via a plug and play connector solution.

2. STARTER LEAD KIT

Eroa LRI requires a starter lead to connect 230 V power supply into the luminaire's on-board driver. A starter lead is required for both single luminaire installations and as the start of a linear run of several Eroa LRI luminaires

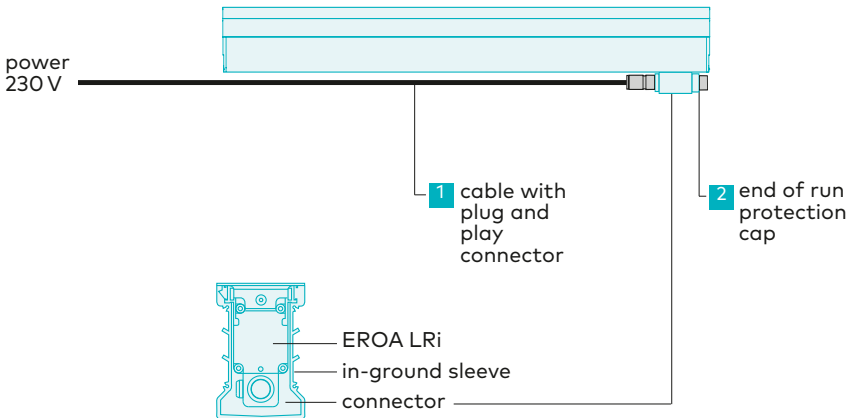
Starter lead kits, include end of run protection cap to seal luminaire connector at the end of the linear run.

STARTER KIT EROA LRI

Cable with plug & play connector and end of run protection cap. 2 m or 10 m cable.
HF = 3 pole HFX = 5 pole DMX = 6 pole.



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21100461	EROA STARTER KIT 2061A/10M HF
21100462	EROA STARTER KIT 2062A/10M HFX
21100463	EROA STARTER KIT 2063A/10M DMX



EROA LRI

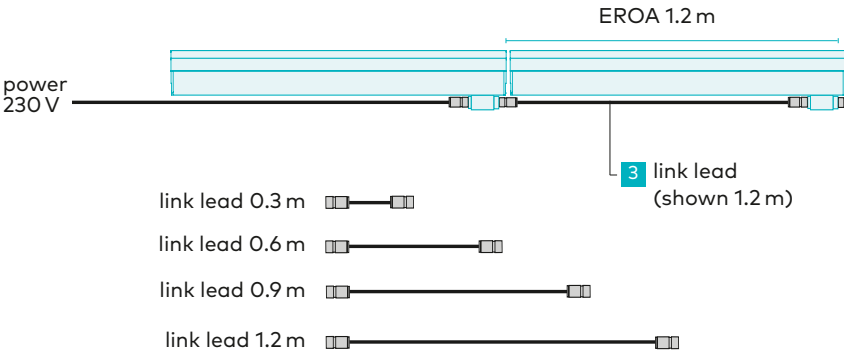
HOW TO SPECIFY GUIDE

3. LINK LEAD

When installing a linear run of Eroa LRI luminaires from a single power feed, link leads are required to connect power to each luminaire.

If application requires products to be installed end to end in a continuous run, the link lead specified should match the length of the luminaires used.

LINK LEAD EROA LRI	
Plug and play connector on each end of cable. 350 mm, 650 mm, 950 mm and 1250 mm link cables. HF = 3 pole cable HFX = 5 pole DMX = 6 pole	
CODE	DESCRIPTION
21100464	EROA LINK LEAD 2067A/0.3M HF
21100464	EROA LINK LEAD 2067A/0.3M HF
21100465	EROA LINK LEAD 2067A/0.6M HF
21100466	EROA LINK LEAD 2067A/0.9M HF
21100467	EROA LINK LEAD 2067A/1.2M HF
21100468	EROA LINK LEAD 2068A/0.3M HFX
21100469	EROA LINK LEAD 2068A/0.6M HFX
21100470	EROA LINK LEAD 2068A/0.9M HFX
21100471	EROA LINK LEAD 2068A/1.2M HFX
21100472	EROA LINK LEAD 2069A/0.3M DMX
21100473	EROA LINK LEAD 2069A/0.6M DMX
21100474	EROA LINK LEAD 2069A/0.9M DMX
21100475	EROA LINK LEAD 2069A/1.2M DMX



EROA LRI

HOW TO SPECIFY GUIDE

If application requires products to be installed with a gap in between luminaires, please specify link lead longer than the length of luminaires installed or connector kit + flex reel to customize link lead lengths on site to suit specific demands of your installation.

CONNECTOR KIT – EROA LRI

Connector kit for making custom leads in the field.

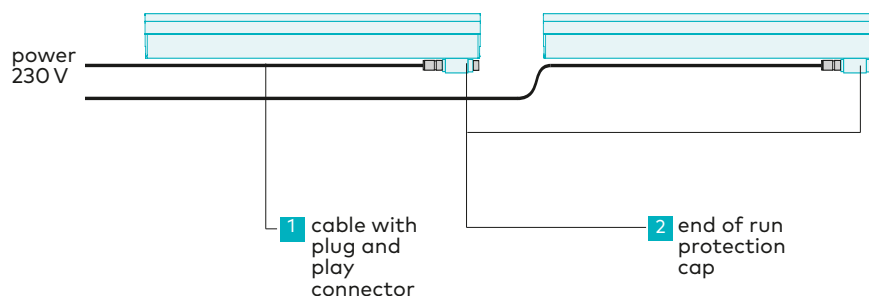
CODE	DESCRIPTION
21100457	EROA CONNECTOR KIT 2087A



FLEX REEL – EROA Si / LRI

20 m Flex Reel. HF = 3 pole HFX = 5 pole DMX = 6 pole.
1 x Through Wire Connector.

CODE	DESCRIPTION
21100319	ER LRI FLEX REEL 2065/20M HF
21100320	ER LRI FLEX REEL 2064/20M HFX
21100321	ER LRI FLEX REEL 2066/20M DMX



4. WIRING INFORMATION

Maximum number of Eroa LRI linear metres which can be powered from a starter lead kit:

Switched single colour	20 m
Dali (HFX) single colour	20 m
DMX single colour	14 m
DMX RGBW	14 m
Dali RGBW	14 m

EROA SX

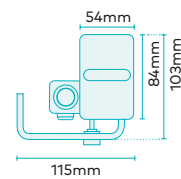
HOW TO SPECIFY GUIDE

1. MOUNTING

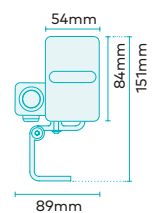
Please select correct Eroa mounting brackets to suit your application.

1 x set of 2 brackets required for each Eroa Sx luminaire.

STANDARD BRACKETS EROA Sx	CODE	DESCRIPTION
Standard bracket 15 degree tilt. Silver. Set of 2.	21100322	ER SI SX STD BRACKET 2053/SI
Standard bracket 15 degree tilt. Black. Set of 2.	21100323	ER SI SX STD BRACKET 2053/BK

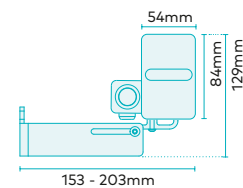


EROA Si
Standard bracket



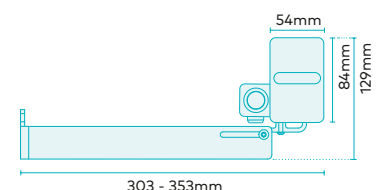
EROA Si
Adjustable bracket

ADJUSTABLE BRACKETS EROA Sx	CODE	DESCRIPTION
Surface mount bracket fully adjustable. Silver. Set of 2.	21100324	ER SI SX SURFACE BRACKET 2054/SI
Surface mount bracket fully adjustable. Black. Set of 2.	21100325	ER SI SX SURFACE BRACKET 2054/BK



EROA Si
Long-arm bracket: 150mm

LONG ARM BRACKETS EROA Sx	CODE	DESCRIPTION
150mm fully adjustable bracket. Silver. Set of 2.	21100326	ER SI SX LONG ARM 150MM 2055/SI
150mm fully adjustable bracket. Black. Set of 2.	21100327	ER SI SX LONG ARM 150MM 2055/BK
300mm fully adjustable bracket. Silver. Set of 2.	21100328	ER SI SX LONG ARM 300MM 2056/SI
300mm fully adjustable bracket. Black. Set of 2.	21100329	ER SI SX LONG ARM 300MM 2056/BK



EROA Si
Long-arm bracket: 300mm

EROA SX

HOW TO SPECIFY GUIDE

2. DRIVER SPECIFICATION

Please order Eroa Sx power supplies and drivers separately to suit your application.

- Eroa single colour white = Constant Voltage
- Eroa RGBW = Constant Current

Eroa Sx is pre-wired with 2 m PVC cables:

- 2 core cable for Eroa single colour white
- 8 core cable for Eroa RGBW

DRIVER OPTIONS – EROA SX															
PROTOCOL	TYPE	OUTPUT	SAP	DRIVER PART CODE		MAX WATTS	CUR-RENT	CIRCUIT BREAKAGE OPTIONS							
								B10	B13	B16	B20	C10	C13	C16	C20
1. Single colour	Non-dim	SB, EB	21100355	DRIVER 1900/CV24/320W/HF	SAP code includes 24 V 320 W non-dim power supply										
	DALI	SB, EB	21100356	DRIVER 1900/CV24/320W/HFX	SAP code includes 24 V 320 W non-dim power supply + Dali (HFX) driver	320 W	13.3 A	1	1	1	1	1	1	2	2
	DMX	SB, EB	21100357	DRIVER 1900/CV24/320W/DMX	SAP code includes 24 V 320 W non-dim power supply + DMX driver										
2. RGBW	DALI	RGBW	21905300	DRIVER 1900/E100/550-650/DALI/RGBW/IP2	SAP code includes Dali (HFX) driver										
	RGBW	RGBW	21904626	DRIVER 1900/E100/550-650/DMX/RGBW/IP20	SAP code includes DMX driver	100 W	550 mA	5	6	8	10	8	10	13	16

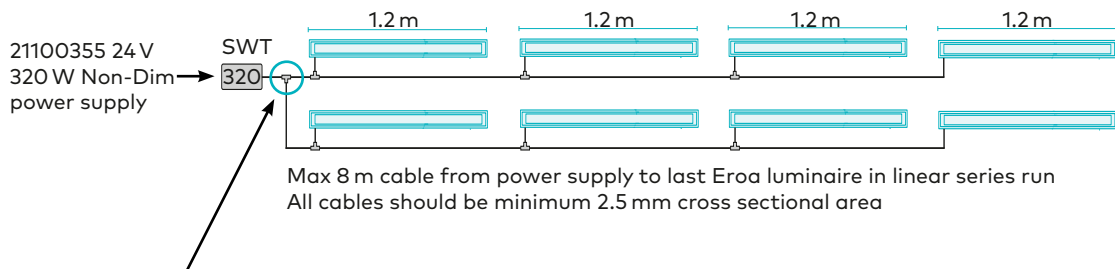
SIZE	STANDARD BRIGHT	EXTRA BRIGHT
300 mm	450 lm / 10 W	1200 lm / 22 W
600 mm	900 lm / 20 W	2400 lm / 44 W
900 mm	1400 lm / 30 W	3800 lm / 66 W
1200 mm	1900 lm / 39 W	5000 lm / 88 W

EROA SX

HOW TO SPECIFY GUIDE

3. DRIVER CONFIGURATIONS

Single colour white Non-Dim standard bright



OPTIONAL INSTALLATION ACCESSORY

To achieve series run in parallel for system optimisation

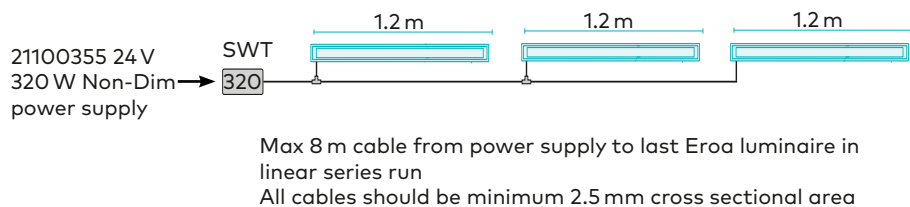
TEE PIECE CONNECTOR – EROA Sx

For single colour

CODE	DESCRIPTION
21100354	ER SX 3 POLE TEE PIECE 2074



Single colour white Non-Dim extra bright



70 W and 150 W 24 V non-dim power supplies are also available:

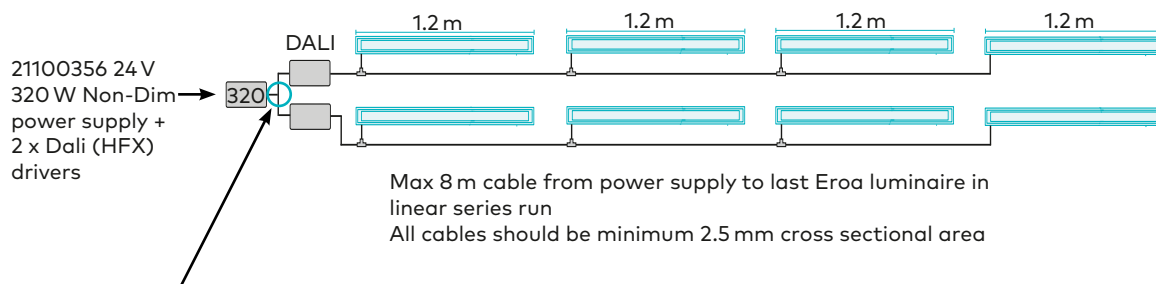
CODE	DESCRIPTION
21903619	DRIVER 1900/CV24/70W/HF
21903620	DRIVER 1900/CV24/175W/HF

EROA SX

HOW TO SPECIFY GUIDE

3. DRIVER CONFIGURATIONS

Single colour white Dali (HFX) standard bright



OPTIONAL INSTALLATION ACCESSORY

To achieve series run in parallel for system optimisation

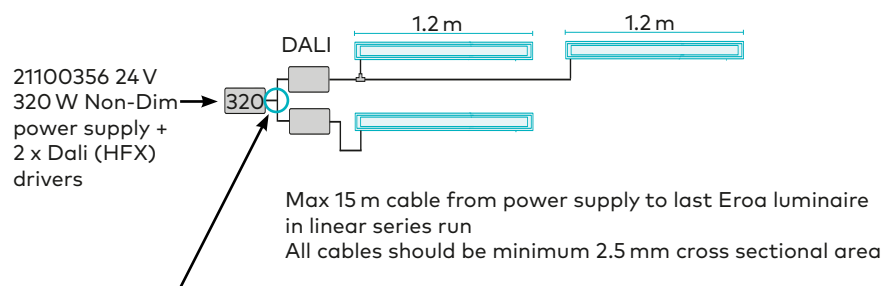
TEE PIECE CONNECTOR – EROA Sx

For single colour

CODE	DESCRIPTION
21100354	ER SX 3 POLE TEE PIECE 2074



Single colour white Dali (HFX) extra bright



OPTIONAL INSTALLATION ACCESSORY

To achieve series run in parallel for system optimisation

TEE PIECE CONNECTOR – EROA Sx

For single colour

CODE	DESCRIPTION
21100354	ER SX 3 POLE TEE PIECE 2074



70 W and 150 W 24 V non-dim power supplies are also available:

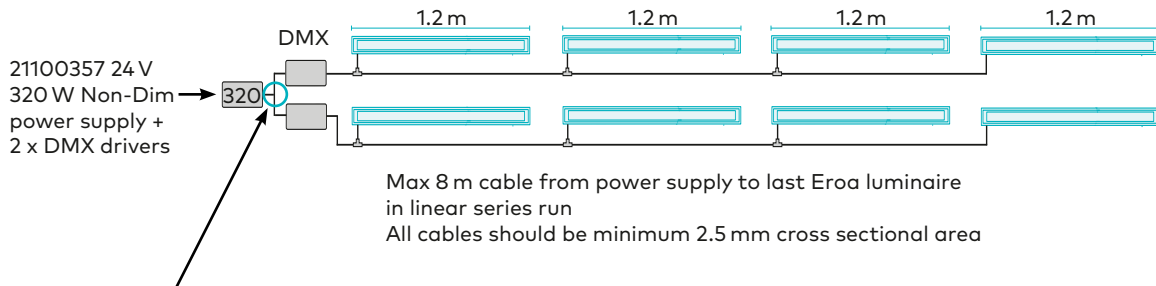
CODE	DESCRIPTION
21903619	DRIVER 1900/CV24/70W/HF
21903620	DRIVER 1900/CV24/175W/HF

EROA SX

HOW TO SPECIFY GUIDE

3. DRIVER CONFIGURATIONS

Single colour white DMX standard bright



OPTIONAL INSTALLATION ACCESSORY

To achieve series run in parallel for system optimisation

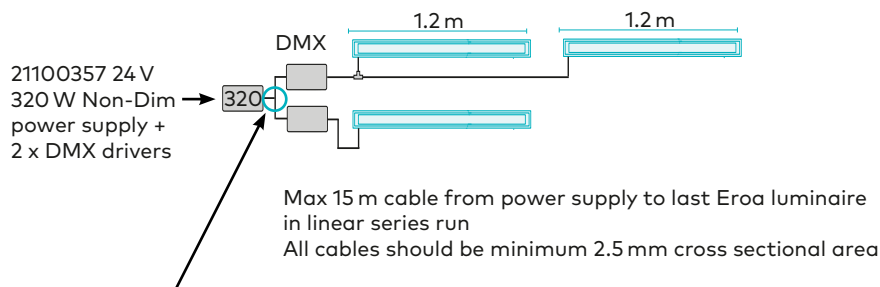
TEE PIECE CONNECTOR – EROA Sx

For single colour

CODE	DESCRIPTION
21100354	ER SX 3 POLE TEE PIECE 2074



Single colour white DMX extra bright



OPTIONAL INSTALLATION ACCESSORY

To achieve series run in parallel for system optimisation

TEE PIECE CONNECTOR – EROA Sx

For single colour

CODE	DESCRIPTION
21100354	ER SX 3 POLE TEE PIECE 2074



70 W and 150 W 24 V non-dim power supplies are also available:

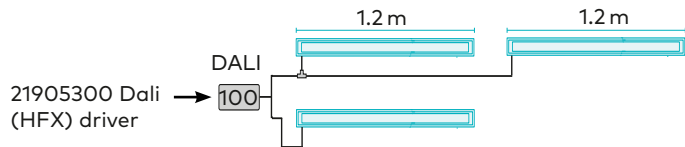
CODE	DESCRIPTION
21903619	DRIVER 1900/CV24/70W/HF
21903620	DRIVER 1900/CV24/175W/HF

EROA SX

HOW TO SPECIFY GUIDE

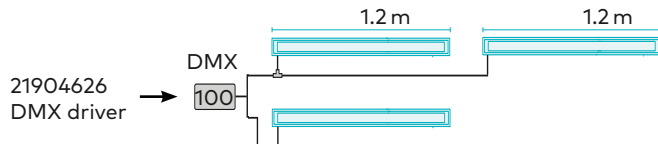
3. DRIVER CONFIGURATIONS

RGBW Dali extra bright



Max 8 m cable from power supply to last Eroa luminaire in linear series run
All cables should be minimum 2.5 mm cross sectional area

RGBW DMX extra bright



Max 8 m cable from power supply to last Eroa luminaire in linear series run
All cables should be minimum 2.5 mm cross sectional area

BUILD YOUR PRODUCT

EROA SX



Product	Length		Lumen		Colour temp		Optic	
Eroa Sx	336 mm	L03	450 lm	450	CRI 80 2700 K	827	Narrow	N
	636 mm	L06	900 lm	900	CRI 80 3000 K	830	Medium	M
	936 mm	L09	1200 lm	1200	CRI 80 4000 K	840	Wide Flood	WF
	1236 mm	L12	1400 lm	1400				
			1900 lm	1900				
			2400 lm	2400				
			3800 lm	3800				
			5000 lm	5000				

EXAMPLE PRODUCT DESCRIPTION				
Eroa Sx	L03	450	827	N

Finish		Accessory		Tilt		IP rating	
Black	BK	Cowl	CW	Standard bracket	STD	IP66	66
Silver	SI	Cross & anti glare film	CF	Adjustable bracket	AJ		
		Linear anti glare film	LF	Long arm 150 mm	LA01		
				Long arm 300 mm	LA03		

EXAMPLE PRODUCT DESCRIPTION CONTINUED			
BK	CW	STD	66

BUILD YOUR PRODUCT

EROA SI



Product	Length		Lumen		Colour temp		Optic	
Eroa Si	336 mm	L03	450 lm	450	CRI 80 2700 K	827	Narrow	N
	636 mm	L06	900 lm	900	CRI 80 3000 K	830	Medium	M
	936 mm	L09	1200 lm	1200	CRI 80 4000 K	840	Wide Flood	WF
	1236 mm	L12	1400 lm	1400	RGBW 3000 K	RGBW	Spot	SP
			1900 lm	1900				
			2400 lm	2400				
			3800 lm	3800				
			5000 lm	5000				

EXAMPLE PRODUCT DESCRIPTION				
Eroa Si	L03	450	827	N

Finish		Accessory		Tilt		IP rating		Driver	
Black	BK	Cowl	CW	Standard bracket	STD	IP66	66	Switched	HF
Silver	SI	Cross & anti glare film	CF	Adjustable bracket	AJ			Dali Dimmable	HFX
		Linear anti glare film	LF	Long arm 150 mm	LA01			DMX	DMX
				Long arm 300 mm	LA03				

EXAMPLE PRODUCT DESCRIPTION CONTINUED				
BK	CW	STD	66	HF

BUILD YOUR PRODUCT

EROA LRI



Product	Length		Lumen		Colour temp		Optic	
Eroa LRi	336 mm	L03	450 Lm	450	CRI 80 2700 K	827	Narrow	N
	636 mm	L06	900 Lm	900	CRI 80 3000 K	830	Medium	M
	936 mm	L09	1200 Lm	1200	CRI 80 4000 K	840	Wide Flood	WF
	1236 mm	L12	1400 Lm	1400			Spot	SP
			1900 Lm	1900				
			2400 Lm	2400				
			3800 Lm	3800				
			5000 Lm	5000				

EXAMPLE PRODUCT DESCRIPTION				
Eroa LRi	L03	450	827	N

Finish		Accessory		Tilt		IP rating		Driver	
Anodised Silver	AS	Micro Louvre	LO	0 degree	0	IP67	67	Switched	HF
Anodised Black	ABK	Cross & anti glare film	CF	5 degree	5			Dali Dimmable	HFX
		Cross anti glare & micro louvre	CM					DMX	DMX
		Linear anti glare film	LF						

EXAMPLE PRODUCT DESCRIPTION CONTINUED				
AS	LO	5	67	HF



As a globally leading luminaire manufacturer, Thorn Lighting provides a five-year warranty for its complete product range within all European Countries.
thornlighting.com/guarantee

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