

## Linear

### Typhoon Anti-Corrosive 4ft Single 19W 4000K Grey



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live   Neutral   Earth
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	-20 - +40
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2882
Fixture Luminous Flux (Lm)	3253
Luminaire Efficacy @4000K (lm/W)	167
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0

430591

Technical Specification

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	3287
<b>Lm/W</b>	167
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80

430591

Technical Specification

## Electrical Data

<b>Wattage (W)</b>	19
<b>Total Power Consumption (W)</b>	19.5
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	25-57
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤14A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	67
<b>Max. Luminaire per 13A C Breaker</b>	84
<b>Max. Luminaire per 16A C Breaker</b>	108
<b>Max. Luminaire per 20A C Breaker</b>	140
<b>Max. Luminaire per 10A B Breaker</b>	40
<b>Max. Luminaire per 13A B Breaker</b>	75
<b>Max. Luminaire per 16A B Breaker</b>	95
<b>Max. Luminaire per 20A B Breaker</b>	110

## Lifetime Data

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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430591

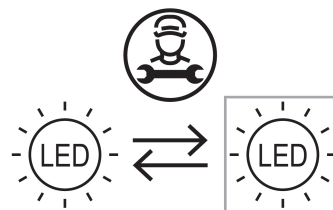
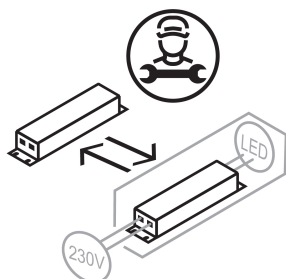
Technical Specification

## Physical Data

<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1240
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	1.25

## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001



## Linear

### Typhoon Anti-Corrosive 4ft Single 19W 4000K Grey Self Test H3S



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live Neutral Earth P Live
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	0 - +30
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2878
Fixture Luminous Flux (Lm)	3253
Luminaire Efficacy @4000K (lm/W)	167
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0

430591-H3S

Technical Specification

### Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	3287
<b>Lm/W</b>	167
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80

430591-H3S

Technical Specification

## Electrical Data

<b>Wattage (W)</b>	19
<b>Total Power Consumption (W)</b>	19.5
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	25-57
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤14A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	67
<b>Max. Luminaire per 13A C Breaker</b>	84
<b>Max. Luminaire per 16A C Breaker</b>	108
<b>Max. Luminaire per 20A C Breaker</b>	140
<b>Max. Luminaire per 10A B Breaker</b>	40
<b>Max. Luminaire per 13A B Breaker</b>	75
<b>Max. Luminaire per 16A B Breaker</b>	95
<b>Max. Luminaire per 20A B Breaker</b>	110

## Lifetime Data

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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430591-H3S

Technical Specification

## Emergency Data

<b>Battery Type</b>	LiFePO4
<b>Battery Capacity (mAh)</b>	3200mAh
<b>Battery Warranty (Years)</b>	2
<b>Recharge Time (Hours)</b>	24 Hours
<b>Emergency Type</b>	Non-Maintained I Maintained
<b>Test Procedure</b>	Self-Test
<b>Emergency Duration (Hours)</b>	3
<b>Emergency Output</b>	400

## Physical Data

<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1240
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	1.5

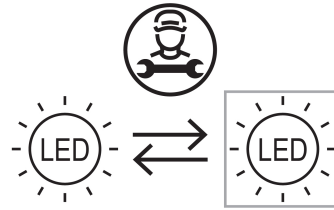
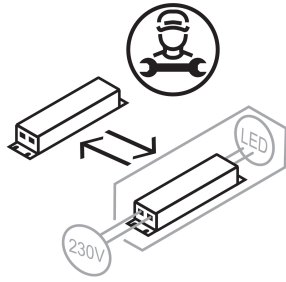
## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1 EN60598-2-22
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001



430591-H3S

Technical Specification



## Linear

### Typhoon Anti-Corrosive 4ft Single 19W 4000K Grey Self Test H3S & MW



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live Neutral Earth P Live
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	0 - +30
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2876
Fixture Luminous Flux (Lm)	3253
Luminaire Efficacy @4000K (lm/W)	167
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0

430591-H3S-MW

Technical Specification

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	3287
<b>Lm/W</b>	167
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80

## Electrical Data

<b>Wattage (W)</b>	19
<b>Total Power Consumption (W)</b>	19.5
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	25-57
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤14A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	67
<b>Max. Luminaire per 13A C Breaker</b>	84
<b>Max. Luminaire per 16A C Breaker</b>	108
<b>Max. Luminaire per 20A C Breaker</b>	140
<b>Max. Luminaire per 10A B Breaker</b>	40
<b>Max. Luminaire per 13A B Breaker</b>	75
<b>Max. Luminaire per 16A B Breaker</b>	95
<b>Max. Luminaire per 20A B Breaker</b>	110

## Lifetime Data

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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### Emergency Data

<b>Battery Type</b>	LiFePO4
<b>Battery Capacity (mAh)</b>	3200mAh
<b>Battery Warranty (Years)</b>	2
<b>Recharge Time (Hours)</b>	24 Hours
<b>Emergency Type</b>	Non-Maintained   Maintained
<b>Test Procedure</b>	Self-Test
<b>Emergency Duration (Hours)</b>	3
<b>Emergency Output</b>	400

### Sensor Data

<b>Sensor Technology</b>	Microwave
<b>Sensor Type</b>	ON/OFF
<b>Max. Mounting Height (M)</b>	6
<b>Hold Time</b>	5s 30s 90s 5min 20min 30min
<b>Detection area (m)</b>	10 (4m mounting height)
<b>Daylight Threshold</b>	2Lux   10Lux   30Lux   50Lux   Disable
<b>Detection radius (°)</b>	150 (Wall mounted) 360 (Ceiling Mounted)

430591-H3S-MW

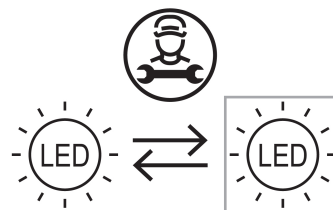
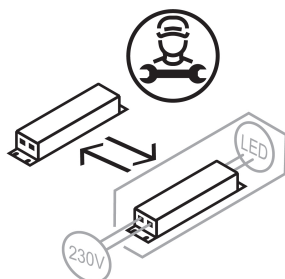
Technical Specification

## Physical Data

<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1240
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	1.5

## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1 EN60598-2-22
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001



## Linear

### Typhoon Anti-Corrosive 4ft Single 19W 4000K Grey MW



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live   Neutral   Earth
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	-20 - +40
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2880
Fixture Luminous Flux (Lm)	3253
Luminaire Efficacy @4000K (lm/W)	167
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0

430591-MW

Technical Specification

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	3287
<b>Lm/W</b>	167
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80



430591-MW

Technical Specification

## **Electrical Data**

<b>Wattage (W)</b>	19
<b>Total Power Consumption (W)</b>	19.5
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	25-57
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤14A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	67
<b>Max. Luminaire per 13A C Breaker</b>	84
<b>Max. Luminaire per 16A C Breaker</b>	108
<b>Max. Luminaire per 20A C Breaker</b>	140
<b>Max. Luminaire per 10A B Breaker</b>	40
<b>Max. Luminaire per 13A B Breaker</b>	75
<b>Max. Luminaire per 16A B Breaker</b>	95
<b>Max. Luminaire per 20A B Breaker</b>	110

## **Lifetime Data**

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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430591-MW

Technical Specification

## Sensor Data

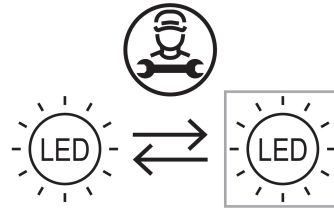
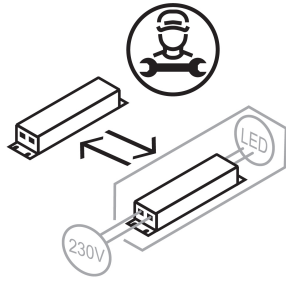
<b>Sensor Technology</b>	Microwave
<b>Sensor Type</b>	ON/OFF
<b>Max. Mounting Height (M)</b>	6
<b>Hold Time</b>	5s 30s 90s 5min 20min 30min
<b>Detection area (m)</b>	10 (4m mounting height)
<b>Daylight Threshold</b>	2Lux   10Lux   30Lux   50Lux   Disable
<b>Detection radius (°)</b>	150 (Wall mounted) 360 (Ceiling Mounted)

## Physical Data

<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1240
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	1.25

## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001



## Linear

### Typhoon Anti-Corrosive 4ft Twin 30W 4000K Grey



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live   Neutral   Earth
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	-20 - +40
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2874
Fixture Luminous Flux (Lm)	5168
Luminaire Efficacy @4000K (lm/W)	162
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0

430592

Technical Specification

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	5599
<b>Lm/W</b>	162
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80

430592

Technical Specification

## **Electrical Data**

<b>Wattage (W)</b>	30
<b>Total Power Consumption (W)</b>	32
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	58-114
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤16A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	20
<b>Max. Luminaire per 13A C Breaker</b>	30
<b>Max. Luminaire per 16A C Breaker</b>	40
<b>Max. Luminaire per 20A C Breaker</b>	50
<b>Max. Luminaire per 10A B Breaker</b>	16
<b>Max. Luminaire per 13A B Breaker</b>	24
<b>Max. Luminaire per 16A B Breaker</b>	32
<b>Max. Luminaire per 20A B Breaker</b>	40

## **Lifetime Data**

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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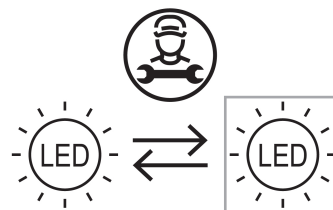
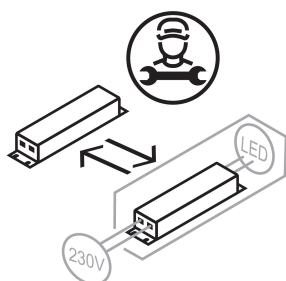
Technical Specification

## Physical Data

<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1240
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	1.25

## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001



## Linear

### Typhoon Anti-Corrosive 4ft Twin 30W 4000K Grey Self Test H3S



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live Neutral Earth P Live
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	0 - +30
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2870
Fixture Luminous Flux (Lm)	5168
Luminaire Efficacy @4000K (lm/W)	162
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0



430592-H3S

Technical Specification

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	5599
<b>Lm/W</b>	162
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80

430592-H3S

Technical Specification

## Electrical Data

<b>Wattage (W)</b>	30
<b>Total Power Consumption (W)</b>	32
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	58-114
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤16A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	20
<b>Max. Luminaire per 13A C Breaker</b>	30
<b>Max. Luminaire per 16A C Breaker</b>	40
<b>Max. Luminaire per 20A C Breaker</b>	50
<b>Max. Luminaire per 10A B Breaker</b>	16
<b>Max. Luminaire per 13A B Breaker</b>	24
<b>Max. Luminaire per 16A B Breaker</b>	32
<b>Max. Luminaire per 20A B Breaker</b>	40

## Lifetime Data

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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## Emergency Data

<b>Battery Type</b>	LiFePO4
<b>Battery Capacity (mAh)</b>	3200mAh
<b>Battery Warranty (Years)</b>	2
<b>Recharge Time (Hours)</b>	24 Hours
<b>Emergency Type</b>	Non-Maintained I Maintained
<b>Test Procedure</b>	Self-Test
<b>Emergency Duration (Hours)</b>	3
<b>Emergency Output</b>	400

## Physical Data

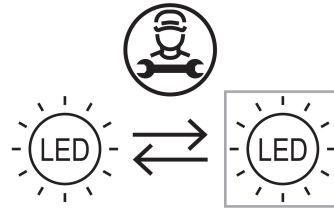
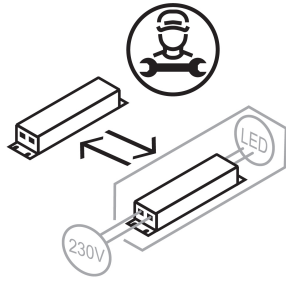
<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1240
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	1.5

## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1 EN60598-2-22
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001

430592-H3S

Technical Specification



## Linear

### Typhoon Anti-Corrosive 4ft Twin 30W 4000K Grey Self Test H3S & MW



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live Neutral Earth P Live
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	0 - +30
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2868
Fixture Luminous Flux (Lm)	5168
Luminaire Efficacy @4000K (lm/W)	162
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0

430592-H3S-MW

Technical Specification

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	5599
<b>Lm/W</b>	162
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80

## Electrical Data

<b>Wattage (W)</b>	30
<b>Total Power Consumption (W)</b>	32
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	58-114
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤16A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	20
<b>Max. Luminaire per 13A C Breaker</b>	30
<b>Max. Luminaire per 16A C Breaker</b>	40
<b>Max. Luminaire per 20A C Breaker</b>	50
<b>Max. Luminaire per 10A B Breaker</b>	16
<b>Max. Luminaire per 13A B Breaker</b>	24
<b>Max. Luminaire per 16A B Breaker</b>	32
<b>Max. Luminaire per 20A B Breaker</b>	40

## Lifetime Data

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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### Emergency Data

<b>Battery Type</b>	LiFePO4
<b>Battery Capacity (mAh)</b>	3200mAh
<b>Battery Warranty (Years)</b>	2
<b>Recharge Time (Hours)</b>	24 Hours
<b>Emergency Type</b>	Non-Maintained I Maintained
<b>Test Procedure</b>	Self-Test
<b>Emergency Duration (Hours)</b>	3
<b>Emergency Output</b>	400

### Sensor Data

<b>Sensor Technology</b>	Microwave
<b>Sensor Type</b>	ON/OFF
<b>Max. Mounting Height (M)</b>	6
<b>Hold Time</b>	5s 30s 90s 5min 20min 30min
<b>Detection area (m)</b>	10 (4m mounting height)
<b>Daylight Threshold</b>	2Lux   10Lux   30Lux   50Lux Disable
<b>Detection radius (°)</b>	150 (Wall mounted) 360 (Ceiling Mounted)



430592-H3S-MW

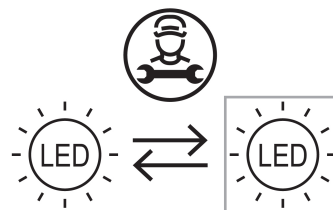
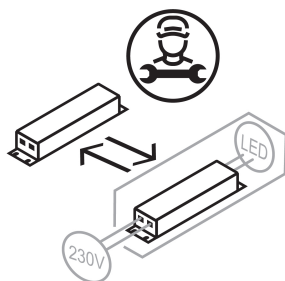
Technical Specification

## Physical Data

<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1240
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	1.5

## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1 EN60598-2-22
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001



## Linear

### Typhoon Anti-Corrosive 4ft Twin 30W 4000K Grey MW



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live   Neutral   Earth
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	-20 - +40
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2872
Fixture Luminous Flux (Lm)	5168
Luminaire Efficacy @4000K (lm/W)	162
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	5599
<b>Lm/W</b>	162
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80

430592-MW

Technical Specification

## **Electrical Data**

<b>Wattage (W)</b>	30
<b>Total Power Consumption (W)</b>	32
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	58-114
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤16A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	20
<b>Max. Luminaire per 13A C Breaker</b>	30
<b>Max. Luminaire per 16A C Breaker</b>	40
<b>Max. Luminaire per 20A C Breaker</b>	50
<b>Max. Luminaire per 10A B Breaker</b>	16
<b>Max. Luminaire per 13A B Breaker</b>	24
<b>Max. Luminaire per 16A B Breaker</b>	32
<b>Max. Luminaire per 20A B Breaker</b>	40

## **Lifetime Data**

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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430592-MW

Technical Specification

## Sensor Data

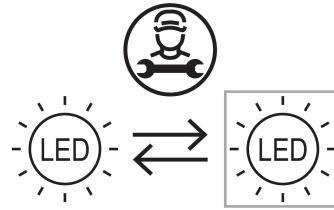
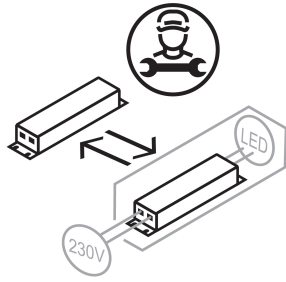
<b>Sensor Technology</b>	Microwave
<b>Sensor Type</b>	ON/OFF
<b>Max. Mounting Height (M)</b>	6
<b>Hold Time</b>	5s 30s 90s 5min 20min 30min
<b>Detection area (m)</b>	10 (4m mounting height)
<b>Daylight Threshold</b>	2Lux   10Lux   30Lux   50Lux   Disable
<b>Detection radius (°)</b>	150 (Wall mounted) 360 (Ceiling Mounted)

## Physical Data

<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1240
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	1.25

## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001



## Linear

### Typhoon Anti-Corrosive 5ft Single 20W 4000K Grey



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live   Neutral   Earth
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	-20 - +40
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2866
Fixture Luminous Flux (Lm)	3694
Luminaire Efficacy @4000K (lm/W)	162
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0

430593

Technical Specification

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	3793
<b>Lm/W</b>	162
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80



430593

Technical Specification

## Electrical Data

<b>Wattage (W)</b>	20
<b>Total Power Consumption (W)</b>	22.8
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	25-57
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤14A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	67
<b>Max. Luminaire per 13A C Breaker</b>	84
<b>Max. Luminaire per 16A C Breaker</b>	108
<b>Max. Luminaire per 20A C Breaker</b>	140
<b>Max. Luminaire per 10A B Breaker</b>	40
<b>Max. Luminaire per 13A B Breaker</b>	75
<b>Max. Luminaire per 16A B Breaker</b>	95
<b>Max. Luminaire per 20A B Breaker</b>	110

## Lifetime Data

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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430593

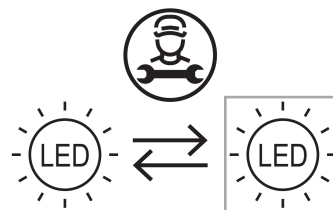
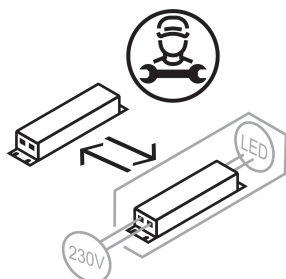
Technical Specification

## Physical Data

<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1540
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	1.55

## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001



## Linear

### Typhoon Anti-Corrosive 5ft Single 20W 4000K Grey Self Test H3S



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live Neutral Earth P Live
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	0 - +30
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2862
Fixture Luminous Flux (Lm)	3694
Luminaire Efficacy @4000K (lm/W)	162
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0

430593-H3S

Technical Specification

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	3793
<b>Lm/W</b>	162
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80

430593-H3S

Technical Specification

## Electrical Data

<b>Wattage (W)</b>	20
<b>Total Power Consumption (W)</b>	22.8
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	25-57
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤14A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	67
<b>Max. Luminaire per 13A C Breaker</b>	84
<b>Max. Luminaire per 16A C Breaker</b>	108
<b>Max. Luminaire per 20A C Breaker</b>	140
<b>Max. Luminaire per 10A B Breaker</b>	40
<b>Max. Luminaire per 13A B Breaker</b>	75
<b>Max. Luminaire per 16A B Breaker</b>	95
<b>Max. Luminaire per 20A B Breaker</b>	110

## Lifetime Data

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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## Emergency Data

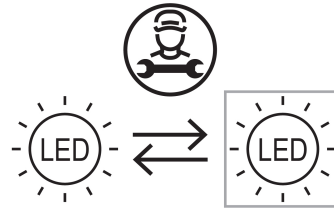
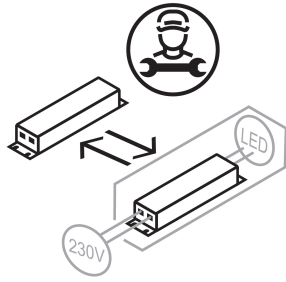
<b>Battery Type</b>	LiFePO4
<b>Battery Capacity (mAh)</b>	3200mAh
<b>Battery Warranty (Years)</b>	2
<b>Recharge Time (Hours)</b>	24 Hours
<b>Emergency Type</b>	Non-Maintained I Maintained
<b>Test Procedure</b>	Self-Test
<b>Emergency Duration (Hours)</b>	3
<b>Emergency Output</b>	400

## Physical Data

<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1540
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	1.8

## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1 EN60598-2-22
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001



## Linear

### Typhoon Anti-Corrosive 5ft Single 20W 4000K Grey Self Test H3S & MW



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live Neutral Earth P Live
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	0 - +30
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2860
Fixture Luminous Flux (Lm)	3694
Luminaire Efficacy @4000K (lm/W)	162
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0



430593-H3S-MW

Technical Specification

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	3793
<b>Lm/W</b>	162
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80

## Electrical Data

<b>Wattage (W)</b>	20
<b>Total Power Consumption (W)</b>	22.8
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	25-57
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤14A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	67
<b>Max. Luminaire per 13A C Breaker</b>	84
<b>Max. Luminaire per 16A C Breaker</b>	108
<b>Max. Luminaire per 20A C Breaker</b>	140
<b>Max. Luminaire per 10A B Breaker</b>	40
<b>Max. Luminaire per 13A B Breaker</b>	75
<b>Max. Luminaire per 16A B Breaker</b>	95
<b>Max. Luminaire per 20A B Breaker</b>	110

## Lifetime Data

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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## Emergency Data

<b>Battery Type</b>	LiFePO4
<b>Battery Capacity (mAh)</b>	3200mAh
<b>Battery Warranty (Years)</b>	2
<b>Recharge Time (Hours)</b>	24 Hours
<b>Emergency Type</b>	Non-Maintained   Maintained
<b>Test Procedure</b>	Self-Test
<b>Emergency Duration (Hours)</b>	3
<b>Emergency Output</b>	400

## Sensor Data

<b>Sensor Technology</b>	Microwave
<b>Sensor Type</b>	ON/OFF
<b>Max. Mounting Height (M)</b>	6
<b>Hold Time</b>	5s 30s 90s 5min 20min 30min
<b>Detection area (m)</b>	10 (4m mounting height)
<b>Daylight Threshold</b>	2Lux   10Lux   30Lux   50Lux   Disable
<b>Detection radius (°)</b>	150 (Wall mounted) 360 (Ceiling Mounted)

430593-H3S-MW

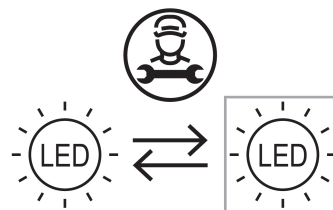
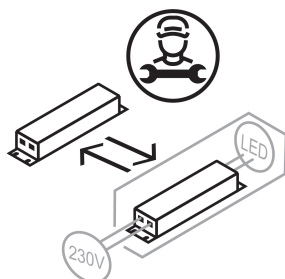
Technical Specification

## Physical Data

<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1540
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	1.8

## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1 EN60598-2-22
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001



## Linear

### Typhoon Anti-Corrosive 5ft Single 20W 4000K Grey MW



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live   Neutral   Earth
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	-20 - +40
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2864
Fixture Luminous Flux (Lm)	3694
Luminaire Efficacy @4000K (lm/W)	162
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	3793
<b>Lm/W</b>	162
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80

## Electrical Data

<b>Wattage (W)</b>	20
<b>Total Power Consumption (W)</b>	22.8
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	25-57
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤14A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	67
<b>Max. Luminaire per 13A C Breaker</b>	84
<b>Max. Luminaire per 16A C Breaker</b>	108
<b>Max. Luminaire per 20A C Breaker</b>	140
<b>Max. Luminaire per 10A B Breaker</b>	40
<b>Max. Luminaire per 13A B Breaker</b>	75
<b>Max. Luminaire per 16A B Breaker</b>	95
<b>Max. Luminaire per 20A B Breaker</b>	110

## Lifetime Data

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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430593-MW

Technical Specification

## Sensor Data

<b>Sensor Technology</b>	Microwave
<b>Sensor Type</b>	ON/OFF
<b>Max. Mounting Height (M)</b>	6
<b>Hold Time</b>	5s 30s 90s 5min 20min 30min
<b>Detection area (m)</b>	10 (4m mounting height)
<b>Daylight Threshold</b>	2Lux   10Lux   30Lux   50Lux   Disable
<b>Detection radius (°)</b>	150 (Wall mounted) 360 (Ceiling Mounted)

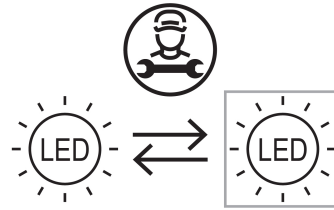
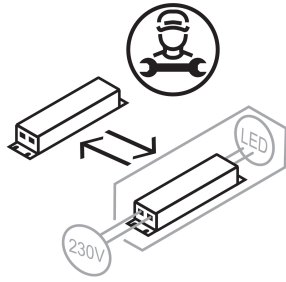
## Physical Data

<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1540
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	1.55

## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001





## Linear

### Typhoon Anti-Corrosive 5ft Twin 43W 4000K Grey



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live   Neutral   Earth
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	-20 - +40
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2858
Fixture Luminous Flux (Lm)	7012
Luminaire Efficacy @4000K (lm/W)	162
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0

430594

Technical Specification

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	7849
<b>Lm/W</b>	162
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80

430594

Technical Specification

## Electrical Data

<b>Wattage (W)</b>	43
<b>Total Power Consumption (W)</b>	43.4
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	115-172
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤16A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	20
<b>Max. Luminaire per 13A C Breaker</b>	30
<b>Max. Luminaire per 16A C Breaker</b>	40
<b>Max. Luminaire per 20A C Breaker</b>	50
<b>Max. Luminaire per 10A B Breaker</b>	16
<b>Max. Luminaire per 13A B Breaker</b>	24
<b>Max. Luminaire per 16A B Breaker</b>	32
<b>Max. Luminaire per 20A B Breaker</b>	40

## Lifetime Data

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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430594

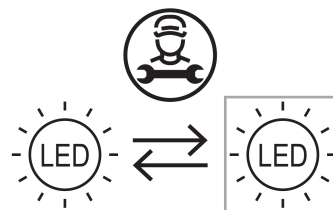
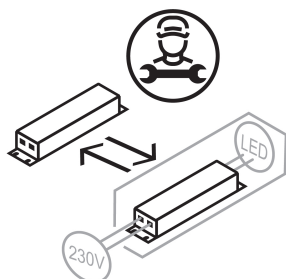
Technical Specification

## Physical Data

<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1540
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	1.55

## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001



## Linear

### Typhoon Anti-Corrosive 5ft Twin 43W 4000K Grey Self Test H3S



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live Neutral Earth P Live
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	0 - +30
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2854
Fixture Luminous Flux (Lm)	7012
Luminaire Efficacy @4000K (lm/W)	162
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0

430594-H3S

Technical Specification

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	7849
<b>Lm/W</b>	162
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80

430594-H3S

Technical Specification

## **Electrical Data**

<b>Wattage (W)</b>	43
<b>Total Power Consumption (W)</b>	43.4
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	115-172
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤25A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	20
<b>Max. Luminaire per 13A C Breaker</b>	30
<b>Max. Luminaire per 16A C Breaker</b>	40
<b>Max. Luminaire per 20A C Breaker</b>	50
<b>Max. Luminaire per 10A B Breaker</b>	16
<b>Max. Luminaire per 13A B Breaker</b>	24
<b>Max. Luminaire per 16A B Breaker</b>	32
<b>Max. Luminaire per 20A B Breaker</b>	40

## **Lifetime Data**

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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430594-H3S

Technical Specification

## Emergency Data

<b>Battery Type</b>	LiFePO4
<b>Battery Capacity (mAh)</b>	3200mAh
<b>Battery Warranty (Years)</b>	2
<b>Recharge Time (Hours)</b>	24 Hours
<b>Emergency Type</b>	Non-Maintained I Maintained
<b>Test Procedure</b>	Self-Test
<b>Emergency Duration (Hours)</b>	3
<b>Emergency Output</b>	400

## Physical Data

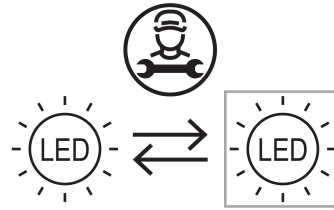
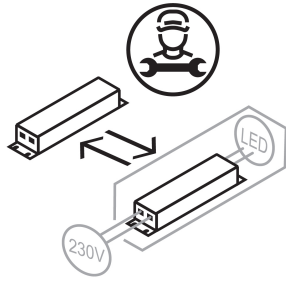
<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1540
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	1.8

## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1 EN60598-2-22
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001

430594-H3S

Technical Specification



## Linear

### Typhoon Anti-Corrosive 5ft Twin 43W 4000K Grey Self Test H3S & MW



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live Neutral Earth P Live
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	0 - +30
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2852
Fixture Luminous Flux (Lm)	7012
Luminaire Efficacy @4000K (lm/W)	162
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0

430594-H3S-MW

Technical Specification

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	7849
<b>Lm/W</b>	162
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80

430594-H3S-MW

Technical Specification

## Electrical Data

<b>Wattage (W)</b>	43
<b>Total Power Consumption (W)</b>	43.4
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	115-172
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤25A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	20
<b>Max. Luminaire per 13A C Breaker</b>	30
<b>Max. Luminaire per 16A C Breaker</b>	40
<b>Max. Luminaire per 20A C Breaker</b>	50
<b>Max. Luminaire per 10A B Breaker</b>	16
<b>Max. Luminaire per 13A B Breaker</b>	24
<b>Max. Luminaire per 16A B Breaker</b>	32
<b>Max. Luminaire per 20A B Breaker</b>	40

## Lifetime Data

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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430594-H3S-MW

Technical Specification

## Emergency Data

<b>Battery Type</b>	LiFePO4
<b>Battery Capacity (mAh)</b>	3200mAh
<b>Battery Warranty (Years)</b>	2
<b>Recharge Time (Hours)</b>	24 Hours
<b>Emergency Type</b>	Non-Maintained   Maintained
<b>Test Procedure</b>	Self-Test
<b>Emergency Duration (Hours)</b>	3
<b>Emergency Output</b>	400

## Sensor Data

<b>Sensor Technology</b>	Microwave
<b>Sensor Type</b>	ON/OFF
<b>Max. Mounting Height (M)</b>	6
<b>Hold Time</b>	5s 30s 90s 5min 20min 30min
<b>Detection area (m)</b>	10 (4m mounting height)
<b>Daylight Threshold</b>	2Lux   10Lux   30Lux   50Lux Disable
<b>Detection radius (°)</b>	150 (Wall mounted) 360 (Ceiling Mounted)

430594-H3S-MW

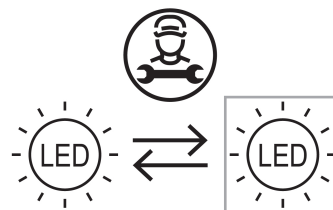
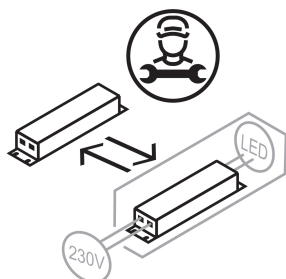
Technical Specification

## Physical Data

<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1540
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	1.8

## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1 EN60598-2-22
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001



## Linear

### Typhoon Anti-Corrosive 5ft Twin 43W 4000K Grey MW



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live   Neutral   Earth
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	-20 - +40
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2856
Fixture Luminous Flux (Lm)	7012
Luminaire Efficacy @4000K (lm/W)	162
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0



430594-MW

Technical Specification

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	7849
<b>Lm/W</b>	162
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80

430594-MW

Technical Specification

## Electrical Data

<b>Wattage (W)</b>	43
<b>Total Power Consumption (W)</b>	43.4
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	115-172
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤25A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	20
<b>Max. Luminaire per 13A C Breaker</b>	30
<b>Max. Luminaire per 16A C Breaker</b>	40
<b>Max. Luminaire per 20A C Breaker</b>	50
<b>Max. Luminaire per 10A B Breaker</b>	16
<b>Max. Luminaire per 13A B Breaker</b>	24
<b>Max. Luminaire per 16A B Breaker</b>	32
<b>Max. Luminaire per 20A B Breaker</b>	40

## Lifetime Data

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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430594-MW

Technical Specification

## Sensor Data

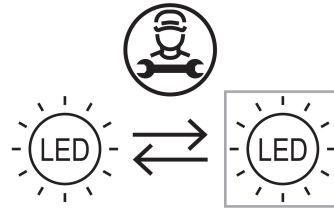
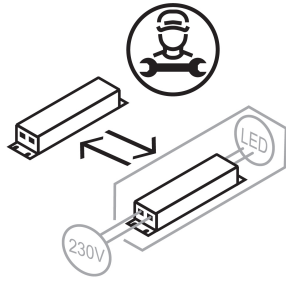
<b>Sensor Technology</b>	Microwave
<b>Sensor Type</b>	ON/OFF
<b>Max. Mounting Height (M)</b>	6
<b>Hold Time</b>	5s 30s 90s 5min 20min 30min
<b>Detection area (m)</b>	10 (4m mounting height)
<b>Daylight Threshold</b>	2Lux   10Lux   30Lux   50Lux   Disable
<b>Detection radius (°)</b>	150 (Wall mounted) 360 (Ceiling Mounted)

## Physical Data

<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1540
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	1.8

## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001



## Linear

### Typhoon Anti-Corrosive 6ft Single 30W 4000K Grey



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live   Neutral   Earth
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	-20 - +40
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2850
Fixture Luminous Flux (Lm)	4948
Luminaire Efficacy @4000K (lm/W)	162
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0

430595

Technical Specification

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	5475
<b>Lm/W</b>	162
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80

430595

Technical Specification

## **Electrical Data**

<b>Wattage (W)</b>	30
<b>Total Power Consumption (W)</b>	30.5
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	58-114
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤16A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	20
<b>Max. Luminaire per 13A C Breaker</b>	30
<b>Max. Luminaire per 16A C Breaker</b>	40
<b>Max. Luminaire per 20A C Breaker</b>	50
<b>Max. Luminaire per 10A B Breaker</b>	16
<b>Max. Luminaire per 13A B Breaker</b>	24
<b>Max. Luminaire per 16A B Breaker</b>	32
<b>Max. Luminaire per 20A B Breaker</b>	40

## **Lifetime Data**

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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430595

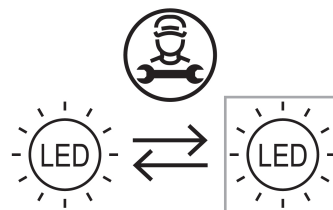
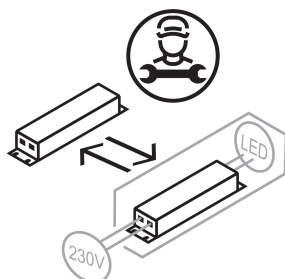
Technical Specification

## Physical Data

<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1840
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	2

## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001





## Linear

### Typhoon Anti-Corrosive 6ft Single 30W 4000K Grey Self Test H3S



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live Neutral Earth P Live
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	0 - +30
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2846
Fixture Luminous Flux (Lm)	4948
Luminaire Efficacy @4000K (lm/W)	162
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0

430595-H3S

Technical Specification

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	5475
<b>Lm/W</b>	162
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80

430595-H3S

Technical Specification

## Electrical Data

<b>Wattage (W)</b>	30
<b>Total Power Consumption (W)</b>	30.5
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	58-114
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤16A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	20
<b>Max. Luminaire per 13A C Breaker</b>	30
<b>Max. Luminaire per 16A C Breaker</b>	40
<b>Max. Luminaire per 20A C Breaker</b>	50
<b>Max. Luminaire per 10A B Breaker</b>	16
<b>Max. Luminaire per 13A B Breaker</b>	24
<b>Max. Luminaire per 16A B Breaker</b>	32
<b>Max. Luminaire per 20A B Breaker</b>	40

## Lifetime Data

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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430595-H3S

Technical Specification

## Emergency Data

<b>Battery Type</b>	LiFePO4
<b>Battery Capacity (mAh)</b>	3200mAh
<b>Battery Warranty (Years)</b>	2
<b>Recharge Time (Hours)</b>	24 Hours
<b>Emergency Type</b>	Non-Maintained I Maintained
<b>Test Procedure</b>	Self-Test
<b>Emergency Duration (Hours)</b>	3
<b>Emergency Output</b>	400

## Physical Data

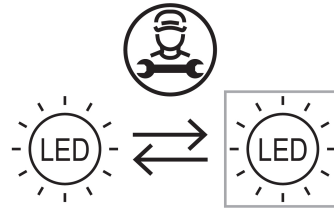
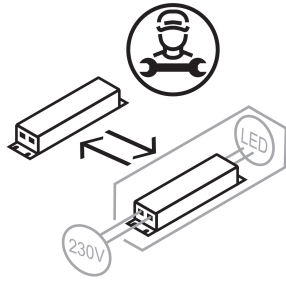
<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1840
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	2.25

## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1 EN60598-2-22
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001

430595-H3S

Technical Specification



## Linear

### Typhoon Anti-Corrosive 6ft Single 30W 4000K Grey Self Test H3S & MW



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live Neutral Earth P Live
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	0 - +30
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2844
Fixture Luminous Flux (Lm)	4948
Luminaire Efficacy @4000K (lm/W)	162
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0

430595-H3S-MW

Technical Specification

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	5475
<b>Lm/W</b>	162
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80

## Electrical Data

<b>Wattage (W)</b>	30
<b>Total Power Consumption (W)</b>	30.5
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	58-114
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤16A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	20
<b>Max. Luminaire per 13A C Breaker</b>	30
<b>Max. Luminaire per 16A C Breaker</b>	40
<b>Max. Luminaire per 20A C Breaker</b>	50
<b>Max. Luminaire per 10A B Breaker</b>	16
<b>Max. Luminaire per 13A B Breaker</b>	24
<b>Max. Luminaire per 16A B Breaker</b>	32
<b>Max. Luminaire per 20A B Breaker</b>	40

## Lifetime Data

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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430595-H3S-MW

Technical Specification

## Emergency Data

<b>Battery Type</b>	LiFePO4
<b>Battery Capacity (mAh)</b>	3200mAh
<b>Battery Warranty (Years)</b>	2
<b>Recharge Time (Hours)</b>	24 Hours
<b>Emergency Type</b>	Non-Maintained I Maintained
<b>Test Procedure</b>	Self-Test
<b>Emergency Duration (Hours)</b>	3
<b>Emergency Output</b>	400

## Sensor Data

<b>Sensor Technology</b>	Microwave
<b>Sensor Type</b>	ON/OFF
<b>Max. Mounting Height (M)</b>	6
<b>Hold Time</b>	5s 30s 90s 5min 20min 30min
<b>Detection area (m)</b>	10 (4m mounting height)
<b>Daylight Threshold</b>	2Lux   10Lux   30Lux   50Lux   Disable
<b>Detection radius (°)</b>	150 (Wall mounted) 360 (Ceiling Mounted)

430595-H3S-MW

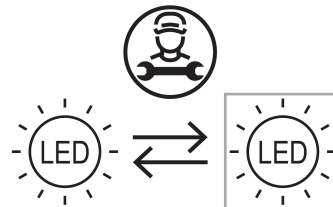
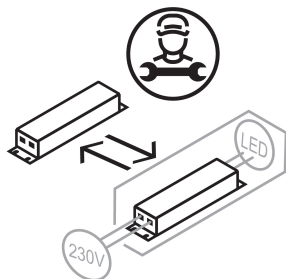
Technical Specification

## Physical Data

<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1840
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	2.25

## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1 EN60598-2-22
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001



## Linear

### Typhoon Anti-Corrosive 6ft Single 30W 4000K Grey MW



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live   Neutral   Earth
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	-20 - +40
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2848
Fixture Luminous Flux (Lm)	4948
Luminaire Efficacy @4000K (lm/W)	162
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0

430595-MW

Technical Specification

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	5475
<b>Lm/W</b>	162
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80

430595-MW

Technical Specification

## **Electrical Data**

<b>Wattage (W)</b>	30
<b>Total Power Consumption (W)</b>	30.5
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	58-114
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤16A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	20
<b>Max. Luminaire per 13A C Breaker</b>	30
<b>Max. Luminaire per 16A C Breaker</b>	40
<b>Max. Luminaire per 20A C Breaker</b>	50
<b>Max. Luminaire per 10A B Breaker</b>	16
<b>Max. Luminaire per 13A B Breaker</b>	24
<b>Max. Luminaire per 16A B Breaker</b>	32
<b>Max. Luminaire per 20A B Breaker</b>	40

## **Lifetime Data**

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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430595-MW

Technical Specification

## Sensor Data

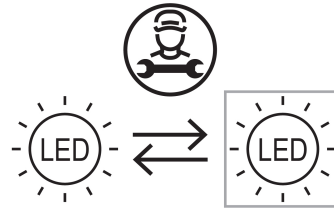
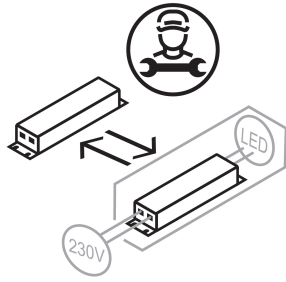
<b>Sensor Technology</b>	Microwave
<b>Sensor Type</b>	ON/OFF
<b>Max. Mounting Height (M)</b>	6
<b>Hold Time</b>	5s 30s 90s 5min 20min 30min
<b>Detection area (m)</b>	10 (4m mounting height)
<b>Daylight Threshold</b>	2Lux   10Lux   30Lux   50Lux   Disable
<b>Detection radius (°)</b>	150 (Wall mounted) 360 (Ceiling Mounted)

## Physical Data

<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1840
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	2.25

## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001



## Linear

### Typhoon Anti-Corrosive 6ft Twin 50W 4000K Grey



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live   Neutral   Earth
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	-20 - +40
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2842
Fixture Luminous Flux (Lm)	8186
Luminaire Efficacy @4000K (lm/W)	162
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0



430596

Technical Specification

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	8896
<b>Lm/W</b>	162
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80

430596

Technical Specification

## **Electrical Data**

<b>Wattage (W)</b>	50
<b>Total Power Consumption (W)</b>	50.5
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	115-172
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤25A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	34
<b>Max. Luminaire per 13A C Breaker</b>	44
<b>Max. Luminaire per 16A C Breaker</b>	56
<b>Max. Luminaire per 20A C Breaker</b>	67
<b>Max. Luminaire per 10A B Breaker</b>	20
<b>Max. Luminaire per 13A B Breaker</b>	28
<b>Max. Luminaire per 16A B Breaker</b>	32
<b>Max. Luminaire per 20A B Breaker</b>	44

## **Lifetime Data**

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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430596

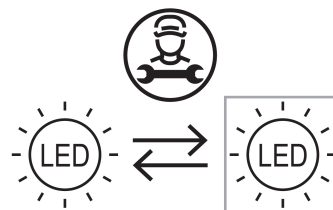
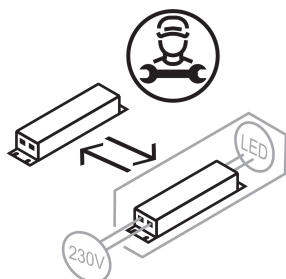
Technical Specification

## Physical Data

<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1840
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	2

## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001



## Linear

### Typhoon Anti-Corrosive 6ft Twin 50W 4000K Grey Self Test H3S



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live Neutral Earth P Live
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	0 - +30
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2838
Fixture Luminous Flux (Lm)	8186
Luminaire Efficacy @4000K (lm/W)	162
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0

430596-H3S

Technical Specification

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	8896
<b>Lm/W</b>	162
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80

430596-H3S

Technical Specification

## **Electrical Data**

<b>Wattage (W)</b>	50
<b>Total Power Consumption (W)</b>	50.5
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	115-172
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤25A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	34
<b>Max. Luminaire per 13A C Breaker</b>	44
<b>Max. Luminaire per 16A C Breaker</b>	56
<b>Max. Luminaire per 20A C Breaker</b>	67
<b>Max. Luminaire per 10A B Breaker</b>	20
<b>Max. Luminaire per 13A B Breaker</b>	28
<b>Max. Luminaire per 16A B Breaker</b>	32
<b>Max. Luminaire per 20A B Breaker</b>	44

## **Lifetime Data**

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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430596-H3S

Technical Specification

## Emergency Data

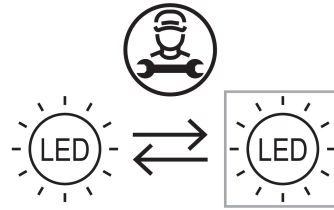
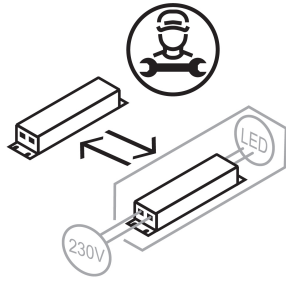
<b>Battery Type</b>	LiFePO4
<b>Battery Capacity (mAh)</b>	3200mAh
<b>Battery Warranty (Years)</b>	2
<b>Recharge Time (Hours)</b>	24 Hours
<b>Emergency Type</b>	Non-Maintained I Maintained
<b>Test Procedure</b>	Self-Test
<b>Emergency Duration (Hours)</b>	3
<b>Emergency Output</b>	400

## Physical Data

<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1840
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	2.25

## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1 EN60598-2-22
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001





## Linear

### Typhoon Anti-Corrosive 6ft Twin 50W 4000K Grey Self Test H3S & MW



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live Neutral Earth P Live
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	0 - +30
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2836
Fixture Luminous Flux (Lm)	8186
Luminaire Efficacy @4000K (lm/W)	162
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0

430596-H3S-MW

Technical Specification

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	8896
<b>Lm/W</b>	162
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80

430596-H3S-MW

Technical Specification

## Electrical Data

<b>Wattage (W)</b>	50
<b>Total Power Consumption (W)</b>	50.5
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	115-172
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤25A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	34
<b>Max. Luminaire per 13A C Breaker</b>	44
<b>Max. Luminaire per 16A C Breaker</b>	56
<b>Max. Luminaire per 20A C Breaker</b>	67
<b>Max. Luminaire per 10A B Breaker</b>	20
<b>Max. Luminaire per 13A B Breaker</b>	28
<b>Max. Luminaire per 16A B Breaker</b>	32
<b>Max. Luminaire per 20A B Breaker</b>	44

## Lifetime Data

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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430596-H3S-MW

Technical Specification

## Emergency Data

<b>Battery Type</b>	LiFePO4
<b>Battery Capacity (mAh)</b>	3200mAh
<b>Battery Warranty (Years)</b>	2
<b>Recharge Time (Hours)</b>	24 Hours
<b>Emergency Type</b>	Non-Maintained   Maintained
<b>Test Procedure</b>	Self-Test
<b>Emergency Duration (Hours)</b>	3
<b>Emergency Output</b>	400

## Sensor Data

<b>Sensor Technology</b>	Microwave
<b>Sensor Type</b>	ON/OFF
<b>Max. Mounting Height (M)</b>	6
<b>Hold Time</b>	5s 30s 90s 5min 20min 30min
<b>Detection area (m)</b>	10 (4m mounting height)
<b>Daylight Threshold</b>	2Lux   10Lux   30Lux   50Lux   Disable
<b>Detection radius (°)</b>	150 (Wall mounted) 360 (Ceiling Mounted)

430596-H3S-MW

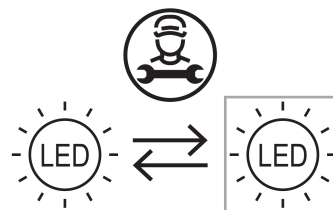
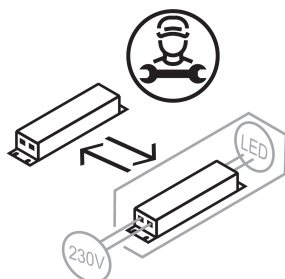
Technical Specification

## Physical Data

<b>Housing colour</b>	RAL 7038 Grey
<b>Body material</b>	Polycarbonate
<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
<b>IK Rating</b>	8
<b>Diffuser Material</b>	Polycarbonate Frosted Diffuser
<b>Diffuser finish</b>	Frosted
<b>Nominal Product Length (mm)</b>	1840
<b>Nominal Product Width (mm)</b>	100
<b>Nominal Product Height (mm)</b>	84
<b>Weight (kg)</b>	2.25

## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1 EN60598-2-22
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001



## Linear

### Typhoon Anti-Corrosive 6ft Twin 50W 4000K Grey MW



• 160lm/W output performance • Threaded 20mm cable entry • Push fit terminals • Stainless steel clips • High output self-test emergency available



#### General Data

Technology	LED
Mounting options	Ceiling Wall Suspended
Electrical Connector Type	Push fit terminal
Install Options	Fixing Bracket   Suspension Bracket
Input Cable	No
Input Electrical Connection	Live   Neutral   Earth
General Application	Industrial   Commercial   Educational
Operating Temperature Range °C	-20 - +40
Warranty (Years)	5

#### Optical Data

LED Manufacturer / Type	MLS CO SMD2840
Fixture Luminous Flux (Lm)	8186
Luminaire Efficacy @4000K (lm/W)	162
LOR %	100
Colour Selectable	No
Beam Angle°	120
Photobiological Risk Group	RG0

430596-MW

Technical Specification

## Light Source Data

<b>Energy Class</b>	C
<b>Lumens</b>	8896
<b>Lm/W</b>	162
<b>Colour Temperature (K)</b>	4000
<b>Light Colour</b>	Cool White
<b>CRI Ra</b>	80

## **Electrical Data**

<b>Wattage (W)</b>	50
<b>Total Power Consumption (W)</b>	50.5
<b>Mains voltage (V)</b>	220 - 240
<b>Lamp power factor</b>	0.9
<b>Electrical protection</b>	Class I
<b>Driver Output (V)</b>	115-172
<b>Driver Output Current (mA)</b>	350
<b>Control Gear Type CC or CV</b>	Constant Current
<b>SVM</b>	0.01
<b>PstLM</b>	0.01
<b>LED Flicker Rate</b>	0.2
<b>Dimmable</b>	No
<b>Driver Brand</b>	Lifud
<b>Inrush Current (A)</b>	≤25A
<b>Nominal Frequency (Hz)</b>	50/60
<b>Surge Protection (kV)</b>	1
<b>Max. Luminaire per 10A C Breaker</b>	34
<b>Max. Luminaire per 13A C Breaker</b>	44
<b>Max. Luminaire per 16A C Breaker</b>	56
<b>Max. Luminaire per 20A C Breaker</b>	67
<b>Max. Luminaire per 10A B Breaker</b>	20
<b>Max. Luminaire per 13A B Breaker</b>	28
<b>Max. Luminaire per 16A B Breaker</b>	32
<b>Max. Luminaire per 20A B Breaker</b>	44

## **Lifetime Data**

<b>Lifespan L70 B50 @25°C (Hrs)</b>	50000
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430596-MW

Technical Specification

## Sensor Data

<b>Sensor Technology</b>	Microwave
<b>Sensor Type</b>	ON/OFF
<b>Max. Mounting Height (M)</b>	6
<b>Hold Time</b>	5s 30s 90s 5min 20min 30min
<b>Detection area (m)</b>	10 (4m mounting height)
<b>Daylight Threshold</b>	2Lux   10Lux   30Lux   50Lux   Disable
<b>Detection radius (°)</b>	150 (Wall mounted) 360 (Ceiling Mounted)

## Physical Data

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<b>Driver Housing</b>	Sheet Steel
<b>IP Rating</b>	65
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<b>Nominal Product Height (mm)</b>	84
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## Standards and Approvals

<b>Manufactured In Accordance To</b>	EN 60598-1
<b>CE Mark</b>	Yes
<b>UKCA Mark</b>	Yes
<b>WEEE Symbol</b>	Yes
<b>Certificate Of Conformity</b>	Available on Request
<b>Accredited Members</b>	LIA, ISO9001

