

**TOUGHSHELL BATTEN EMERGENCY 3HR IP65 2880LM 24W 4000K 120 BEAM 120LM/W 4FT NON-DIMM INTEGRAL**

ILBTD103



The Tough-Shell Batten features a tough IK08 and IP65 dust and waterproof polycarbonate casing with secure clips. The frosted diffuser provides even light distribution. Ideal for demanding environments such as warehouses, factories, car parks and more. This model features an integrated Emergency Function to provide three hours of illumination in the event of a power cut.

**Details**

<b>Quick Order Code:</b>	211237
<b>Barcode:</b>	5055788251316
<b>Category:</b>	Luminaires
<b>Range Name:</b>	Tough-Shell
<b>Product Body Finish:</b>	Matt white
<b>Market Segment:</b>	Indoor commercial, Industrial, residential
<b>Finish:</b>	Matt White
<b>Warranty (Years):</b>	3
<b>CE RoHS:</b>	Yes

**Physical Data**

<b>Product Length (mm):</b>	1250
<b>Product Depth (mm):</b>	83
<b>Product Width (mm):</b>	73
<b>Optic:</b>	Opal diffuser
<b>Material:</b>	Polycarbonate
<b>Construction:</b>	Polycarbonate casing and diffuser
<b>Bulb or Luminaire Shape:</b>	Rectangle
<b>Luminaire Fixing:</b>	Wall/Ceiling mounted
<b>Placement / Application:</b>	Indoor, General Lighting

**Electrical Data**

<b>Power Consumption (w):</b>	24
<b>Power Factor:</b>	0.9
<b>Dimming:</b>	Non-Dimmable
<b>Driver Included:</b>	Yes
<b>Electric Current:</b>	AC

**LVD Certified:** Yes

## Light Data

**Luminous Flux in Lumens (lm):** 2880  
**Luminous efficacy (lm/W):** 120  
**Correlated Colour Temperature (CCT) (K):** 4000  
**Colour Temperature:** 4000K - Cool White  
**Colour Temperature Name:** Cool White  
**Beam Angle:** 120  
**Colour Rendering Index (CRI):** 80  
**Instant on (Less than 1 second):** Yes  
**LED Size (mm):** 2835  
**LED Type:** Surface mounted device (SMD)  
**Lifetime (hours):** 50000  
**Switching Cycles:** 50000  
**Useful Lumens (lm):** 400

## Environment

**LVD Certified:** Yes  
**CE RoHS:** Yes  
**Hg 0% (Mercury Free):** Yes  
**IK Rating (Impact Protection):** IK08  
**IP Rating (Ingress Protection):** IP65  
**Lowest Operating Temperature (°C):** -20  
**Maximum Operating Temperature (°C):** 40

## Packaging

**TOUGSHELL BATTEN SINGLE EMERGENCY 3HR IP65 30W 3600LM 4000K  
120BEAM ANGLE 120LM/W 5FT NON-DIMM NON-LINKABLE**

ILBTD106



The Tough-Shell Batten features a tough IK08 and IP65 dust and waterproof polycarbonate casing with secure clips. The frosted diffuser provides even light distribution. Ideal for demanding environments such as warehouses, factories, car parks and more. This model features an integrated Emergency Function to provide three hours of illumination in the event of a power cut.

**Details**

<b>Quick Order Code:</b>	903474
<b>Barcode:</b>	5055788251347
<b>Category:</b>	Luminaires
<b>Range Name:</b>	Tough-Shell
<b>Product Body Finish:</b>	Matt white
<b>Market Segment:</b>	Indoor commercial, Industrial, residential
<b>Finish:</b>	Matt White
<b>Warranty (Years):</b>	3
<b>CE RoHS:</b>	Yes

**Physical Data**

<b>Product Length (mm):</b>	1550
<b>Product Depth (mm):</b>	83
<b>Product Width (mm):</b>	73
<b>Optic:</b>	Opal diffuser
<b>Material:</b>	Polycarbonate
<b>Construction:</b>	Polycarbonate casing and diffuser
<b>Bulb or Luminaire Shape:</b>	Rectangle
<b>Luminaire Fixing:</b>	Wall/Ceiling mounted
<b>Placement / Application:</b>	Indoor, General Lighting

**Electrical Data**

<b>Power Consumption (w):</b>	30
<b>Power Factor:</b>	0.9
<b>Dimming:</b>	Non-Dimmable
<b>Driver Included:</b>	Yes
<b>Electric Current:</b>	AC

**LVD Certified:** Yes

## Light Data

**Luminous Flux in Lumens (lm):** 3600  
**Luminous efficacy (lm/W):** 120  
**Correlated Colour Temperature (CCT) (K):** 4000  
**Colour Temperature:** 4000K - Cool White  
**Colour Temperature Name:** Cool White  
**Beam Angle:** 120  
**Colour Rendering Index (CRI):** 80  
**Instant on (Less than 1 second):** Yes  
**LED Size (mm):** 2835  
**LED Type:** Surface mounted device (SMD)  
**Lifetime (hours):** 50000  
**Switching Cycles:** 50000  
**Useful Lumens (lm):** 400

## Environment

**LVD Certified:** Yes  
**CE RoHS:** Yes  
**Hg 0% (Mercury Free):** Yes  
**IK Rating (Impact Protection):** IK08  
**IP Rating (Ingress Protection):** IP65  
**Lowest Operating Temperature (°C):** -20  
**Maximum Operating Temperature (°C):** 40

## Packaging

**TOUGHSHELL WEATHPROOF BATTEN IP65 IK10 38W 4000k 4560lm 120°  
BEAM 6ft - 3hr EMERGENCY SINGLE**

ILBTD110



The Tough-Shell Batten features a tough IK08 and IP65 dust and waterproof polycarbonate casing with secure clips. The frosted diffuser provides even light distribution. Ideal for demanding environments such as warehouses, factories, car parks and more. This model features an integrated Emergency Function to provide three hours of illumination in the event of a power cut.

**Details**

<b>Quick Order Code:</b>	850062
<b>Barcode:</b>	5055788253884
<b>Category:</b>	Luminaires
<b>Range Name:</b>	Tough-Shell
<b>Product Body Finish:</b>	Matt white
<b>Market Segment:</b>	Indoor commercial, Industrial, residential
<b>Finish:</b>	Matt White
<b>Warranty (Years):</b>	3
<b>CE RoHS:</b>	Yes

**Physical Data**

<b>Product Length (mm):</b>	1850
<b>Product Depth (mm):</b>	83
<b>Product Width (mm):</b>	73
<b>Optic:</b>	Opal diffuser
<b>Material:</b>	Polycarbonate
<b>Construction:</b>	Polycarbonate casing and diffuser
<b>Bulb or Luminaire Shape:</b>	Rectangle
<b>Luminaire Fixing:</b>	Wall/Ceiling mounted
<b>Placement / Application:</b>	Indoor, General Lighting

**Electrical Data**

<b>Power Consumption (w):</b>	38
<b>Power Factor:</b>	0.9
<b>Dimming:</b>	Non-Dimmable
<b>Driver Included:</b>	Yes
<b>Electric Current:</b>	AC

**LVD Certified:** Yes

## Light Data

**Luminous Flux in Lumens (lm):** 4560  
**Luminous efficacy (lm/W):** 120  
**Correlated Colour Temperature (CCT) (K):** 4000  
**Colour Temperature:** 4000K - Cool White  
**Colour Temperature Name:** Cool White  
**Beam Angle:** 120  
**Colour Rendering Index (CRI):** 80  
**Instant on (Less than 1 second):** Yes  
**LED Size (mm):** 2835  
**LED Type:** Surface mounted device (SMD)  
**Lifetime (hours):** 50000  
**Switching Cycles:** 50000  
**Useful Lumens (lm):** 400

## Environment

**LVD Certified:** Yes  
**CE RoHS:** Yes  
**Hg 0% (Mercury Free):** Yes  
**IK Rating (Impact Protection):** IK08  
**IP Rating (Ingress Protection):** IP65  
**Lowest Operating Temperature (°C):** -20  
**Maximum Operating Temperature (°C):** 40

## Packaging

**TOUGHSHELL BATTEN TWIN EMERGENCY 3HR IP65 45W 5400LM 4000K 120 BEAM ANGLE 120LM/W 4FT NON-DIMM NON-LINKABLE**

ILBTD043



The Tough-Shell Batten features a tough IK08 and IP65 dust and waterproof polycarbonate casing with secure clips. The frosted diffuser provides even light distribution. Ideal for demanding environments such as warehouses, factories, car parks and more. This model features an integrated Emergency Function to provide three hours of illumination in the event of a power cut.

**Details**

<b>Quick Order Code:</b>	234465
<b>Barcode:</b>	5055788239864
<b>Category:</b>	Luminaires
<b>Range Name:</b>	Tough-Shell
<b>Type:</b>	Twin
<b>Product Type:</b>	Battens
<b>Product Body Finish:</b>	Matt white
<b>Market Segment:</b>	Indoor commercial, Industrial, residential
<b>Finish:</b>	Matt White
<b>Features:</b>	Emergency Function
<b>Warranty (Years):</b>	3
<b>CE RoHS:</b>	Yes

**Physical Data**

<b>Product Length (mm):</b>	1250
<b>Product Depth (mm):</b>	83
<b>Product Width (mm):</b>	123
<b>Product Weight (g):</b>	2210
<b>Optic:</b>	Polycarbonate diffuser with Stainless Steel Clips
<b>Material:</b>	Polycarbonate
<b>Construction:</b>	Injection moulding
<b>Bulb or Luminaire Shape:</b>	Linear
<b>Luminaire Fixing:</b>	Wall/Ceiling mounted
<b>Mounting Type:</b>	Rear & Side Cable Entry
<b>Placement / Application:</b>	Indoor, General Lighting

**Electrical Data**

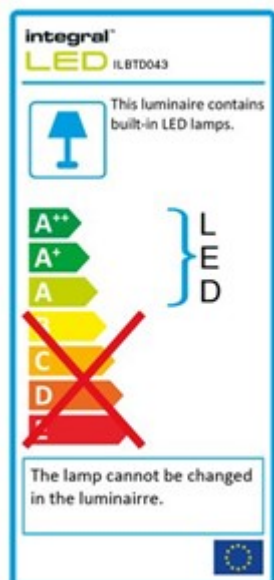
	45
<b>Power Consumption (w):</b>	0.9
<b>Power Factor:</b>	220-240
<b>Input Voltage (V):</b>	Non-Dimmable
<b>Dimming:</b>	Yes
<b>Driver Included:</b>	AC
<b>Electric Current:</b>	Non-Maintained
<b>Emergency Type:</b>	EN-60598
<b>EN:</b>	Yes
<b>LVD Certified:</b>	

### Light Data

<b>Luminous Flux in Lumens (lm):</b>	5400
<b>Luminous efficacy (lm/W):</b>	120
<b>Correlated Colour Temperature (CCT) (K):</b>	4000
<b>Colour Temperature Name:</b>	Cool White
<b>Beam Angle:</b>	120
<b>Colour Rendering Index (CRI):</b>	80
<b>Instant on (Less than 1 second):</b>	Yes
<b>LED Size (mm):</b>	2835
<b>LED Type:</b>	Surface mounted device (SMD)
<b>Lifetime (hours):</b>	30000
<b>Switching Cycles:</b>	50000
<b>Useful Lumens (lm):</b>	5400

### Environment

<b>EN:</b>	EN-60598
<b>LVD Certified:</b>	Yes
<b>CE RoHS:</b>	Yes
<b>EU Luminaire:</b>	L
<b>Hg 0% (Mercury Free):</b>	Yes
<b>IK Rating (Impact Protection):</b>	IK08
<b>IP Rating (Ingress Protection):</b>	IP65
<b>Lowest Operating Temperature (°C):</b>	-20
<b>Maximum Operating Temperature (°C):</b>	40



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## Packaging

Package Weight (g):	2290
Package Length (mm):	1251
Package Width (mm):	123
Package Depth (mm):	83

**TOUGSHELL BATTEN TWIN EMERGENCY 3HR IP65 63W 7500LM 4000K  
120BEAM ANGLE 120LM/W 5FT NON-DIMM NON-LINKABLE**

ILBTD046



The Tough-Shell Batten features a tough IK08 and IP65 dust and waterproof polycarbonate casing with secure clips. The frosted diffuser provides even light distribution. Ideal for demanding environments such as warehouses, factories, car parks and more. This model features an integrated Emergency Function to provide three hours of illumination in the event of a power cut.

**Details**

<b>Quick Order Code:</b>	910400
<b>Barcode:</b>	5055788239925
<b>Category:</b>	Luminaires
<b>Range Name:</b>	Tough-Shell
<b>Type:</b>	Twin
<b>Product Type:</b>	Battens
<b>Product Body Finish:</b>	Matt white
<b>Market Segment:</b>	Indoor commercial, Industrial, residential
<b>Finish:</b>	Matt White
<b>Features:</b>	Emergency Function
<b>Warranty (Years):</b>	3
<b>CE RoHS:</b>	Yes

**Physical Data**

<b>Product Length (mm):</b>	1550
<b>Product Depth (mm):</b>	83
<b>Product Width (mm):</b>	123
<b>Product Weight (g):</b>	2660
<b>Optic:</b>	Polycarbonate diffuser with Stainless Steel Clips
<b>Material:</b>	Polycarbonate
<b>Construction:</b>	Injection moulding
<b>Bulb or Luminaire Shape:</b>	Linear
<b>Luminaire Fixing:</b>	Wall/Ceiling mounted
<b>Mounting Type:</b>	Rear & Side Cable Entry
<b>Placement / Application:</b>	Indoor, General Lighting

**Electrical Data**

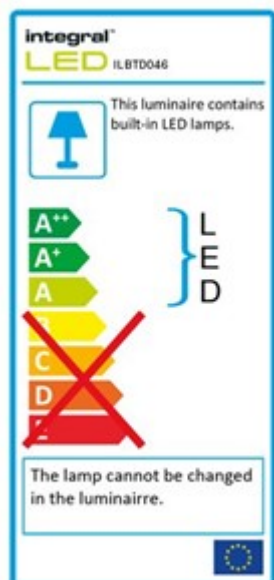
Power Consumption (w):	63
Power Factor:	0.9
Input Voltage (V):	220-240
Dimming:	Non-Dimmable
Driver Included:	Yes
Electric Current:	AC
Emergency Type:	Non-Maintained
EN:	EN-60598
LVD Certified:	Yes

### Light Data

Luminous Flux in Lumens (lm):	7500
Luminous efficacy (lm/W):	119
Correlated Colour Temperature (CCT) (K):	4000
Colour Temperature Name:	Cool White
Beam Angle:	120
Colour Rendering Index (CRI):	80
Instant on (Less than 1 second):	Yes
LED Size (mm):	2835
LED Type:	Surface mounted device (SMD)
Lifetime (hours):	30000
Switching Cycles:	50000
Useful Lumens (lm):	7500

### Environment

EN:	EN-60598
LVD Certified:	Yes
CE RoHS:	Yes
EU Luminaire:	L
Hg 0% (Mercury Free):	Yes
IK Rating (Impact Protection):	IK08
IP Rating (Ingress Protection):	IP65
Lowest Operating Temperature (°C):	-20
Maximum Operating Temperature (°C):	40



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## Packaging

Package Weight (g):	2940
Package Length (mm):	1551
Package Width (mm):	123
Package Depth (mm):	83

**TOUGHSHELL WEATHERPROOF BATTEN IP65 IK10 75W 4000k 9000lm 120° BEAM 6ft 3hr EMERGENCY**

ILBTD111



The Tough-Shell Batten features a tough IK08 and IP65 dust and waterproof polycarbonate casing with secure clips. The frosted diffuser provides even light distribution. Ideal for demanding environments such as warehouses, factories, car parks and more. This model features an integrated Emergency Function to provide three hours of illumination in the event of a power cut.

**Details**

<b>Quick Order Code:</b>	850062
<b>Barcode:</b>	5055788253891
<b>Category:</b>	Luminaires
<b>Range Name:</b>	Tough-Shell
<b>Product Body Finish:</b>	Matt white
<b>Market Segment:</b>	Indoor commercial, Industrial, residential
<b>Finish:</b>	Matt White
<b>Warranty (Years):</b>	3
<b>CE RoHS:</b>	Yes

**Physical Data**

<b>Product Length (mm):</b>	1850
<b>Product Depth (mm):</b>	83
<b>Product Width (mm):</b>	123
<b>Optic:</b>	Opal diffuser
<b>Material:</b>	Polycarbonate
<b>Construction:</b>	Polycarbonate casing and diffuser
<b>Bulb or Luminaire Shape:</b>	Rectangle
<b>Luminaire Fixing:</b>	Wall/Ceiling mounted
<b>Placement / Application:</b>	Indoor, General Lighting

**Electrical Data**

<b>Power Consumption (w):</b>	75
<b>Power Factor:</b>	0.9
<b>Dimming:</b>	Non-Dimmable
<b>Driver Included:</b>	Yes
<b>Electric Current:</b>	AC

**LVD Certified:** Yes

## Light Data

**Luminous Flux in Lumens (lm):** 9000  
**Luminous efficacy (lm/W):** 120  
**Correlated Colour Temperature (CCT) (K):** 4000  
**Colour Temperature:** 4000K - Cool White  
**Colour Temperature Name:** Cool White  
**Beam Angle:** 120  
**Colour Rendering Index (CRI):** 80  
**Instant on (Less than 1 second):** Yes  
**LED Size (mm):** 2835  
**LED Type:** Surface mounted device (SMD)  
**Lifetime (hours):** 50000  
**Switching Cycles:** 50000  
**Useful Lumens (lm):** 400

## Environment

**LVD Certified:** Yes  
**CE RoHS:** Yes  
**Hg 0% (Mercury Free):** Yes  
**IK Rating (Impact Protection):** IK08  
**IP Rating (Ingress Protection):** IP65  
**Lowest Operating Temperature (°C):** -20  
**Maximum Operating Temperature (°C):** 40

## Packaging