EM3H EXIT BOX LED

IP20 | **CLASS I** | **C E**

FEATURES & BENEFITS

> 36 metre excellent viewing distance

> 3hr maintained/non-maintained operation

> Average rated LED life: >50,000hrs

> Energy efficiency >100lm/W

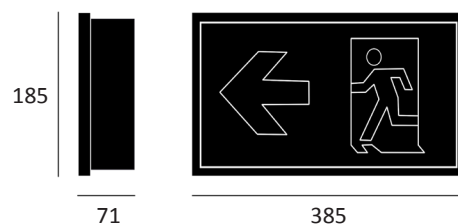> Screen printed panel to ensure uniform illumination of legend

PERFORMANCE

Light source	LED
Supply power	4.2W (maintained)
Charge power	1.7W (non-maintained)
Colour temperature	4000K
	3.6V 1.5Ah NiCd

MATERIALS

Body	Epoxy coated galvanised steel
Finish	White
Legend	Screen printed opal polycarbonate (EC format)
Wiring	20mm top and back cable knockouts

OPTIONS

> Automatic self-test in accordance with BSEN62034 or DALI operation

> ISO legend format

> Central battery functionality

EC FORMAT (SUPPLIED AS STANDARD)

ECAL   ECAD   ECAR

ISO FORMAT (NEW BUILDS)

ISOAL   ISOAU   ISOAR

185

71   385

LAMP	FINISH	LEGEND	STANDARD	DALI/SELF TEST
4.2W	White	Arrow down	83100105	83100103
4.2W	White	Arrow right	83100205	83100203
4.2W	White	Arrow left	83100305	83100303
4.2W	White	Arrow up	83100405	83100403

EMG OVERSIZE LED

IP20 | **CLASS I** | **850°** | **C E**

FEATURES & BENEFITS

> 3hr battery power operation after mains power failure

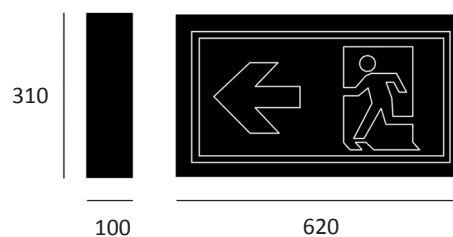> Downlight facility

> EN 60598-2-22 compliant

PERFORMANCE

Light source	LED
Battery	3.6V 4Ah
Viewing distance	57m

MATERIALS

Base	Sheet steel, stove enamelled
Finish	Zintec coated white
Legend	Self-extinguishing polycarbonate
	Arrow down supplied as standard
Wiring	Top and side cable entry.
	Besa entry in the back

OPTIONS

> DALI addressable

> Self-test versions

> Chrome or any RAL finish available on request

> Ceiling mounted option

> Additional legends available

> ACDC slave: 24V, 50V or 110V

> Central battery functionality

310

100   620

	CODE
LED 3hr non-maintained	80800305
T8 3hr non-maintained	80800105
T8 3hr maintained	80800205
Mains only/Static inverter	80800505
ACCESSORIES	
Legend arrow left	90180801
Legend arrow right	90180802
Test switch	90180803

EM3H RECESSED LED

FEATURES & BENEFITS

> 3hr maintained/non-maintained operation

> Attractive slim design

> Screen printed panel to ensure uniform illumination of legend

> Double sided acrylic blade - blank legends available if a single
  side is required

> Quick and easy installation with fixing plate
  and adjustable arms

> 28 metre sign viewing distance

> All main internal wiring is low smoke, zero halogen (LSOH)
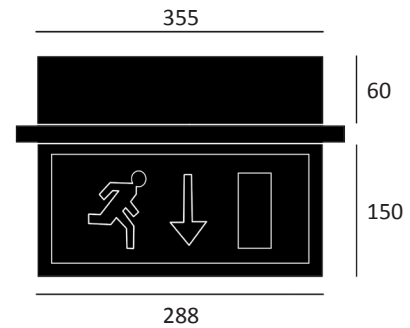
> Fully compliant with EN60598.2.22

PERFORMANCE

Light source	LED (x15)
Supply power	4.5W (maintained)
Charge power	1.7W typically
Colour temperature	5000K
Battery	4.8V 0.9Ah NiCd
Legend	EC format supplied

MATERIALS

Body	Steel
Finish	White
Mounting	Recessed
Wiring	Top and rear cable entry

OPTIONS

> Automatic self-test in accordance with BSEN62034

> Legend ISO format

> Central battery functionality

355

60

150

288

LAMP	LEGEND	DIMENSIONS	STANDARD	DALI
4.5W	Down/Down	288 x 150	82700105	82700103
4.5W	Right/Left	288 x 150	82700205	82700203

EMG CURVE LED

IP20	CLASS I	850°	C E

FEATURES & BENEFITS

> 3hr maintained or non-maintained battery power operation after mains power failure

> Self-testing - continuously tests battery voltage and operation of the LEDs
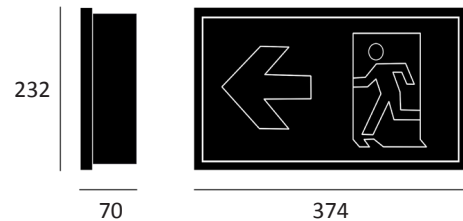
> Downlight facility

PERFORMANCE

Light source	LED (CREE)
Battery	3.6V 3Ah Ni-Cd
Luminaire output	150lm (LED)
Viewing distance	30m

MATERIALS

Base	Sheet steel, stove enamelled
Finish	Zintec coated white
Legend	Self-extinguishing polycarbonate
	Arrow down supplied as standard
Cable knockouts	20mm rear

OPTIONS

> DALI addressable

> Brass or chrome finish available on request

> ISO legends available

> 24V, 50V or 100V ACDC option

> Central battery functionality

232

70   374

	CODE
4W White 3hr maintained	80701105
Mains only / 230V AC static driver	80701505
ACCESSORIES	
Legend arrow left	90180701
Legend arrow right	90180702

EM3H SUSPENDED LED

FEATURES & BENEFITS

> High efficiency LED light source

> 3hr maintained/non-maintained operation

> Attractive slim design

> Screen printed panel to ensure uniform illumination
  of legend

> Quick and easy installation with a fixing plate

> 25 or 30 metre sign viewing distance

> Simple height adjustment with two locking clutch
  bush mechanisms
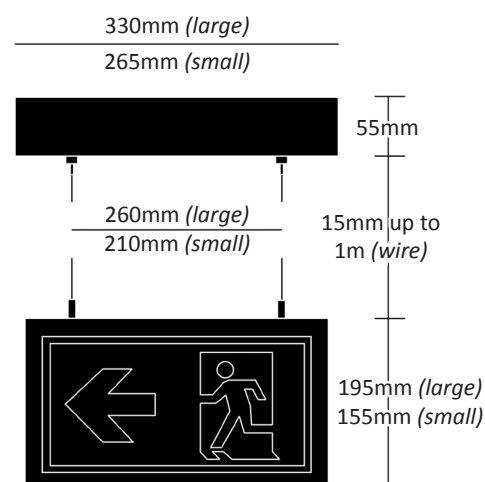
> Fully compliant with EN60598.2.22

PERFORMANCE

Light source	LED (x14)
Supply power	2.6W (25m version),
	3.1W (30m version)
Charge power	0.8W typically
Colour temperature	5000K
Battery	3.6V 900mAh NiCd
Legend	EC & ISO format right/left/down/up
	supplied

MATERIALS

Body	Polycarbonate
Finish	White
Mounting	Suspension wires
	(15-1000mm adjustment)
Wiring	Top and rear cable entry

OPTIONS

> Automatic self-test in accordance with BSEN62034

> DALI

> Central battery functionality

330mm *(large)*
265mm *(small)*

55mm

260mm *(large)*
210mm *(small)*

15mm up to
1m *(wire)*

195mm *(large)*
155mm *(small)*

LAMP	VIEWING DISTANCE	DIMENSIONS	STANDARD	DALI
2.6W	25m	265 x 155	83500105	N/A
3.1W	30m	330 x 195	83500205	83500203

EM3H SURFACE/WALL

IP20 **CLASS II** **C E**

FEATURES & BENEFITS

> Surface ceiling or wall mounted luminaire

> 3hr maintained/non-maintained operation

> Attractive slim design

> Screen printed panel to ensure uniform illumination of legend

> Quick and easy installation with a fixing plate

> 25 or 30 metre sign viewing distance
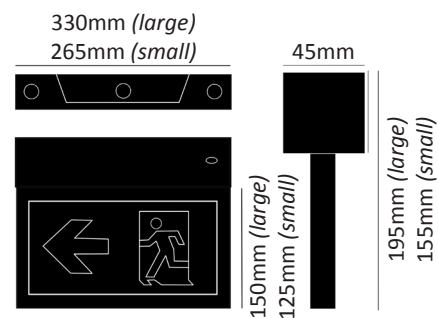
> Fully compliant with EN60598.2.22

PERFORMANCE

Light source	LED (x14)
Supply power	2.6W (25m version),
	3.1W (30m version)
Charge power	0.8W typically
Colour temperature	5000K
Battery	3.6V 900mAh NiCd
Legend	EC & ISO format right/left/down/up supplied

MATERIALS

Body	Polycarbonate
Finish	White
Mounting	Surface (wall or ceiling) via mounting plate
Wiring	Top and rear cable entry

OPTIONS

> Automatic self-test in accordance with BSEN62034

> DALI

> Flag pole mounting bracket allowing the housing to be mounted at 90 degrees to the wall

> Central battery functionality

330mm *(large)*
265mm *(small)*

45mm

150mm *(large)*
125mm *(small)*

195mm *(large)*
155mm *(small)*

LAMP	VIEWING DISTANCE	DIMENSIONS	STANDARD	DALI
2.6W	25m	265 x 155	83400105	N/A
3.1W	30m	330 x 195	83400205	83400203

EM3H WALL SIGN LED

IP20 CLASS I C E

FEATURES & BENEFITS

> Maintained/non-maintained operation

> Attractive slim wall-mounted design

> Quick and easy installation with a fixing plate

> 25 metre viewing distance

>Average rated LED life >50,000hrs

> Fully compliant with EN60598.2.22

PERFORMANCE

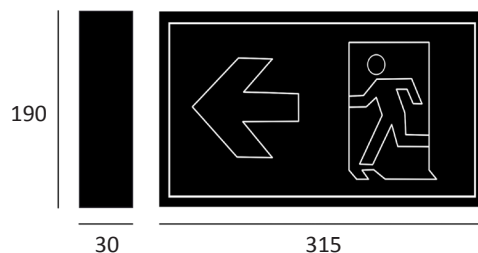|	
Light source	LED (x12)
Supply power	4.2W
Charge power	1.7W typical
Colour temperature	5000K
Battery	4.8V 0.9Ah NiMH
Legend	EC Format

MATERIALS

Body	Steel
Finish	White / Silver
Mounting	Wall
Wiring	20mm rear cable entry or via the central BESA entry

OPTIONS

> Automatic self-test in accordance with BSEN62034

> ISO format legends

> Mains only version

> Central battery functionality

190

30   315

LAMP	FINISH	LEGEND	STANDARD	DALI
4.2W	White	Down	83800105	83800103
4.2W	Silver	Down	83800205	83800203
4.2W	White	Right	83800305	83800303
4.2W	Silver	Right	83800405	83800403
4.2W	White	Left	83800505	83800503
4.2W	Silver	Left	83800605	83800603

EM3H CURVED ESCAPE LED

FEATURES & BENEFITS

> High efficiency LED light source

> 3hr maintained/non-maintained operation

> Available with or without hanging blade exit sign

> 30 metre sign viewing distance

> Excellent light distribution
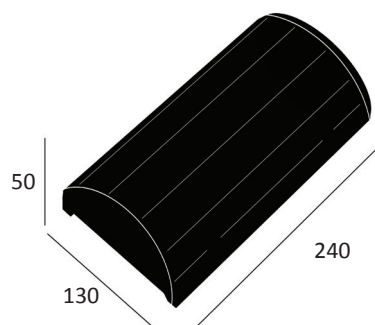
> Fully compliant with EN60698.2.22

PERFORMANCE

Light source	LED (x16)
Supply power	4.2W
Charge power	1.7W
Luminaire output	135lm (5000K)
CRI	>80
Battery	3.6V 1.5Ah NiCd (3hr operation)

MATERIALS

Body	Polycarbonate, white finish
Diffuser	Clear polycarbonate
Wiring	Cable entry in both ends and back plate

OPTIONS

> Automatic self-test in accordance with BSEN62034

> ISO legend format

> Stainless steel version

> Central battery functionality

50

240

130

LAMP	LEGEND	STANDARD	DALI
4.2W	None	82900105	82900103
4.2W	Arrow down	82900205	82900203
4.2W	Arrow right	82900305	82900303
4.2W	Arrow left	82900405	82900403

EM3H DECORATIVE SUSPENDED

FEATURES & BENEFITS

> 3hr maintained/non-maintained operation

> Attractive stylish design

> Single or double-sided acrylic blade

> 28 metre sign viewing distance

> Low Smoke, Zero Halogen internal wiring

> Simple height adjustment with two locking clutch
   bush mechanisms
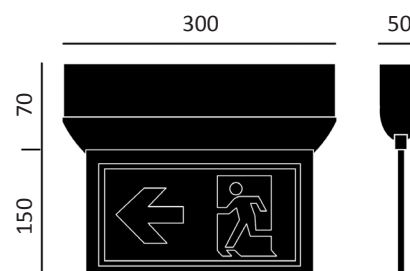
> Fully compliant with EN60598.2.22

PERFORMANCE

Light source	LED (x15)
Supply power	4.5W (maintained)
Charge power	1.7W typically
Colour temperature	5000K
Battery	4.8V 0.9Ah NiCd
Legend	EC & ISO format right/left/down/up supplied

MATERIALS

Body	Extruded aluminium
Finish	White / Silver
Mounting	Suspension wires - adjustable to 1 metre

OPTIONS

> Brass finish

> ISO format for legends

> Central battery functionality

LAMP	BLADE	LEGEND	FINISH	DIMENSIONS	STANDARD	DALI
4.5W	Single	Down	Silver	300 x 220	82802005	82802003
4.5W	Single	Down	White	300 x 220	82802105	82802103
4.5W	Single	Left	Silver	300 x 220	82802205	82802203
4.5W	Single	Left	White	300 x 220	82802305	82802303
4.5W	Single	Right	Silver	300 x 220	82802405	82802403
4.5W	Single	Right	White	300 x 220	82802505	82802503
4.5W	Double	Down	Silver	300 x 220	82802605	82802603
4.5W	Double	Down	White	300 x 220	82802705	82802703
4.5W	Double	Left/Right	Silver	300 x 220	82802805	82802803
4.5W	Double	Left/Right	White	300 x 220	82802905	82802903

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EM3H DECORATIVE SURFACE

IP20   CLASS I   C E

FEATURES & BENEFITS

> 3hr maintained/non-maintained operation

> Attractive and stylish design

> Double-sided acrylic blade

> Quick and easy surface installation with a fixing plate

> 28 metre sign viewing distance

> Low Smoke, Zero Halogen wiring
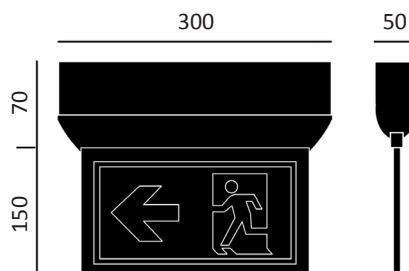
> Fully compliant with EN60598.2.22

PERFORMANCE

Light source	LED (x15)
Supply power	4.5W (maintained)
Charge power	1.7W typically
Colour temperature	5000K
Battery	4.8V 0.9Ah NiCd
Legend	EC format as standard

MATERIALS

Body	Extruded aluminium
Finish	White / Silver
Mounting	Surface (wall or ceiling)
Wiring	Top and rear cable entry

OPTIONS

> Wall mounting bracket (parallel to the wall)

> End fixing flag pole mounting bracket
  (perpendicular to the wall)

> Brass finish

> Central battery functionality

LAMP	BLADE	LEGEND	FINISH	DIMENSIONS	STANDARD	DALI
4.5W	Single	Down	Silver	300 x 220	82801005	82801003
4.5W	Single	Down	White	300 x 220	82801105	82801103
4.5W	Single	Left	Silver	300 x 220	82801205	82801203
4.5W	Single	Left	White	300 x 220	82801305	82801303
4.5W	Single	Right	Silver	300 x 220	82801405	82801403
4.5W	Single	Right	White	300 x 220	82801505	82801503
4.5W	Double	Down	Silver	300 x 220	82801605	82801603
4.5W	Double	Down	White	300 x 220	82801705	82801703
4.5W	Double	Left/Right	Silver	300 x 220	82801805	82801803
4.5W	Double	Left/Right	White	300 x 220	82801905	82801903

EM3H ESCAPE

FEATURES & BENEFITS

> High efficiency LED light source

> Maintained/non-maintained 3hr operation

> Maintenance-free operation

> Average rated LED life: >50,000hrs

> 32 metre sign viewing distance

> Equivalent light output to 8W T5 bulkheads

> Fully compliant with EN60698.2.22

> DALI self-test in accordance with BSEN62034

PERFORMANCE

Light source	LED (x16)
Supply power	4.2W
Charge power	1.7W
Luminaire output	135lm
Colour temperature	5000K
Battery	3.6V 1.5Ah NiCd
Legend	EC format self adhesive kit

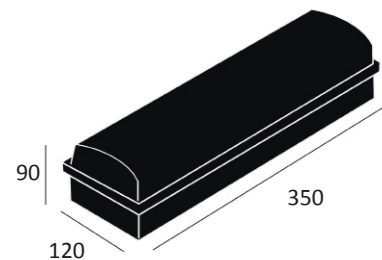## MATERIALS

Finish	White polycarbonate
Diffuser	Clear fresnel
Wiring	20mm drill points

OPTIONS

> Double sided signage with 150mm deep opal diffuser

> ISO legend format

> Semi-recessing kit

> Central battery functionality

90

350

120

LAMP	LEGEND	STANDARD	DALI/SELF TEST
4.2W	None	83000105	83000103
4.2W	Arrow down	83000205	83000203
4.2W	Arrow right	83000305	83000303
4.2W	Arrow left	83000405	83000403

EM3H TWIN SPOT LED

FEATURES & BENEFITS

> High efficiency LED light source

> Fine optical control for effective area illumination

> Non-maintained operation
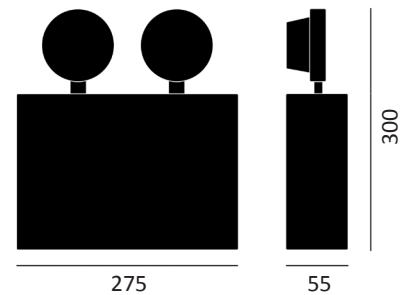
> Fully compliant with EN60698.2.22

PERFORMANCE

Light source	LED (x 9 each head)
Power	2 x 3W
Luminous flux	2 x 380lm
Colour temperature	5000K
Battery	3.6V 4Ah NiCd (3hr operation)
Weight	3.6kg (max)

MATERIALS

Body	Polycarbonate
Lens	Polycarbonate
Mounting	Surface
Wiring	20mm knockouts side and rear

OPTIONS

> Automatic self-test in accordance with BSEN62034

> DALI

> Central battery functionality

300

275   55

LAMP	LUMENS	STANDARD	DALI
2 x 3W	2 x 380lm	82400105	82400103

EM3H IP65 TWIN

FEATURES & BENEFITS

> High efficiency LED light source

> Fine optical control for effective area illumination

> No need to open the luminaire and risk compromising the integrity of its IP rating

> Fully compliant with EN60598.2.22

> Typically wall mounted 3m high, it can be spaced 25 metres apart to achieve 1Lux at the centre line of a corridor
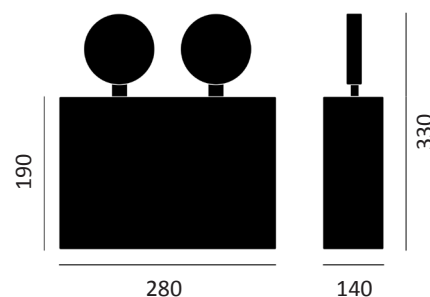
PERFORMANCE

Light source	LED (x 6 each head)
Supply power	2 x 5W
Charge power	2W (max)
Luminaire output	2 x 475lm
Colour temperature	5000K
Battery	7.2V 4.5Ah NiCd (3hr operation)

MATERIALS

Body	GRP
Heads	Die-cast aluminium
Lens	Polycarbonate
Wiring	Cable entry rear and side

OPTIONS

> Automatic self-test in accordance with BSEN62034

> DALI

> Central battery functionality

LAMP	LUMENS	STANDARD	DALI
2 x 5W	2 x 475lm	82400205	82400203

EM3H SPOT LED

IP40 | CLASS II | C E

FEATURES & BENEFITS

> Self-contained energy efficient LED downlight that can be either recessed or surface mounted.

> 3hr non-maintained operation

> Supplied with a clip-in wide angle lens (for open areas) and asymmetric lens (for corridors and escape routes)

> Lithium Iron Phosphate (LiFE) battery ensures long life without the thermal concerns associated with Nickel Metal Hydride battery technology.

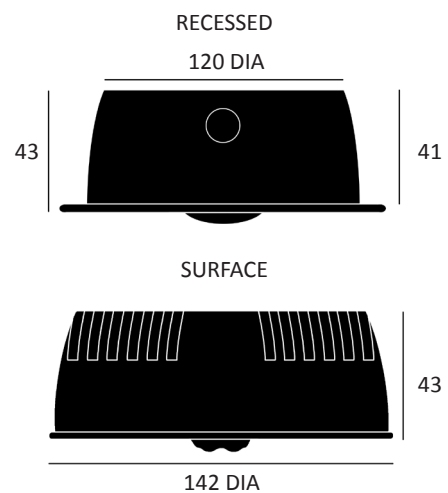> Automatic self-test function

> DALI addressable

PERFORMANCE

Light source	LED (Nichia)
Luminaire output	260lm (max)
Battery recharge	<24 hours
Rated voltage	220-240V AC
Battery discharge current	370mA (nominal)

MATERIALS

Body	Fire retardant plastic
Finish	White / Black
Diffuser	Recessed / Surface

OPTIONS

> LSOH cables

RECESSED
120 DIA
43
41

SURFACE
43
142 DIA

LAMP	FINISH	DALI
3W	White	82500103
3W	Black	82500403

EMG RECESSED SPOT

IP20 **CLASS I** **C E**

FEATURES & BENEFITS

> High efficiency LED light source

> Open area or corridor optic

> Bi-colour LED charge indicator

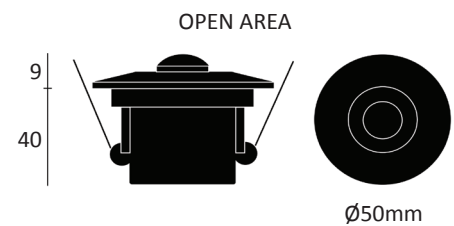> Supplied with plugs and leads for easy installation

PERFORMANCE

Light source	LED (Edison)
Lumen output	156lm (350mA), 224lm (500mA), 268lm (700mA) - open area
	152lm (350mA), 232lm (500mA) 266lm (700mA) - corridor
Colour temperature	6500K
Battery	3.6V 4.5Ah NiCd
Input voltage	4V DC Max
Maximum forward current	700mA
Beam angle	135° (open area), 155° x 115° (corridor)

MATERIALS

Body	Polycarbonate
Finish	White (RAL 9016) / Silver (RAL9006) / Black (RAL 9005)
Mounting	Recessed
Cut out	Ø43mm. Minimum void depth: 40mm
Wiring	Series connection via C4201 plug

OPTIONS

> Self-Test

OPEN AREA

9

40

Ø50mm

POWER	OPTIC	FINISH	STANDARD	DALI
3W	Open area	White	80902105	80902103
3W	Corridor	White	80902205	80902203
3W	Open area	Black	80902505	80902503
3W	Corridor	Black	80902605	80902603

EMG TRACK

A flexible, self-contained three circuit track mounted solution for LED emergency applications.

FEATURES & BENEFITS

> 3hr non-maintained emergency operation

> Avoids the need for separate emergency lighting

> Energy efficient LED light source - long lamp life

> Eutrac or Global Track compatible

PERFORMANCE

Light source	LED
Battery	3.6V 4.0Ah NiMH
Luminaire output	190lm (max)
Beam angle	60˚
CRI	>80
Mains supply current	20mA
Discharge current	375mA
Recharge period	<24hrs

MATERIALS

Housing	Sheet steel
Finish	White / Silver / Black
Mounting	Three circuit track (mechanically locked)

OPTIONS

> DALI

> Maintained operation

50 | 58 | 415mm

POWER	COLOUR TEMP	FINISH	BRAND	STANDARD	DALI
3W	6000K	White	Eutrac	81600105	81600103
3W	6000K	Silver	Eutrac	81600205	81600203
3W	6000K	Black	Eutrac	81600305	81600303
3W	6000K	White	Global	81600405	81600403
3W	6000K	Silver	Global	81600505	81600503
3W	6000K	Black	Global	81600605	81600603