

# RAZOR PROFESSIONAL - 16M

Razor Professional Slimblade Recessed Emergency Exit, 16m

## FEATURES

- Single and double-sided decals
- Soft-start charger to reduce building load
- Available in low illumination area black model
- Fast emergency switch-over (<0.5s) for high-task areas
- Chain and rod mounting with Surface and Rod Mount Kit
- Long life electronics
- 10 years design life at max. ambient
- High Quality Lithium battery (LiFePO4) and smart charger
- Self test (AS2293/IEC62034)
- Fully compliant (AS/NZS 2293)



## SELECTED MODELS

- DALI (IEC 62386-202) DT1
- Ektor wired monitored system
- Wireless meshing system
- IEC 62386 over IEC 62386-104
- Wireless monitoring via Ektor Lynk

### MECHANICAL

<b>Body Material</b>	Polycarbonate
<b>Diffuser Material</b>	PMMA
<b>Fitting Colour</b>	
<b>EV-RAZOR-16M-PRO</b> <b>EV-RAZOR-16M-PRO-LK</b>	White
<b>EV-RAZOR-16M-PRO-B</b> <b>EV-RAZOR-16M-PRO-B-LK</b>	Black
<b>Installation Type</b>	Recessed
<b>IP Rating</b>	IP20

### ELECTRICAL

<b>Electrical Rating</b>	Class II
<b>Input Frequency</b>	50 Hz
<b>Input voltage</b>	230Vac
In Australia the Input voltage is defined as 230Vac -6%/+10%. This effectively means that the voltage range of these products are 216Vac - 253Vac or 240V +6%	
<b>Maximum Wattage</b>	3.7 W
<b>Standby Power</b>	1.7 W

Standby power for non-maintained/switched maintained emergency devices is measured when the light is off and the charger is in standby mode. For maintained emergency devices, standby power is measured when the light is on

and the charger is in standby mode. Typically, charging occurs for the first 16 hours after the device is powered or after a battery discharge.

<b>Working Temp Range</b>	0 to 40 °C
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### LAMP

<b>CCT Configuration</b>	Single
<b>CRI</b>	>80
<b>Lamp/LED Current</b>	0.06 mA
<b>Lamp/LED voltage</b>	9 V

### LED LIFETIME

<b>LED Lifetime Rating</b>	
<b>EV-RAZOR-16M-PRO</b> <b>EV-RAZOR-16M-PRO-LK</b>	>18Y/00M
<b>EV-RAZOR-16M-PRO-B</b> <b>EV-RAZOR-16M-PRO-B-LK</b>	>26Y/10M

AS2293.3-2018 Projection of Light source life for LED Exit signs (appendix E) Defines the projected time until the surface luminance falls below the minimum required surface luminance for an exit sign.



## COLOUR TEMPERATURE

CCT 6000K

LED Wattage 0.6 W

## DRIVER

Dimmable No

Driver Included Yes

Integrated Driver No

### Driver Type

EV-RAZOR-16M-PRO DALI DT1 Emergency

EV-RAZOR-16M-PRO-B

EV-RAZOR-16M-PRO-B-LK Wireless (IEC62386-104) with DT1

EV-RAZOR-16M-PRO-LK

Flex & Plug or Lead Length 1200 mm

Wiring Type Re-wireable Flex & Plug (2 pin)

## EMERGENCY (EM SUFFIX)

Replacement Battery Code 01302

### Emergency Classification

EV-RAZOR-16M-PRO C0:C40, C90:C32

EV-RAZOR-16M-PRO-B

EV-RAZOR-16M-PRO-B-LK C0:E6.3, C90:C20

EV-RAZOR-16M-PRO-LK

### Emergency Control

EV-RAZOR-16M-PRO DALI Monitored (DT1)

EV-RAZOR-16M-PRO-B

EV-RAZOR-16M-PRO-B-LK IEC62386-104 (Wireless DT1)

EV-RAZOR-16M-PRO-LK

DALI Monitored ~ Supports Emergency test and monitoring over DALI (IEC62386) with full compliance to IEC62386-202.

IEC62386-104 ~ Supports wireless test and monitoring over IEC62386-104 using IEC62386-202.

Decal Size 200 x 100 mm

Emergency Duration 90 mins

Emergency Mode Maintained

Emergency Output Power 750 mW

Viewing Distance 16 m

## COMPLIANCE

Product Design Life 10 years

The product design life relates to the total product life which includes LEDs, drivers and the enclosure. This is different to the LED lifetime which only refers to the economical lifetime of the LEDs at which time the lumen output has dropped below the L Value. The product design life is calculated at the maximum ambient or working temperature of the product and takes into account the Daily Use.

Standards AS/NZS 60598.1  
AS 60598.2.22  
AS/NZS 61347.1  
AS/NZS 61347.2.13  
AS CISPR 15  
AS/NZS 2293.3

## WARRANTY

Commercial Use Warranty 5 RTB (Total 5 Years)

## DIMENSIONS

Minimum Ceiling Depth 100 mm

Cutout 305 x 65 mm

Product Height 210 mm

Product Length 365 mm

### Product Width

EV-RAZOR-16M-PRO 95 mm

EV-RAZOR-16M-PRO-B

EV-RAZOR-16M-PRO-B-LK 65 mm

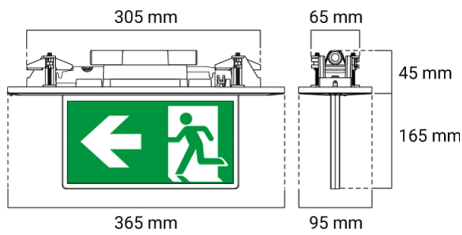
EV-RAZOR-16M-PRO-LK

## ORDERING INFORMATION

ORDER CODE	ITEM CODE	DESCRIPTION
02684	<a href="#">EV-RAZOR-16M-PRO</a>	Ektor Razor Recessed EM edgelite Exit - 16M - PRO
02685	<a href="#">EV-RAZOR-16M-PRO-B</a>	Ektor Razor Recessed EM edgelite Exit - 16M - Black - PRO
18067	<a href="#">EV-RAZOR-16M-PRO-B-LK</a>	Ektor Lynk Razor Recessed EM edgelit Exit - 16M - Black - PRO w/wireless
18066	<a href="#">EV-RAZOR-16M-PRO-LK</a>	Ektor Lynk Razor Recessed Emergency edgelite Exit - 16M - PRO w/wireless

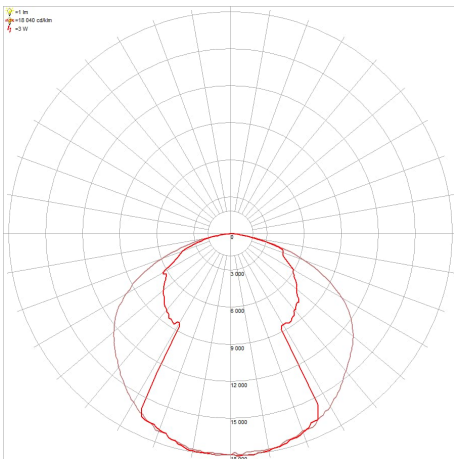
## LINE DRAWINGS

### EV/RAZOR/16M/PRO



## PHOTOMETRICS

### EV/RAZOR/16M/PRO/B\_02685\_2hr



## ACCESSORIES

ORDER CODE	ITEM CODE	DESCRIPTION
01302	<a href="#">EV-1500mAh-6.4V-LiFePO4</a>	Battery- Stick 1500mAh 6.4V- 2 Cell LifePO4
00705	<a href="#">EV-CMS-2.4M-5PIN</a>	CMS 2.4M 5 Pin Plug Set
11790	<a href="#">EV-CMS-5CORE-DALI-F&amp;P</a>	CMS 2.5M 5 core DALI ext earth flex and plug
11967	<a href="#">EV-DAUGHTERBOARD-LK</a>	Ektor Lynk wireless daughterboard
02989	<a href="#">EV-RAZOR-16M-DIFF</a>	Razor 16M Diffuser
02990	<a href="#">EV-RAZOR-16M-DIFF-B</a>	Razor 16M Diffuser - Black
02985	<a href="#">EV-RAZOR-16M-DP</a>	Razor 16M decal pack to suit 02684
02986	<a href="#">EV-RAZOR-16M-DP-B</a>	Razor 16M decal pack - Black to suit 02685
02983	<a href="#">EV-RAZOR-LED-FIRE-16M-R-MAN DEC</a>	Razor-Ledfire 16M RM decals (right-left & straight)



02981	<b>EV-RAZOR-LEDFIRE-SM-KIT</b>	Surface Mounted Kit to suit 2684- 2686- 2660- 2663- 2681- 2661 & 2677
02982	<b>EV-RAZOR-LEDFIRE-SM-KIT-B</b>	Black Surface Mounted Kit to suit 2685- 2687- 2664 & 2665.
05302	<b>EV-RAZOR-PLATE</b>	Steel Plate for Large Hole in Ceiling to suit 2684- 2686- 2660- 2661 & 2663.
02004	<b>EV-RODMOUNT-BLK</b>	Rodmount Brackets only for roof and luminaire body - Black (Rod size -25mm)
00706	<b>EV-WAGO-2.4M-F&amp;P</b>	Wago 2.4M Plug 5-P Blue WAGO 51110475
00709	<b>EV-WIREDBYCLICK-2.4M-F&amp;P</b>	Wire By Click 2.4M 5-Pin Lead L1025/5