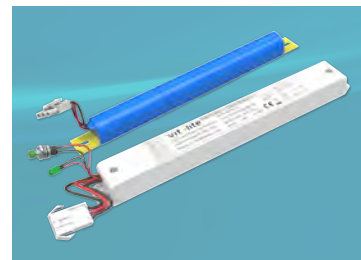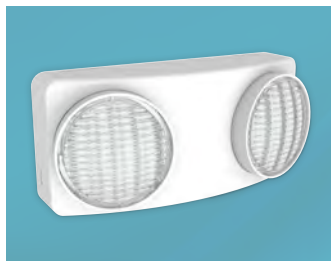# vitalite®

2022 Product Catalogue

Emergency Lighting

Emergency Conversion Kit

LED Driver & Magnetic Ballast

Made in **Malaysia**

VITALITE INDUSTRY SDN. BHD. (formerly VANTAGE INDUSTRIES SDN. BHD.), has been established since 1987. VITALITE has the experience in magnetic ballast and choke industry for more than **30** years. With its strong background, VITALITE diversified into emergency lighting manufacturing and LED Drivers are now the fastest growing manufacturer of LED emergency lighting fittings / luminaires and LED Drivers in Malaysia.

The core product of **VITALITE** are:-

EMERGENCY LIGHTING…
Recessed Emergency Light, Surface Emergency Light, KELUAR Sign & EXIT Sign.

LED DRIVER & MAGNETIC BALLASTS
LED Driver, LED Electronic / Magnetic Transformer, T8 / CFL / HID Magnetic Ballast.

ACCESSORIES & ATTACHMENTS…
Emergency Conversion Kit & Ni-Cd Battery.

VITALITE moved into its factory building in 1987 to accommodate the demand for its products. The factory is located in Menglembu, Perak.

VITALITE is well equipped with machinery such as Coil Winding Machines, High-Speed Stamping Machines, Automatic Ballast Varnish Machines, Welding Machine, Cutting, Bending and Forming Machines.

VITALITE has a Research and Development Department team which oversee quality at its utmost. The company has its own in-house test lab to cater for the testing of all products. The lab consist of equipments such as Power AC Analyser, LED Driver Tester, Withstanding High Voltage Tester, Earth Continuity Tester, Humidity Chamber.

Its components are procured locally and internationally which are subjected to rigorous testing procedures in compliance with the Malaysia Standards (MS) and IEC standards.

VITALITE has a parent company, **YLI INDUSTRY SDN. BHD.**, which has since opened 5 Branches in Malaysia to market the products nationwide and 6 subsidiary / associate companies in Australia, Cambodia, China, Indonesia, Singapore & Thailand.

vitalite

Contents

vitalite

Legend	Model
KELUAR	**VKS 560/B/RM**
KELUAR↑	**VKS 560/B/S**
←KELUAR	**VKS 560/B/L**
KELUAR➜	**VKS 560/B/R**

Specifications :

Mild Steel Housing
Opal Diffuser With KELUAR Sign

Test Standard :

MS 983:2004
MS 619-2-22:2005
MS IEC 60598-1:2012

Mounting Method :

Wall Mounted
Above Doors / Entrances & Exits

Certified by :

SIRIM QAS INTERNATIONAL SDN. BHD.
JABATAN BOMBA DAN PENYELAMAT MALAYSIA
JKR Approved

560
160
56
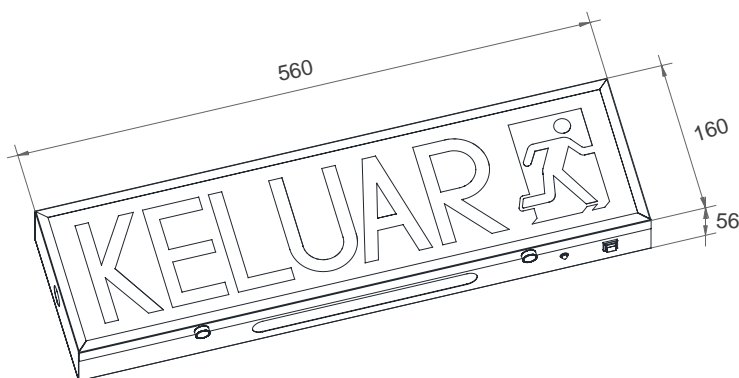
Mains Supply	220 – 240V 50/60Hz	Rating	≤ 0.025A / ≤ 4.5W / 0.79 PF
Mode of Operation	Maintained	Classification	Class 1
Lamp	LED 2835 (14 PCS)	Degree of Protection	IP 20
Battery	Ni-Cd AA 4.8V 1000mAh	Max. Operating Temperature (ta)	35°C
Emergency Duration	3 Hours	Recommended Mounting Height	Min. 2.3m
Recharge Period	14 - 16 Hours	Weight	1.15 KG

Packing   : 10 sets per carton box
Outer carton box : L587 X W357 X H370 mm (14.05 kg)
Inner carton box : L572 X W173 X H67 mm (1.30 kg)

vitalite

Legend	Model
KELUAR	VKS 570/WP/RM
KELUAR↑	VKS 570/WP/S
←KELUAR	VKS 570/WP/L
KELUAR→	VKS 570/WP/R

Mounting Bracket

Specifications :

Polycarbonate Housing & Diffuser

Mounting Method :

Wall Mounted For Outdoor Area
Above Doors / Exits

Test Standard :

MS 983:2004
MS 619-2-22:2005
MS IEC 60598-1:2012

Certified by :

SIRIM QAS INTERNATIONAL SDN. BHD.
JABATAN BOMBA DAN PENYELAMAT MALAYSIA

169   574   66

4.5   9   95   132.5   360   380   24   24
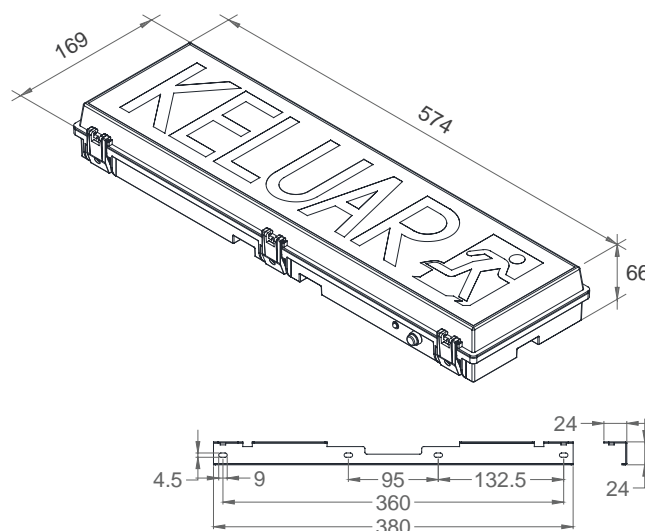
Mains Supply	220 – 240V 50/60Hz	Rating	0.01A / 2.5W / 0.9 PF
Mode of Operation	Maintained	Classification	Class II
Lamp	LED 2835 (5 PCS)	Degree of Protection	IP 65
Battery	Ni-Cd AA 3.6V 900mAh	Max. Operating Temperature (ta)	40°C
Emergency Duration	3 Hours	Recommended Mounting Height	Min. 2.3m
Recharge Period	24 Hours	Weight	1.14 KG

Packing   : 10 sets per carton box
Outer carton box : L605 X W395 X H405 mm (14.27 kg)
Inner carton box : L588 X W187 X H74 mm (1.30 kg)

VITALITE INDUSTRY SDN. BHD. Reserves the rights to alternate the specification of its product at any time without prior notice.
Pictures shown are for illustration purpose only.

5

vitalite

Legend	Model
KELUAR 🏃	**VKS 555/STS/RM** *(Single Sided View)*
KELUAR ↑	**VKS 555/STS/SA** *(Single Sided View)*
← KELUAR KELUAR →	**VKS 555/STS/LRA** *(Double Sided View)*

Specifications :

Aluminium Extruded Housing
Mild Steel Mounting Base
Polycarbonate Diffuser Panel With KELUAR Sign

Mounting Method :

Surface Ceiling Mounted

Certified by :

SIRIM QAS INTERNATIONAL SDN. BHD.
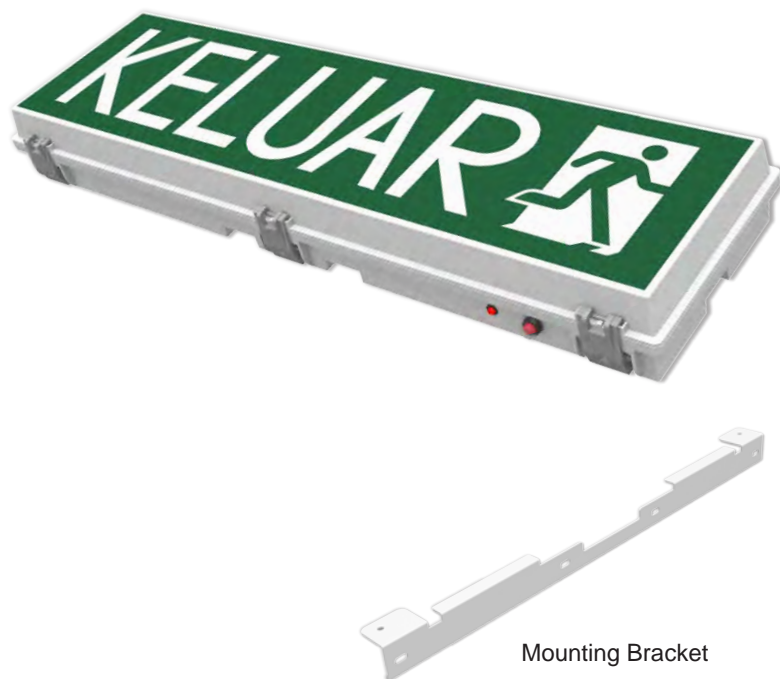JABATAN BOMBA DAN PENYELAMAT MALAYSIA

Mains Supply	220 – 240V 50/60Hz	Rating	0.01A / 2.7W / 0.85 PF
Mode of Operation	Maintained	Classification	Class 1
Lamp	LED 2835 (28 PCS)	Degree of Protection	IP 20
Battery	Ni-Cd AA 3.6V 900mAh	Max. Operating Temperature (ta)	40°C
Emergency Duration	3 Hours	Recommended Mounting Height	Min. 2.3m
Recharge Period	24 Hours	Weight	1.85 KG

Packing   : 10 sets per carton box
Outer carton box : L643 X W462 X H522 mm (22.95 kg)
Inner carton box : L628 X W88 X H248 mm (2.18 kg)

vitalite

LED Keluar Sign - Slim Type (Semi-Recessed)

Legend	Model
KELUAR (running man)	**VKS 555/STSR/RM** *(Single Sided View)*
KELUAR ↑	**VKS 555/STSR/SA** *(Single Sided View)*
← KELUAR KELUAR →	**VKS 555/STSR/LRA** *(Double Sided View)*

Specifications :

Aluminium Extruded Housing
Mild Steel Mounting Base
Polycarbonate Diffuser Panel With KELUAR Sign

Mounting Method :

Recessed Plaster Ceiling
(Cut Out Size L570mm x W60mm)

Certified by :

SIRIM QAS INTERNATIONAL SDN. BHD.
JABATAN BOMBA DAN PENYELAMAT MALAYSIA

Mains Supply	220 – 240V 50/60Hz	Rating	0.01A / 2.7W / 0.85 PF
Mode of Operation	Maintained	Classification	Class 1
Lamp	LED 2835 (28 PCS)	Degree of Protection	IP 20
Battery	Ni-Cd AA 3.6V 900mAh	Max. Operating Temperature (ta)	40°C
Emergency Duration	3 Hours	Recommended Mounting Height	Min. 2.3m
Recharge Period	24 Hours	Weight	2.15 KG

Packing   : 10 sets per carton box
Outer carton box : L643 X W462 X H522 mm (26.15 kg)
Inner carton box : L628 X W88 X H248 mm (2.43 kg)

vitalite

LED Emergency Light - Surface & Recessed Type

VEL 250/S

Surface Ceiling / Wall

VEL 250/R

Recessed Plaster Ceiling

Specifications :

Mild Steel Housing
Mild Steel Ressed Frame
Polycarbonate Opal Linear Diffuser
Polycarbonate End Cap

Mounting Method :

Surface Ceiling / Wall /
Recessed Plaster Ceiling
(Cut Out Size L265mm x W85mm)

Certified by :

SIRIM QAS INTERNATIONAL SDN. BHD.
JABATAN BOMBA DAN PENYELAMAT MALAYSIA

Test Standard :

MS 619-2-22:2005
MS IEC 60598-1:2012

VEL 250/R
109
281
65

VEL 250/S
81
250
65
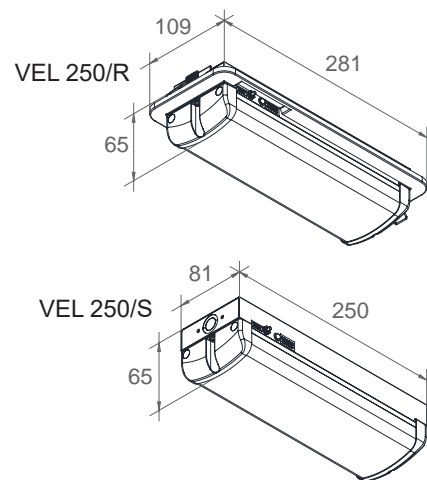
Mains Supply	220 – 240V 50/60Hz	Rating		0.005A / 1W / 0.91 PF
Mode of Operation	Non-Maintained	Rated Lumen Output		62lm
Lamp	LED 2835 (8 PCS)	Classification / Degree of Protection		Class 1 / IP 20
Battery	Ni-Cd AA 2.4V 900mAh	Max. Operating Temperature (ta)		35°C
Emergency Duration	3 Hours	Recommended Mounting Height		Min. 3m
Recharge Period	24 Hours	Weight	VEL 250/S	0.41 KG
			VEL 250/R	0.52 KG

VEL 330/S

VEL 330/ST

Specifications :

Mild Steel Housing
Polycarbonate Opal Linear Diffuser

Test Standard :

MS 619-2-22:2005
MS IEC 60598-1:2012

Mounting Method :

Surface Ceiling / Wall

Certified by :

SIRIM QAS INTERNATIONAL SDN. BHD.
JABATAN BOMBA DAN PENYELAMAT MALAYSIA
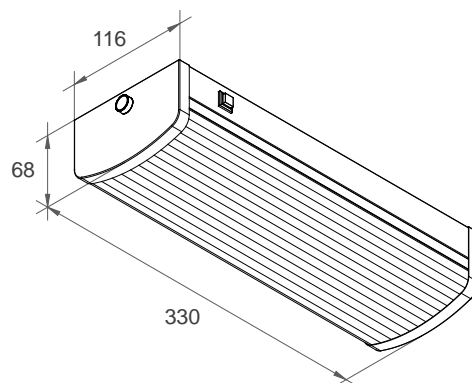
Mains Supply		220 – 240V 50/60Hz	Rating		VEL 330/S	< 0.03A / < 1.2W / 0.32 PF
					VEL 330/ST	0.005A / 1.2W / 0.91 PF
Mode of Operation		Non-Maintained	Rated Lumen			75lm
Lamp		LED 2835 (20 PCS)	Classification / Degree of Protection			Class 1 / IP 20
Battery	VEL 330/S	Ni-Cd AA 3.6V 1000mAh	Max. Operating Temperature (ta)			35°C
	VEL 330/ST	Ni-Cd AA 3.6V 900mAh				
Emergency Duration		3 Hours	Recommended Mounting Height			Min. 3m
Recharge Period		24 Hours	Weight			0.72 KG

Packing   : 15 sets per carton box
Outer carton box : L442 X W384 X H367 mm (13.10 kg)
Inner carton box : L346 X W122 X H83 mm (0.81 kg)

VEL 360/R

VEL 360/RT

Specifications :

Mild Steel Housing
Prismatic Diffuser
Stainless Steel Spring Clips

Test Standard :

MS 619-2-22:2005
MS IEC 60598-1:2012

Mounting Method :

Recessed Plaster Ceiling
Hole Cut: 350mm x 125mm

Certified by :

SIRIM QAS INTERNATIONAL SDN. BHD.
JABATAN BOMBA DAN PENYELAMAT MALAYSIA
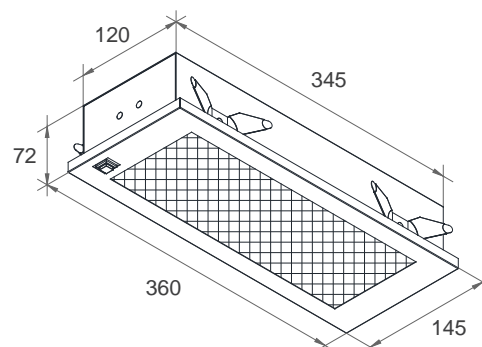
Mains Supply		220 – 240V 50/60Hz	Rating		VEL 360/R	< 0.03A / < 1.2W / 0.32 PF
					VEL 360/RT	0.005A / 1.2W / 0.91 PF
Mode of Operation		Non-Maintained	Rated Lumen			75lm
Lamp		LED 2835 (20 PCS)	Classification / Degree of Protection			Class 1 / IP 20
Battery	VEL 360/R	Ni-Cd AA 3.6V 1000mAh	Max. Operating Temperature (ta)			35°C
	VEL 360/RT	Ni-Cd AA 3.6V 900mAh				
Emergency Duration		3 Hours	Recommended Mounting Height			Min. 3m
Recharge Period		24 Hours	Weight			1.05 KG

Packing   : 15 sets per carton box
Outer carton box : L474 X W447 X H397 mm (18.40 kg)
Inner carton box : L366 X W152 X H84 mm (1.15 kg)

vitalite

LED Emergency Light - Round Recessed Type

VELR 75/R	VELR 115/R

Specifications :

Metal Rim (Matt White)
Separate Mild Steel Gear Box (Black)
Stainless Steel Spring Clips
Polycarbonate Frosted Diffuser

Test Standard :

MS 619-2-22:2005
MS IEC 60598-1:2012

Mounting Method :

Recessed Plaster Ceiling
VELR 75 - Hole Cut: D67 mm
VELR 115 - Hole Cut: D100 mm

VELR 75/R
H34   D75   L200 x W55   35

VELR 115/R
H34   D115   L200 x W55   35

Certified by :

SIRIM QAS INTERNATIONAL SDN. BHD.
JABATAN BOMBA DAN PENYELAMAT MALAYSIA

Mains Supply	220 – 240V 50/60Hz	Rating		0.01A / 2.0W / 0.93 PF
Mode of Operation	Non-Maintained	Rated Lumen		115lm
Classification	Class 1	Degree of Protection		IP 20
Battery	Ni-Cd SC 3.6V 1800mAh	Max. Operating Temperature (ta)		35°C
Emergency Duration	3 Hours	Recommended Mounting Height		Min. 3m
Recharge Period	24 Hours	Weight	VELR 75/R	0.47 KG
			VELR 115/R	0.48 KG

Packing   : 30 sets per carton box
Carton box (VELR 75/R)   : L476 X W442 X H313 mm (16.65 kg)
Carton box (VELR 115/R) : L652 X W474 X H313 mm (18.50 kg)

VELR 135/S

Specifications :

Metal Rim (Matt White)
Polycarbonate Housing
Mild Steel Mounting Bracket
Stainless Steel Spring Clips
Polycarbonate Opal Diffuser

Test Standard :

MS 619-2-22:2005
MS IEC 60598-1:2012

Mounting Method :

Surface Ceiling Mounted

Certified by :

SIRIM QAS INTERNATIONAL SDN. BHD.
JABATAN BOMBA DAN PENYELAMAT MALAYSIA

Mains Supply	220 – 240V 50/60Hz	Rating	0.01A / 2.0W / 0.93 PF
Mode of Operation	Non-Maintained	Rated Lumen	115lm
Classification	Class 1	Degree of Protection	IP 20
Battery	Ni-Cd SC 3.6V 1800mAh	Max. Operating Temperature (ta)	35°C
Emergency Duration	3 Hours	Recommended Mounting Height	Min. 3m
Recharge Period	24 Hours	Weight	0.50 KG

Packing   : 30 sets per carton box
Outer carton box : L445 X W300 X H460 mm (17.65 kg)
Inner carton box : L145 X W140 X H85 mm (0.56 kg)

VEL 280/TLS

Specifications :

Polycarbonate Housing
Acrylic Prismatic Diffuser
Adjustable Lamp Head

Test Standard :

MS 619-2-22:2005
MS IEC 60598-1:2012

Mounting Method :

Wall Mounted

Certified by :

SIRIM QAS INTERNATIONAL SDN. BHD.
JABATAN BOMBA DAN PENYELAMAT MALAYSIA
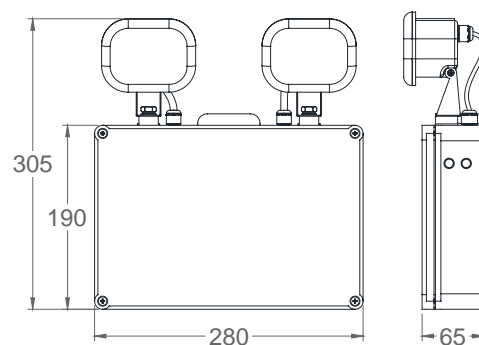
Mains Supply	220 – 240V 50/60Hz	Rating	0.017A / 3.2W / 0.8 PF
Mode of Operation	Non-Maintained	Initial Lumens till 3 Hours	800lm - 500lm
Lamp	LED 2 x 15 pieces	Classification / Degree of Protection	Class 1 / IP 65
Battery	Ni-Cd 9.6V C 2500mAh	Max. Operating Temperature (ta)	50°C
Emergency Duration	Min. 3 Hours	Recommended Mounting Height	Min. 3.0m
Recharge Period	24 Hours	Weight	1.78 KG

Packing   : 5 Sets per carton box
Outer carton box : L495 X W300 X H325 mm
Inner carton box : L285 X W95X H305 mm

VEL 308/TLS

Specifications :

Injection-Molded Polycarbonate Housing
Two Fully Adjustable Glare-Free Round Shape Light Heads
For Emergency Light
Innovative, Snap-Together Design For Fast Installation
Easily Removed Mounting Knock-Outs on Back Panel
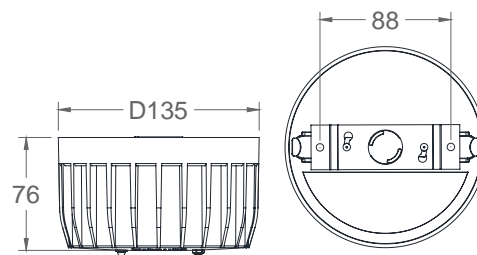
Test Standard :

MS 619-2-22:2005
MS IEC 60598-1:2012

Mounting Method :

Surface Ceiling / Wall Mounted

Certified by :

SIRIM QAS INTERNATIONAL SDN. BHD.
JABATAN BOMBA DAN PENYELAMAT MALAYSIA
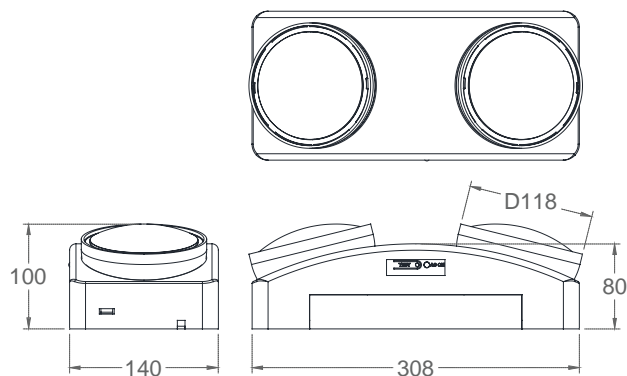
Mains Supply	220 – 240V 50/60Hz	Rating	0.008A / 1.0W / 0.51 PF
Mode of Operation	Non-Maintained	Rated Lumen Output	110lm
Lamp	LED 2 x 6 pieces X 0.2W	Classification / Degree of Protection	Class II / IP 20
Battery	Ni-Cd SC 3.6V 1800mAh	Max. Operating Temperature (ta)	50°C
Emergency Duration	Min. 3 Hours	Recommended Mounting Height	Min. 2.3m
Recharge Period	14 - 16 Hours	Weight	0.93 KG

Packing   : 15 sets per carton box
Outer carton box : L547 X W465 X H342 mm (16.80 kg)
Inner carton box : L148 X W105 X H320 mm (1.05 kg)

vitalite

Legend	Model
EXIT	**VES 300/PC/E** *(Single Sided View)*
◀EXIT / EXIT▶	**VES 300/PC/ELRA** *(Double Sided View)*
(running man)	**VES 300/PC/RM** *(Single Sided View)*
(running man with arrows)	**VES 300/PC/RMLRA** *(Double Sided View)*

Specifications :

Polycarbonate Housing
Polycarbonate Diffuser

Test According to :

SS 563
SS IEC 60598-2-22

Mounting Method :

- Ceiling
- Wall

Optional :

Wall Bracket

300
D20
40
350
80
215
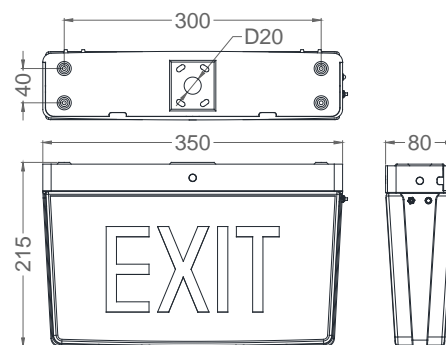
Mains Supply	220 – 240V 50/60Hz	Rating	0.01A / 3.2W / 0.95 PF
Mode of Operation	Maintained	Classification	Class II
Lamp	LED 2835 (8 PCS)	Degree of Protection	IP 20
Battery	Ni-Cd AA 3.6V 900mAh	Max. Operating Temperature (ta)	40°C
Emergency Duration	2 Hours	Recommended Mounting Height	Min. 2.3m
Recharge Period	24 Hours	Weight	0.99 KG

Packing   : 15 sets per carton box
Outer carton box : L690 X W372 X H475 mm (18.20 kg)
Inner carton box : L355 X W90 X H220 mm (1.12 kg)

vitalite

Legend	Model
EXIT	**VES 298/PC/E** *(Single Sided View)*
◀EXIT / EXIT▶	**VES 298/PC/ELRA** *(Double Sided View)*
(running man)	**VES 298/PC/RM** *(Single Sided View)*
(running man with arrows)	**VES 298/PC/RMLRA** *(Double Sided View)*

Surface

Suspension

Optional Mounting Bracket :

Wall

Semi-Recessed

Specifications :

Polycarbonate Housing
Mild Steel Recessed Frame
Polycarbonate Diffuser

Test According to :

SS 563
SS IEC 60598-2-22

Mounting Method :

Ceiling / Wall / Suspension Mounted
Recessed Plaster Ceiling
(Cut Out Size L360mm x W52mm)

Optional :

Wall Bracket

Semi-Recessed Frame
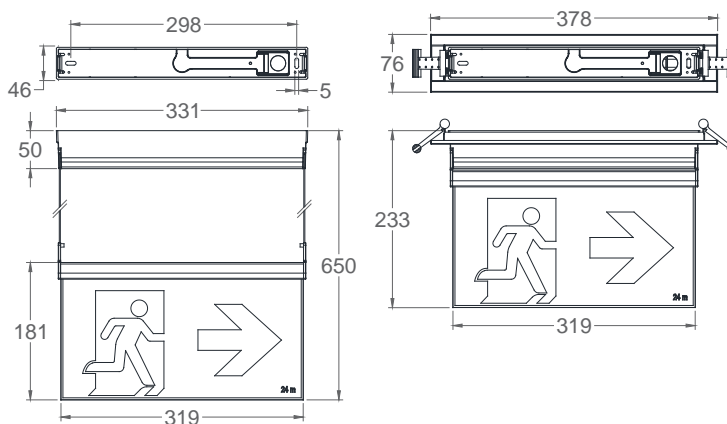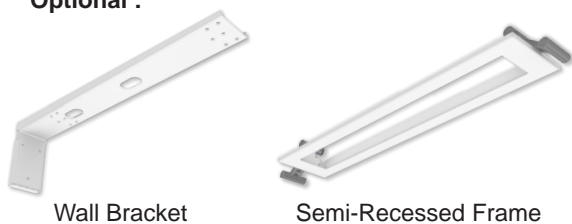
Mains Supply	220 – 240V 50/60Hz	Rating	0.01A / 3.0W / 0.95 PF
Mode of Operation	Maintained	Classification	Class II
Lamp	LED 2835 (17 PCS)	Degree of Protection	IP 20
Battery	Ni-Cd AA 3.6V 900mAh	Max. Operating Temperature (ta)	40°C
Emergency Duration	2 Hours	Recommended Mounting Height	Min. 2.3m
Recharge Period	24 Hours	Weight	0.73 KG

VITALITE INDUSTRY SDN. BHD. Reserves the rights to alternate the specification of its product at any time without prior notice.
Pictures shown are for illustration purpose only.

Suspension

Surface

Semi-Recessed

Wall Mounted
with Bracket

Wall Mounted

Concrete Ceiling

Plaster Ceiling

Semi-Recessed Frame

Suspension

Surface

Semi-Recessed

Wall Bracket

Wall Mounted
with Bracket

Wall

Wall Mounted

| Legend	Model
EXIT	**VES 350/B/E**
◀ EXIT	**VES 350/B/EL**
EXIT ▶	**VES 350/B/ER**

Specifications :

Mild Steel Housing
Polycarbonated Diffuser

Test According to :

SS 563
SS IEC 60598-2-22

Mounting Method :

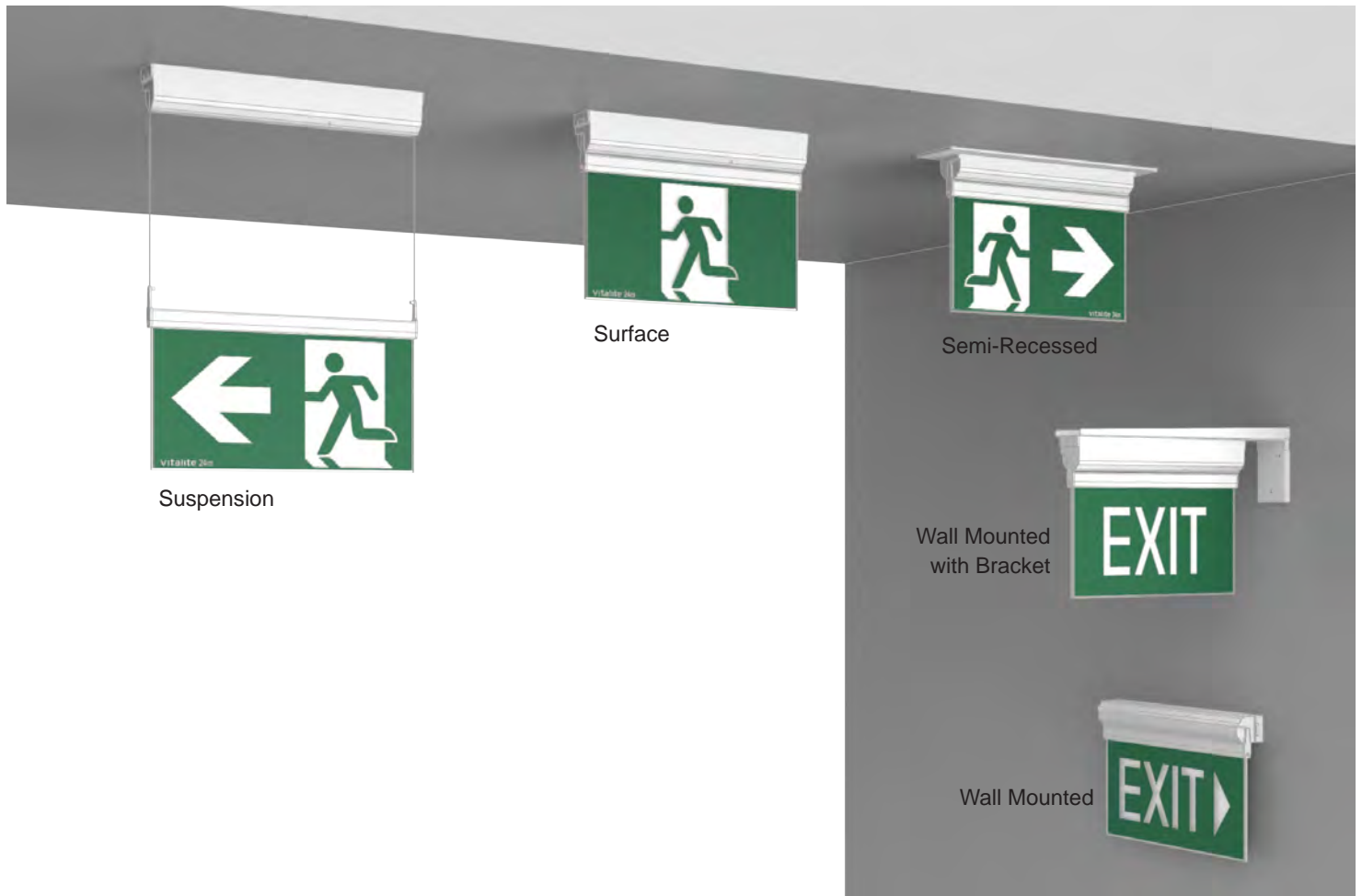Wall Mounted
Above Doors / Entrances & Exits

350
180
D20
60
62

Mains Supply	220 – 240V 50/60Hz	Rating	0.01A / 3.15W / 0.95 PF
Mode of Operation	Maintained	Classification	Class 1
Lamp	LED 2835 (3 PCS)	Degree of Protection	IP 20
Battery	Ni-Cd AA 3.6V 900mAh	Max. Operating Temperature (ta)	40°C
Emergency Duration	2 Hours	Recommended Mounting Height	Min. 2.3m
Recharge Period	24 Hours	Weight	0.82 KG

Packing   : 15 sets per carton box
Outer carton box : L564 X W352 X H383 mm (15.20 kg)
Inner carton box : L362 X W182 X H65 mm (0.93 kg)

vitalite

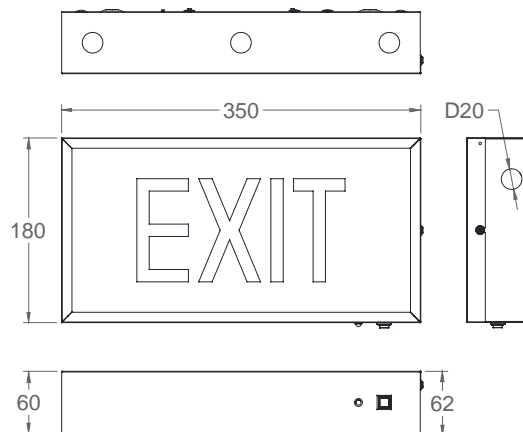| Legend	Model
	VES 625/B/RM *(Single Sided View)*
	VES 625/B/RML *(Double Sided View)*
	VES 625/B/RMR *(Single Sided View)*
	VES 625/BD/RM *(Double Sided View)*
	VES 625/BD/RMLRA *(Double Sided View)*

Specifications :

Polycarbonate Housing
Polycarbonate Diffuser

Test According to :

SS 563
SS IEC 60598-2-22

Mounting Method :

- Ceiling
- Wall

Optional :

Wall Bracket

150   D20
100
625
306
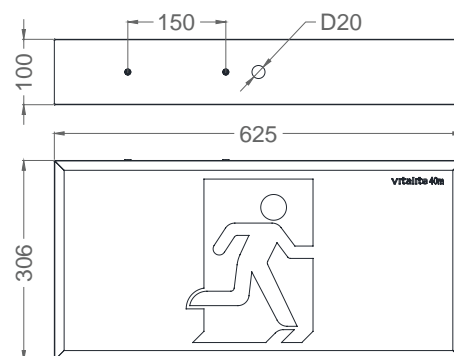
Mains Supply	220 – 240V 50/60Hz	Rating	0.01A / 3.15W / 0.95 PF
Mode of Operation	Maintained	Classification	Class 1
Lamp	LED 2835	Degree of Protection	IP 20
Battery	Ni-Cd AA 3.6V 900mAh	Max. Operating Temperature (ta)	40°C
Emergency Duration	2 Hours	Recommended Mounting Height	Min. 2.3m
Recharge Period	24 Hours	Weight	3.34 KG

Legend	Model
EXIT	**VES 335/STS/E** *(Single Sided View)*
◄EXIT EXIT►	**VES 335/STS/ELRA** *(Double Sided View)*
(running man, vitalite 24m)	**VES 335/STS/RM** *(Single Sided View)*
(running man ← and running man →, vitalite 24m)	**VES 335/STS/RMLRA** *(Double Sided View)*

Specifications :

Aluminium Extruded Housing
Mild Steel Mounting Base
Polycarbonate Diffuser

Test According to :

SS 563
SS IEC 60598-2-22

Mounting Method :

Ceiling / Wall Mounted

335
248
319

230
120
D14
D20
D4.5
280
47

Mains Supply	220 – 240V 50/60Hz	Rating	0.01A / 3.0W / 0.96 PF
Mode of Operation	Maintained	Classification	Class 1
Lamp	LED 2835 (17 PCS)	Degree of Protection	IP 20
Battery	Ni-Cd AA 3.6V 900mAh	Max. Operating Temperature (ta)	40°C
Emergency Duration	2 Hours	Recommended Mounting Height	Min. 2.3m
Recharge Period	24 Hours	Weight	1.16 KG

Packing   : 10 sets per carton box
Outer Carton box : L538 X W462 X H429 mm (15.20 kg)
Inner Carton box : L408 X W260 X H88 mm (1.36 kg)

vitalite

Legend	Model
EXIT	**VES 335/STSR/E** *(Single Sided View)*
◀EXIT EXIT▶	**VES 335/STSR/ELRA** *(Double Sided View)*
(running man) vitalite 24m	**VES 335/STSR/RM** *(Single Sided View)*
(running man ←) vitalite 24m (running man →) vitalite 24m	**VES 335/STSR/RMLRA** *(Double Sided View)*

Specifications :

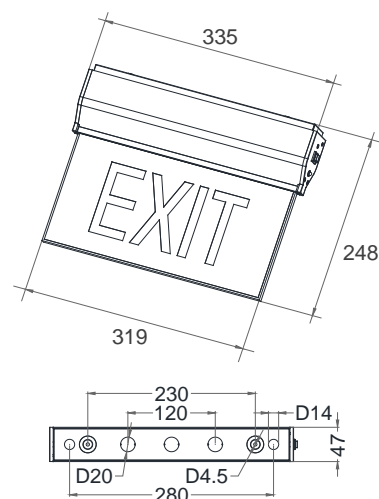Aluminium Extruded Housing
Mild Steel Mounting Base
Polycarbonate Diffuser

Test According to :

SS 563
SS IEC 60598-2-22

Mounting Method :

Recessed Plaster Ceiling
(Cut Out Size L350mm x W60mm)

Dimensions: 400, 80, 157, 248, 319

Mains Supply	220 – 240V 50/60Hz	Rating	0.01A / 3.0W / 0.96 PF
Mode of Operation	Maintained	Classification	Class 1
Lamp	LED 2835 (17 PCS)	Degree of Protection	IP 20
Battery	Ni-Cd AA 3.6V 900mAh	Max. Operating Temperature (ta)	40°C
Emergency Duration	2 Hours	Recommended Mounting Height	Min. 2.3m
Recharge Period	24 Hours	Weight	1.35 KG

Packing   : 10 sets per carton box
Outer carton box : L538 X W462 X H429 mm (17.00 kg)
Inner carton box : L408 X W260 X H88 mm (1.54 kg)

Legend	Model
EXIT	**VES 390/WP/E**
◀EXIT	**VES 390/WP/EL**
EXIT▶	**VES 390/WP/ER**
(running man)	**VES 390/WP/RM**
← (running man)	**VES 390/WP/RML**
(running man) →	**VES 390/WP/RMR**

Specifications :

Polycarbonate Housing & Diffuser

Test According to :

SS 563
SS IEC 60598-2-22

Mounting Method :

Wall Mounted For Outdoor Area
Above Doors / Entrances & Exits

Mounting Bracket

392
189
66
9
24
4.5
210
24
230

Mains Supply	220 – 240V 50/60Hz	Rating	0.01A / 3.15W / 0.95 PF
Mode of Operation	Maintained	Classification	Class II
Lamp	LED 2835 (3 PCS)	Degree of Protection	IP 65
Battery	Ni-Cd AA 3.6V 900mAh	Max. Operating Temperature (ta)	40°C
Emergency Duration	2 Hours	Recommended Mounting Height	Min. 2.3m
Recharge Period	24 Hours	Weight	0.76 KG

vitalite

Legend	Model
EXIT	**VES 402/WR/E**
◀EXIT	**VES 402/WR/EL**
EXIT▶	**VES 402/WR/ER**
(running man)	**VES 402/WR/RM**
← (running man)	**VES 402/WR/RML**
(running man) →	**VES 402/WR/RMR**

Specifications :

Polycarbonate Housing
Polycarbonate Diffuser
Powder Coated Mild Steel Frame
Powder Coated EG Steel Recessed Box

Mounting Method :

Recessed Wall Mounted

Test According to :

SS 563
SS IEC 60598-2-22

Mains Supply	220 – 240V 50/60Hz	Rating	0.01A / 3.15W / 0.95 PF
Mode of Operation	Maintained	Classification	Class 1
Lamp	LED 2835 (3 PCS)	Degree of Protection	IP 65
Battery	Ni-Cd AA 3.6V 900mAh	Max. Operating Temperature (ta)	40°C
Emergency Duration	2 Hours	Recommended Mounting Height	300mm
Recharge Period	24 Hours	Weight	1.57 KG

vitalite

Emergency Conversion Kit For Fluorescent Lamp
(T5, T8, CFL)

VECK 1436

Approval Marks:

Specifications :

Aluminium Casing
Push-In Connector

Test Standard :

IEC 61347-1, IEC 61347-2-7
AS 2293.1-2005, AS 2293.3-2005

Usage Application :

T5 (14W - 28W)
T8 (18W - 36W)
CFL 4 Pin (13W - 26W)

Wiring Diagram :
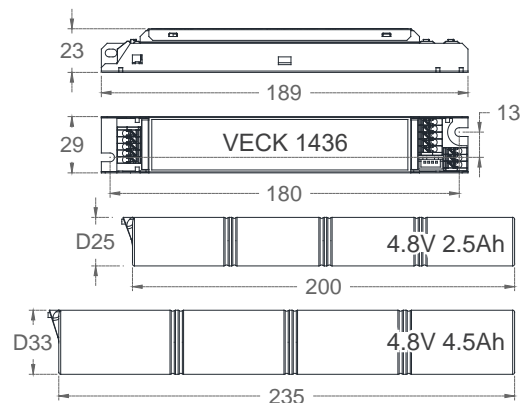
Mains Supply	220 – 240V 50/60Hz	Power Consumption	< 7W
Mode of Operation	Maintained / Non-Maintained	Classification	Class 1
Lamp Type	T5 (14W - 28W) T8 (18W - 36W) CFL 4 Pin (13W - 26W)	Degree of Protection	IP 20
Battery	Ni-Cd C 4.8V 2.5Ah Ni-Cd D 4.8V 4.5Ah	Max. Operating Temperature (ta)	45°C
Emergency Duration	2 Hours (4.8V 2.5Ah) 3 Hours (4.8V 4.5Ah)	Max. Casing Temperature (tc)	70°C
Recharge Period	24 Hours	Weight	0.14 KG

Packing   : 20 pieces per box
Carton box   : L188 X W28 X H22 mm
Weight   : 2.90 kg

VECK 18/T8LED

Specifications :

Polycarbonate Casing
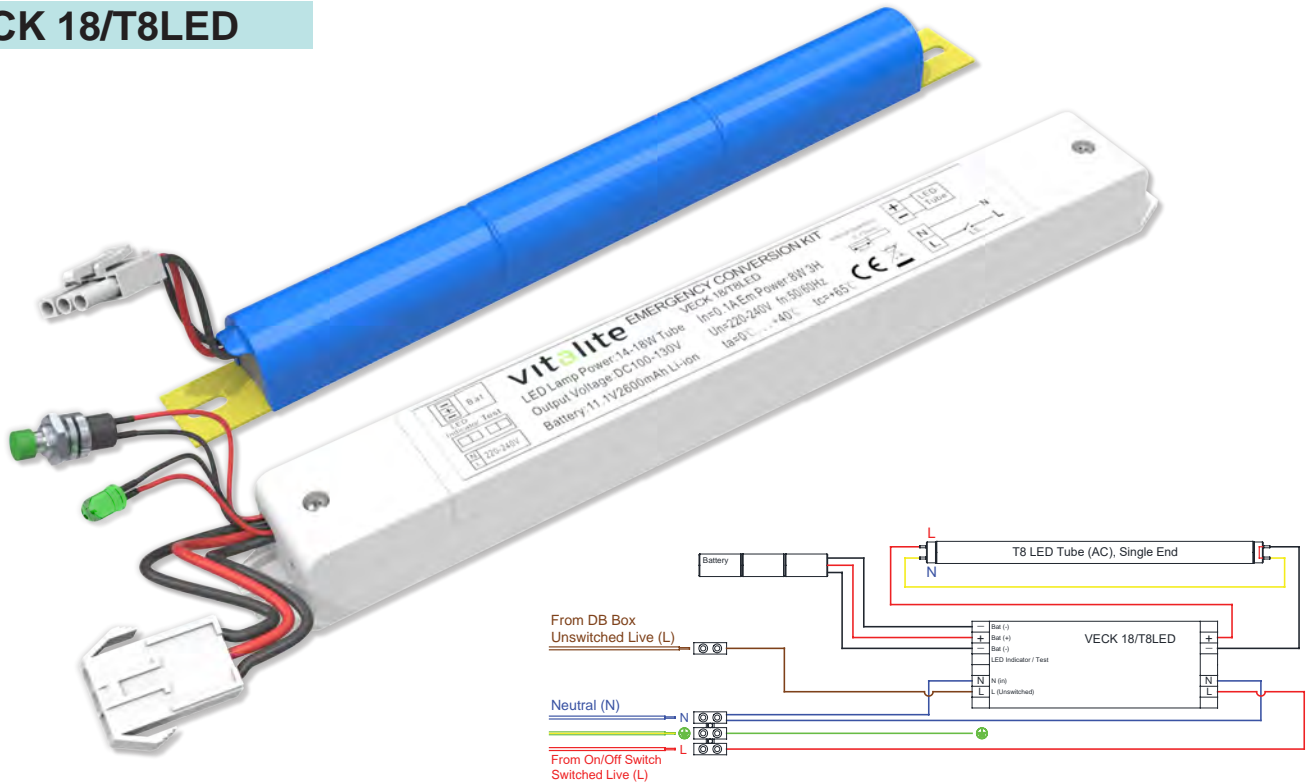
Test According to :

IEC 61347-2-7
IEC 61347-2-13

Usage Application :

T8 LED Tube

TOSHIBA T8 LED Tube

2ft 8W (PRO) / 9W
4ft 14W (PRO) / 18W

PHILIPS T8 LED Tube

Ecofit   8W / 16W / 18W
Essential 8W / 14.5W
            16W / 18W
Master   8W / 14W

OSRAM T8 LED Tube

ST8A   7.3W (1100lm)
        14W (2100lm)
        22W (2800lm)
ST8V & 8.7W (1050lm)
ST8A   17.5W (2100lm)

ST8E   9W (900lm)
        18W (1800lm)
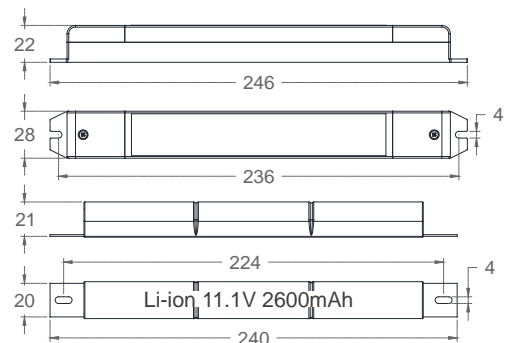
Mains Supply	220 – 240V 50/60Hz	Emergency Output Power	Max. 8W
Mode of Operation	Maintained / Non-Maintained	In / Output Voltage	0.1A / 100 - 130Vdc
Lamp Type T8 LED Tube	8W - 22W	Degree of Protection	IP 20
Battery	Li-ion 11.1V 2000mAh (2Hrs) Li-ion 11.1V 2600mAh (3Hrs)	Max. tc Kit Max. tc Battery	60°C 50°C
Emergency Duration	2 / 3 Hours	Classification	Class II
Recharge Period	24 Hours	Weight	0.286 KG (2 Hrs) 0.298 KG (3 Hrs)

vitalite

VECK 1436 used Conventional Ballast
For T8 Fluorescent Lamp

From On/Off Switch
Switched Live (L)

L

Neutral (N)

Magnetic Ballast

S

From DB Box
Unswitched Live (L)

VECK 1436

10 L (Unswitched)
12 N (in)
13 Ballast (N)
14 Bat (+)
15 Bat (-)

1
2
3
4
5
6
7
8

Battery

Charge / Test
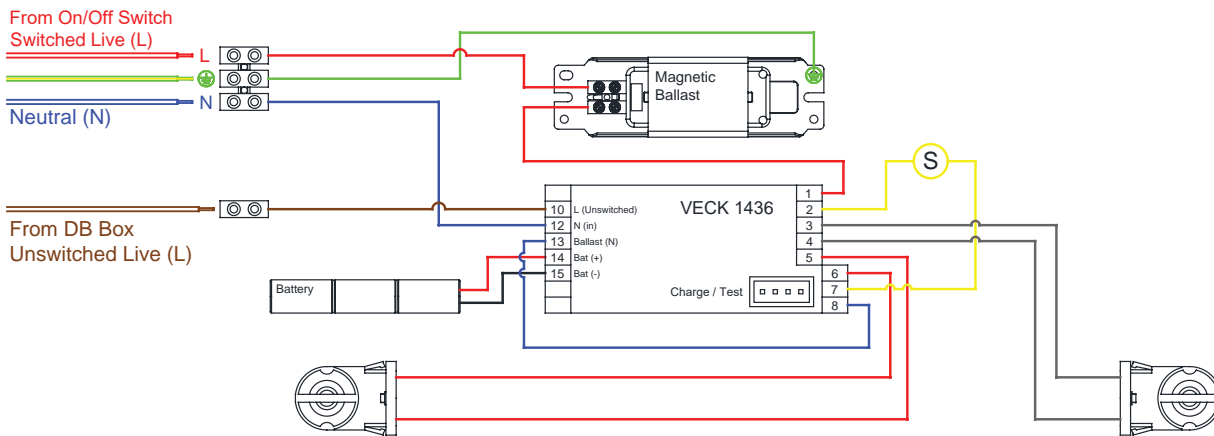
VECK 1436 used with Single Lamp Electronic Ballast
For T5 / T8 Fluorescent Lamp

From On/Off Switch
Switched Live (L)

L

Neutral (N)

Electronic Ballast

L
N

Lamp

4
3

2
1

From DB Box
Unswitched Live (L)

VECK 1436

10 L (Unswitched)
12 N (in)
13 Ballast (N)
14 Bat (+)
15 Bat (-)

1
2
3
4
5
6
7
8

Battery

Charge / Test
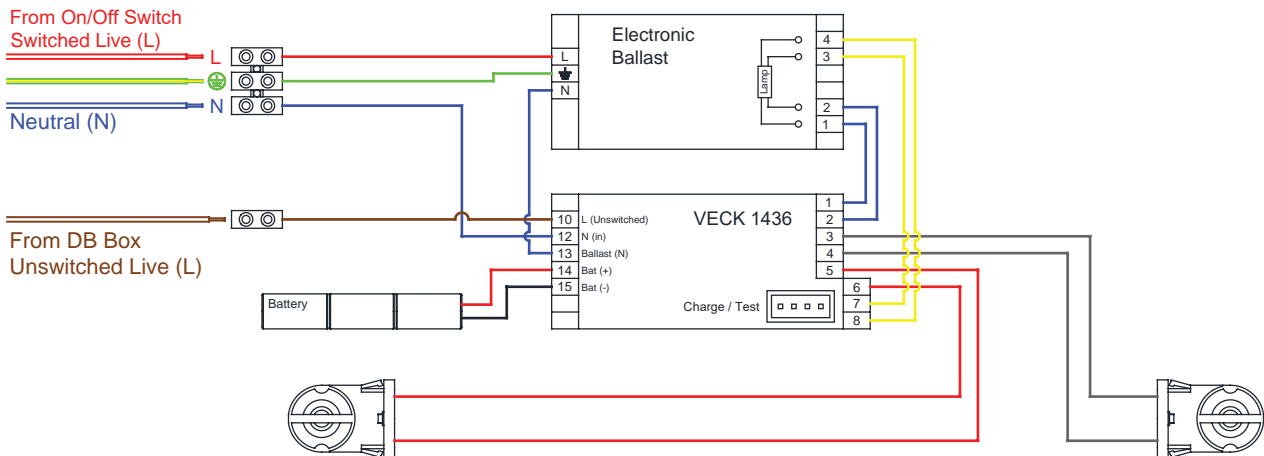
VECK 1436 used with Double Lamp 6 Output with Series Filament
Connection Electronic Ballast For T5 / T8 Fluorescent Lamp

From On/Off Switch
Switched Live (L)

L

Neutral (N)

Electronic Ballast

L
N

Lamp
Lamp

6
5
4
3
2
1

From DB Box
Unswitched Live (L)

VECK 1436

10 L (Unswitched)
12 N (in)
13 Ballast (N)
14 Bat (+)
15 Bat (-)

1
2
3
4
5
6
7
8

Battery

Charge / Test
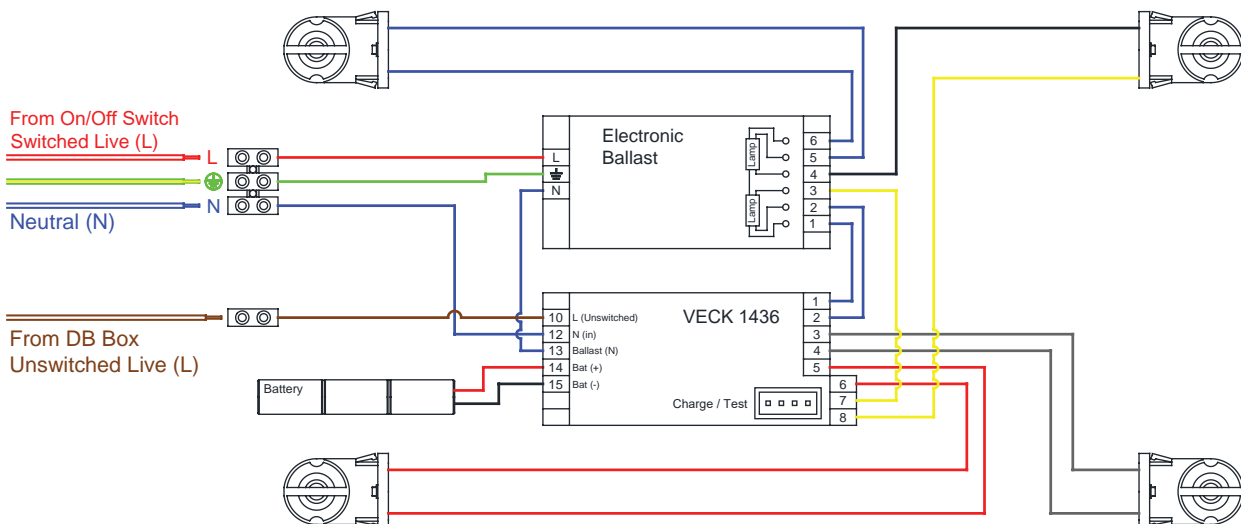
VECK 1436 used with Double Lamp 7 Output with Series Filament Connection Electronic Ballast For T5 / T8 Fluorescent Lamp

From On/Off Switch
Switched Live (L)

L

Neutral (N)

N

From DB Box
Unswitched Live (L)

Electronic
Ballast

L
N

Lamp
Lamp

7
6
5
4
3
2
1

10 L (Unswitched)
12 N (in)
13 Ballast (N)
14 Bat (+)
15 Bat (-)

Battery

VECK 1436

Charge / Test

1
2
3
4
5
6
7
8
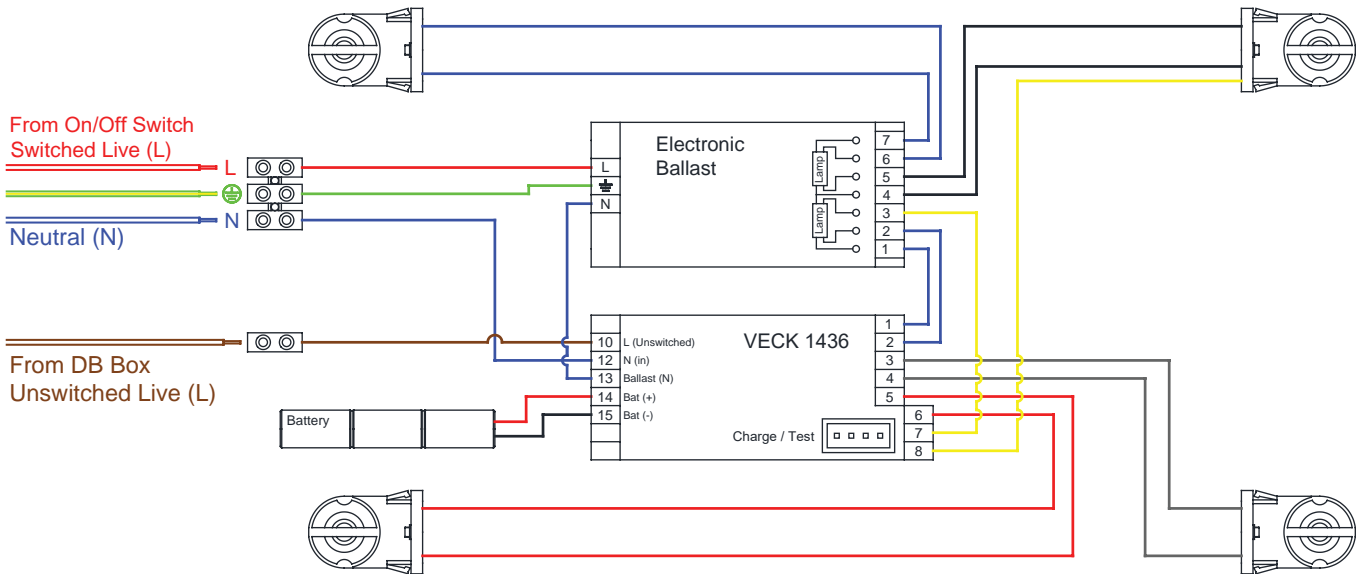
VECK 18/T8LED used T8 LED Tube (AC) Single End Type, TOSHIBA / OSRAM / PHILIPS

Battery

L
N

T8 LED Tube (AC), Single End

From DB Box
Unswitched Live (L)

Neutral (N)

N

L

From On/Off Switch
Switched Live (L)

− Bat (-)
+ Bat (+)
− Bat (-)
LED Indicator / Test
N N (in)
L L (Unswitched)

VECK 18/T8LED

+
−

N
L
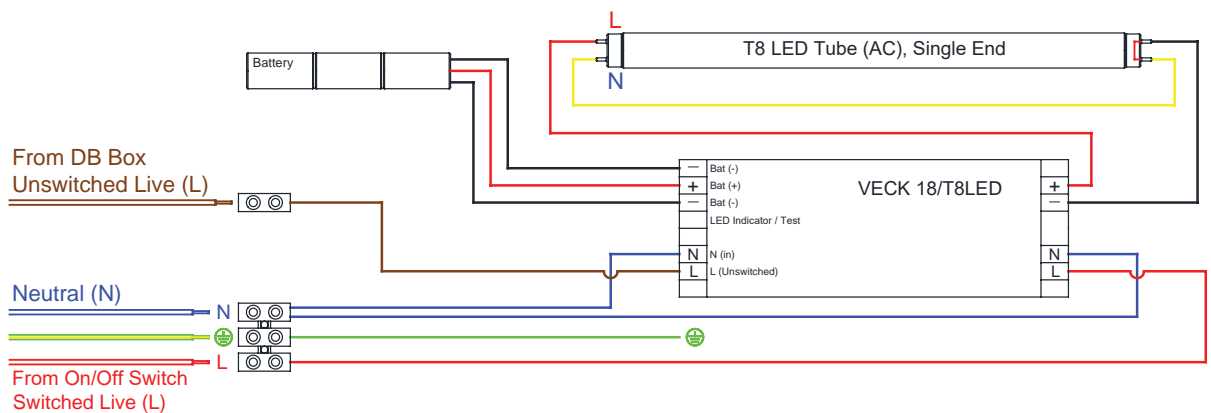
VECK 18/T8LED used T8 LED Tube (AC) Double End Type, Most CHINA Brand

Battery

L

T8 LED Tube (AC), Double End

N

From DB Box
Unswitched Live (L)

Neutral (N)

N

L

From On/Off Switch
Switched Live (L)

− Bat (-)
+ Bat (+)
− Bat (-)
LED Indicator / Test
N N (in)
L L (Unswitched)

VECK 18/T8LED

+
−

N
L
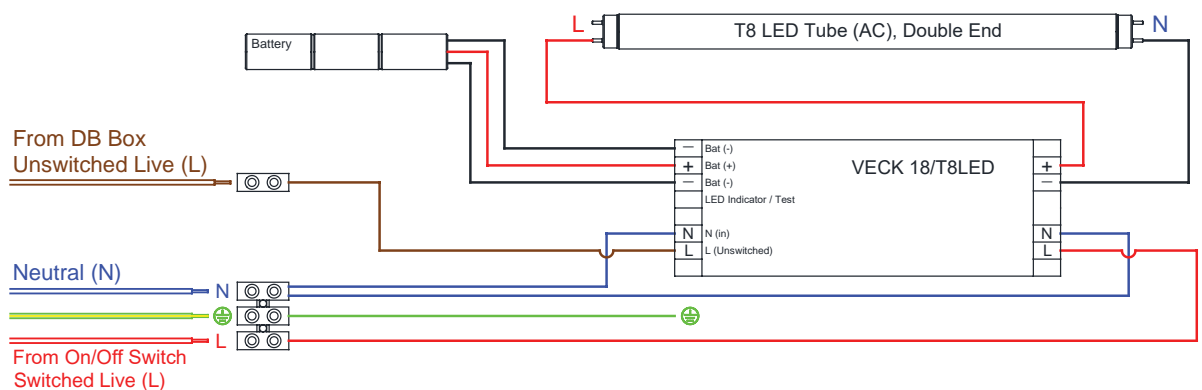
VECK 36 LED

SELV ☐

Usage Application :

- Standby Power for LED Lighting
- 3 Hours Duration in Event of Power Failure

Specifications :

Polycarbonate Casing

Test According to :

IEC 61347-2-7
IEC 61347-2-13

Compatible With VITALITE VLD Driver :

- VLD 10/250/40
- VLD 15/350/43
- VLD 25/500/50
- VLD 35/700/50
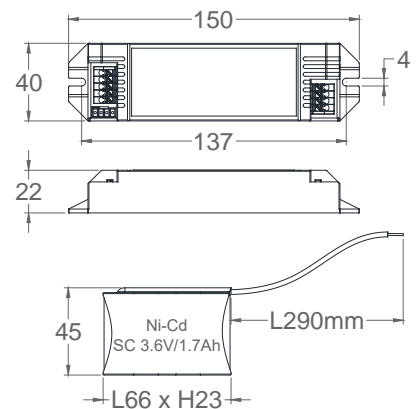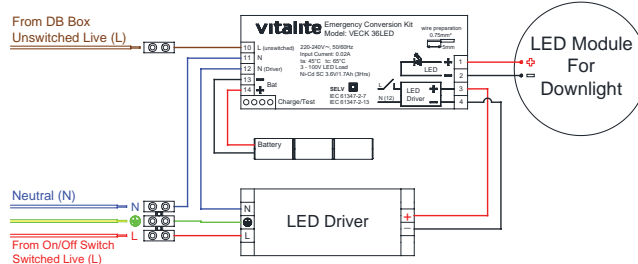
Mains Supply	220 - 240V∼ 50/60Hz	Power Consumption	< 2.5W
Mode of Operation	Maintained / Non-Maintained	Input Current	0.02A
Lamp Type	3 - 100V LED Load	Degree of Protection	IP 20
Battery	Ni-Cd SC 3.6V / 1.7Ah	Max. Temperature ta / tc	45°C / 65°C
Emergency Duration	3 Hours	Classification	Class II
Recharge Period	24 Hours	Weight	0.232 KG

VECK 31 LED

CE [EL] □

Specifications :

Low Profile Polycarbonate Casing
(22x30mm Cross Section)
For Luminaire Installation
LED Module Forward Voltage of 16.5 - 44V
Maintain and Non-Maintain Operation
Used With Nickel Cadmium Battery (Ni-Cd)
2 Hours Rated Duration
Constant Power Output
Deep Discharge Protection
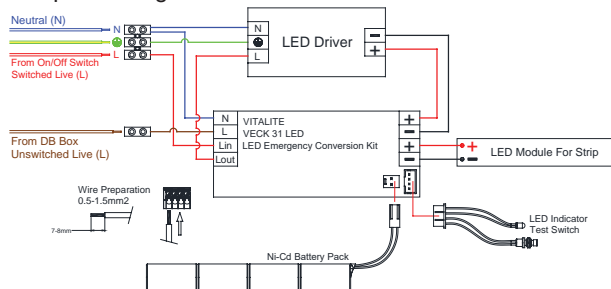
Test Standard :

- SS 563 (Respective Clauses)
- IEC 61347-1
- IEC 61347-2-7
- IEC 62384

Usage Application :

- Standby Power for LED Lighting
- 2 Hours Duration in Event of Power Failure
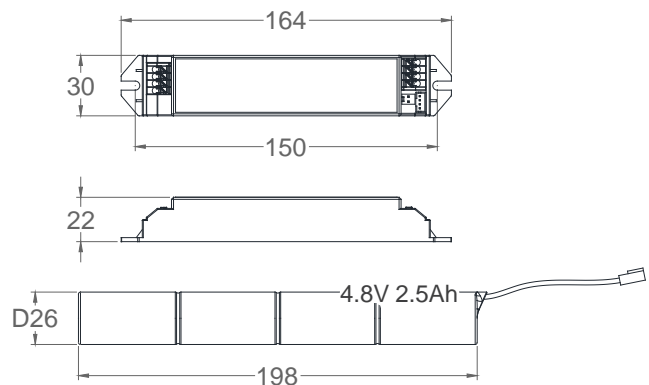
Input Voltage (AC)	220 - 240V~ 50/60Hz	Input Current / Power / P.F	25mA / 2.5W / 0.5 PF
Emergency Duration Recharge Period	2 Hours 24 Hours	Battery Pack Battery Type Designation	Ni-Cd C 4.8V 2500mAh C KR26/50
Lamp Type LED Module Output	LED Module 16.5 - 44V	Mode of Operation	Maintained / Non-Maintained
Rated Output Current	60 - 300mA	Rated Output Constant Power	3W
Uout Max Load Voltage	55VDC	ta / tc	50°C / 70°C
Test Facility	Push Button Switch	Charge Monitor	LED (Green)

vitalite

VECK 36 LED Wiring Diagram

From DB Box
Unswitched Live (L)

vitalite Emergency Conversion Kit
Model: VECK 36LED

wire preparation
0.75mm²
5mm

10 L (unswitched)
11 N
12 N (Driver)
13 ━ Bat
14 ╋

220-240V∼, 50/60Hz
Input Current: 0.02A
ta: 45°C   tc: 65°C
3 - 100V LED Load
Ni-Cd SC 3.6V/1.7Ah (3Hrs)

SELV
IEC 61347-2-7
IEC 61347-2-13

○○○○ Charge/Test

LED

L
N (12)

LED
Driver

1
2
3
4

LED Module
For
Downlight

Battery

Neutral (N)

N

From On/Off Switch
Switched Live (L)

L

N

L

LED Driver

╋
━

VECK 31 LED Wiring Diagram

Neutral (N)

N

From On/Off Switch
Switched Live (L)

L

N
L

LED Driver

━
╋

From DB Box
Unswitched Live (L)

N
L
Lin
Lout

VITALITE
VECK 31 LED
LED Emergency Conversion Kit

╋
━
╋
━

LED Module For Strip

Wire Preparation
0.5-1.5mm2

7-8mm

LED Indicator
Test Switch

Ni-Cd Battery Pack

vitalite

MS SIRIM	IP20	2 Years Warranty	30K					

Input Voltage :

AC 220-240V, 50/60Hz

Lifespan :

Up to 30000 Hours
(at ta 40°C)
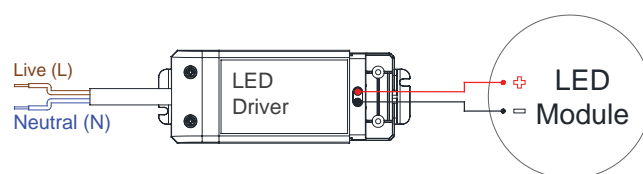
Terminal Block :

Screw Type
(Terminal for leads: 0.5mm² - 1.0mm²)

Certified by :

SIRIM QAS INTERNATIONAL SDN. BHD.
JABATAN BOMBA DAN PENYELAMAT MALAYSIA

Test Standard :

IEC 61347-2-13 : 2014
IEC 61347-1 : 2015
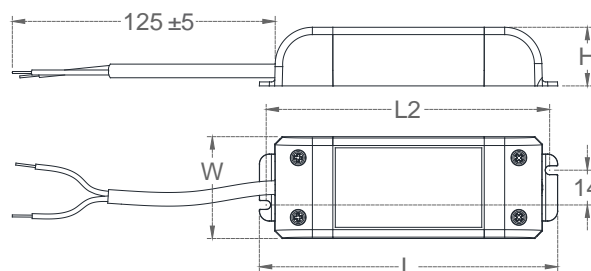

Live (L)
Neutral (N)
LED Driver
LED Module

125 ±5   L2   H   W   14   L

Model	Output Current	Forward Voltage	Output Power	Power Factor	Efficiency	THD	Max. Temperature (tc / ta)	Dimension (mm)			
								L1	L2	W	H
VLD 10/250/40	250mA	20 - 40V	5 - 10W	≥ 0.50	≥ 82%	≤ 150%	75°C / 45°C	96	89	33	22
VLD 15/350/43	350mA	20 - 43V	7 - 15W	≥ 0.50	≥ 84%	≤ 150%	75°C / 45°C	109	103	41	24
VLD 25/500/50	500mA	30 - 50V	15 - 25W	≥ 0.90	≥ 88%	≤ 15%	75°C / 45°C	120	115	41	24
VLD 35/700/50	700mA	30 - 50V	20 - 35W	≥ 0.90	≥ 88%	≤ 15%	75°C / 45°C	123	118	46	23
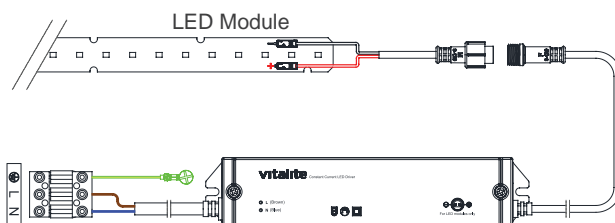
vitalite

LED Module

IP20   **5 Years Warranty**   **50K**

Input Voltage :

AC 220-240V, 50/60Hz

Lifespan :

Up to 50000 Hours (at ta 45°C)

Protection :

Fast Transient / Brust /Surge Immunity : L-N: 2KV; L/N-PE: 4KV
Humidity : 85%
Protection - SCP / OLP / OVP : Yes, Auto Restart
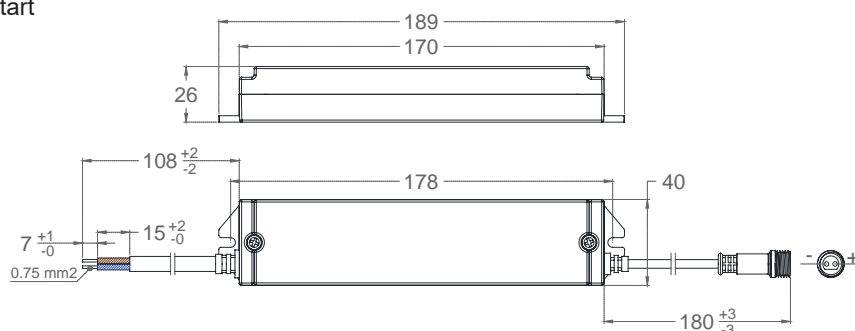Protection - no load protection : Yes
SELV : Yes

Test Standard :

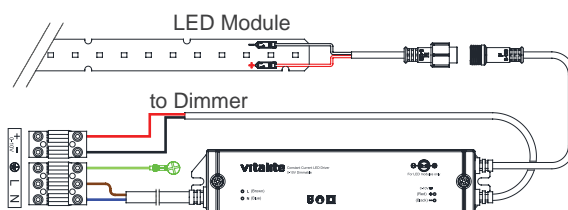IEC 61347-1:2015
IEC 61347-1-2015/AMD1:2017
IEC 61347-2-13:2014
IEC 61347-2-13:2014/AMD1:2016
IEC 62384:2006, AMD1:2009

Model	Output Current	Forward Voltage	Output Power	Power Factor	Efficiency	THD	Max. Temperature (tc / ta)	Dimension
								(mm)
ViD 12/350/27	350mA	15 - 27V	10W	≥ 0.91	≥ 80%	≤ 15%	75°C / 45°C	As Shown
ViD 20/700/25	700mA	15 - 25V	18W	≥ 0.91	≥ 80%	≤ 15%	75°C / 45°C	As Shown

vitalite

LED Driver (Constant Current) (0-10V Dimmable)

LED Module

to Dimmer

| IP20 | 5 Years Warranty | 50K | | | | |

Input Voltage :

AC 220-240V, 50/60Hz

Lifespan :

Up to 50000 Hours (at ta 45°C)

Protection :

Fast Transient / Brust /Surge Immunity : L-N: 2KV; L/N-PE: 4KV
Humidity : 85%
Protection - SCP / OLP / OVP : Yes, Auto Restart
Protection - no load protection : Yes
SELV : Yes

Dimming Periphery Component :

0-10V Dimmable Controller or
Resistor Dimmable Controller
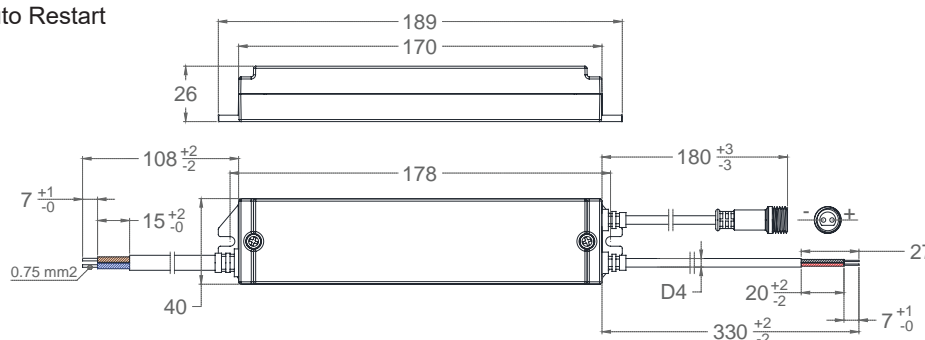
Test Standard :

IEC 61347-1:2015
IEC 61347-1-2015/AMD1:2017
IEC 61347-2-13:2014
IEC 61347-2-13:2014/AMD1:2016
IEC 62384:2006, AMD1:2009

Model	Output Current	Forward Voltage	Output Power	Power Factor	Efficiency	THD	Max. Temperature (tc / ta)	Dimension
								(mm)
ViD 12/350/27/0-10V	350mA	15 - 27V	10W	≥ 0.91	≥ 80%	≤ 15%	75°C / 45°C	As Shown
ViD 20/700/25/0-10V	700mA	15 - 25V	18W	≥ 0.91	≥ 80%	≤ 15%	75°C / 45°C	As Shown

Approval Marks:

SIRIM

Circuit Diagram

1x18W / 1x36W

L
Cp
N
Lamp
S

2x18W
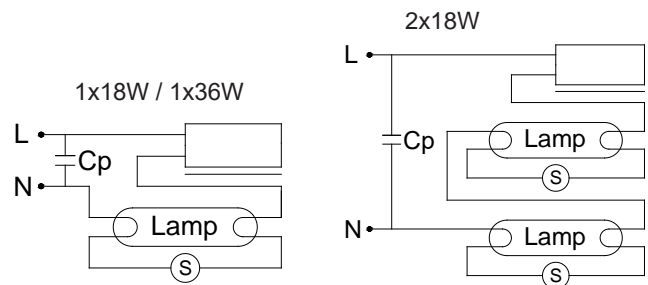
L
Cp
Lamp
S
N
Lamp
S

Input Voltage :

AC 240V, 50Hz

Specification :

Max Operating Temperature tw 130°C

Terminal Block :

Screw Type (Max Conductor Size 2.5mm²)
Push-In Type (Terminal For Leads: 0.5mm² - 2.5mm²)

Test Standard :

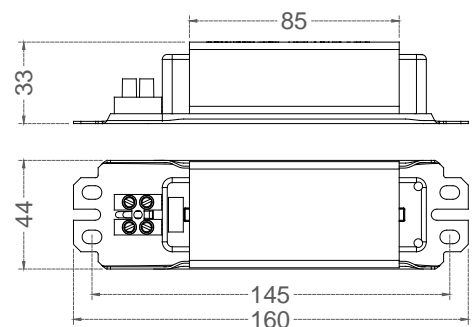MS IEC 61347-2-8 : 2014
MS IEC 61347-1 : 2012
MS IEC 60921 : 2013
MS 141 : 2014

Certified by :

SIRIM QAS INTERNATIONAL SDN. BHD.
SURUHANJAYA TENAGA
JABATAN KERJA RAYA MALAYSIA

LAMP	BALLAST						CAPACITOR	
Output (W)	Model	Current (A)	PF (λ)	Loss (W)	Δt / tw	Weight (Kg)	Cp (µF)	Current (A)
18	**ELL 20**	0.35	0.30	6	35 / 130	0.89	4.5	0.12
36	**ELL 40**	0.40	0.44	6	35 / 130	0.89	4.5	0.18

Packed in carton.

ELL 20   20 Pcs   18.0 kg   224 X 166 X 152 mm
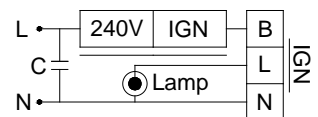ELL 40   20 Pcs   18.0 kg   224 X 166 X 152 mm
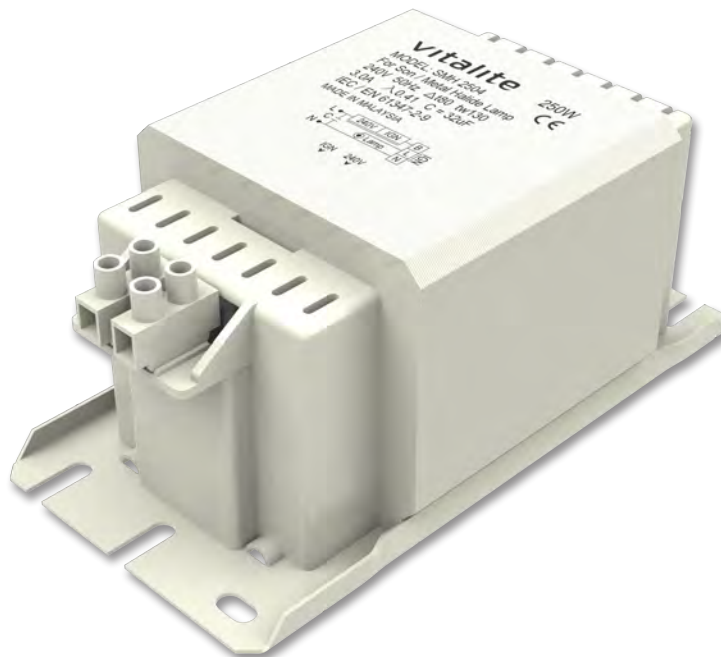
vitalite

Magnetic Ballasts For HID Lamp (SON, Mercury & MH)

Circuit Diagram

```
L •──┤ 240V │ IGN ├──┤ B │
     │              │   │ L │ IGN
  C ═╪═            │   └───┤
     │  ┌──────────┤ L │
N •──┤  │(●) Lamp  ├──┤ N │
```

Approval Marks:

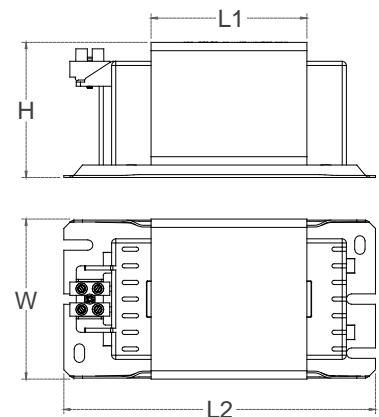$C\epsilon$

Input Voltage :

AC 240V, 50Hz

Specification :

Max Operating Temperature tw 130°C

Terminal Block :

Screw Type (Max Conductor Size 2.5mm²)

Test Standard :

EN 61347-1 : 2008
EN 61347-2-9 : 2001 + A1 : 2003 + A2 : 2006
EN 55015 : 2006 + A1 : 2007

BALLASTS FOR HIGH PRESSURE SODIUM (SON), HIGH PRESSURE MERCURY VAPOUR (M) & METAL HALIDE (MH) LAMPS.

Lamp		Ballast									Weight	Capacitor	
W	Type	Model	A	PF (λ)	Loss (W)	Δt	Dimension				(Kg)	Cp (µF)	Current (A)
							L1	L2	W	H			
150	SON / MH	**SMH 1504**	1.80	0.40	24	80	65	132	66	54	1.84	20	0.67
250	Mercury	**MMH 2504**	2.15	0.55	22	80	55	130	76	65	2.24	20	1.20
	MH				23								
	SON / MH	**SMH 2504**	3.00	0.41	32	80	75	150	76	65	2.95	30	1.20
400	Mercury	**MMH 4004**	3.25	0.55	26	70	60	143	96	82	3.83	30	1.75
	MH		3.40	0.48	30							35	

Packed in carton.

SMH 1504	6 Pcs	11.2 kg	270 X 210 X 75 mm	SMH 2504	6 Pcs	17.6 kg	312 X 240 X 87 mm
MMH 2504	6 Pcs	13.5 kg	274 X 240 X 87 mm	MMH 4004	4 Pcs	15.2 kg	296 X 204 X 104 mm

vitalite YLI GROUP

Digital Version