



01

Emergency Light

IPL LED S SERIES

IPL LED A SERIES

IPL LED SERIES

IMPACT LIGHT SERIES

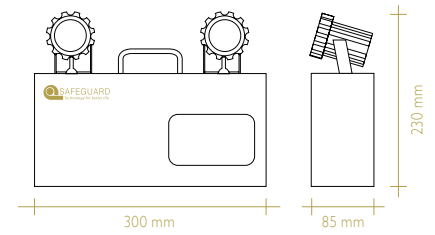
EL SERIES

+ IPL LED S SERIES

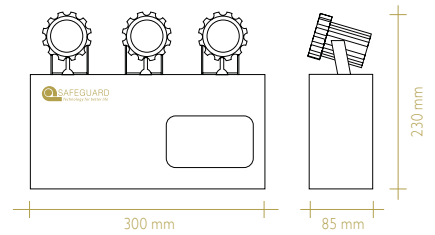


IPL 127-212 LED S

IPL 127-213 LED S



IPL 127-212 LED S



IPL 127-213 LED S

MODEL	LAMP (Watt)	BATTERY	DURATION (Hrs.-Mins)
IPL 127-212 LED S	2x3	12v 7.5Ah	12.00
	2x9	12v 7.5Ah	4.00
	2x12	12v 7.5Ah	3.00
IPL 127-213 LED S	3x3	12v 7.5Ah	8.00
	3x9	12v 7.5Ah	2.30
	3x12	12v 7.5Ah	2.00

REMARKS : 3W LED is equivalent to halogen 35W, 9W LED is equivalent to halogen 50W, 12W LED is equivalent to halogen 55W

SPECIFICATION

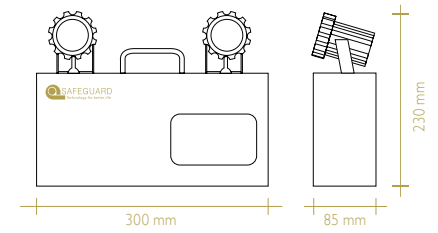
Mode of operation	Non-maintained
LED spec	- NICHIA LED - Warm white / Cool white color
Main supply	85 - 265 V AC
Construction	1 mm. electro-galvanized steel sheet with epoxy powder coating and stove enamel coated with anti rust corrosion
Battery	12 V 7.5 Ah Sealed-lead acid battery
Charger	Micro controller based switched mode charger
Charger period	12 hours
Safety features	Low-high voltage cut-off Battery over discharge and recharge system AC fuse for short circuit and overload for AC input prevention DC fuse for short circuit and overload for DC charge output prevention MOV (Metal Oxide Varistor) for surge protection Automatically stop operation when detecting surge in load current
Key features	On-Off button to turn on and off lamps without plugging into AC outlet Chg/Full to indicate either battery is being charged or fully-charged Fail indicator to indicate battery status Battery level indicator to indicate battery voltage level Automatic test for every 30 days (30 mins) and 180 days (60 mins) Remote control 4 digits LED 7-segment panel

IPL LED A SERIES

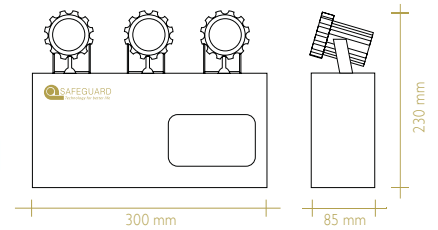


IPL 127-212 LED A

IPL 127-213 LED A



IPL 127-212 LED A



IPL 127-213 LED A

MODEL	LAMP (Watt)	BATTERY	DURATION (Hrs.-Mins)
IPL 127-212 LED A	2x3	12v 7.5Ah	12.00
	2x9	12v 7.5Ah	4.00
	2x12	12v 7.5Ah	3.00
IPL 127-213 LED A	3x3	12v 7.5Ah	8.00
	3x9	12v 7.5Ah	2.30
	3x12	12v 7.5Ah	2.00

REMARKS : 3W LED is equivalent to halogen 35W, 9W LED is equivalent to halogen 50W, 12W LED is equivalent to halogen 55W

SPECIFICATION

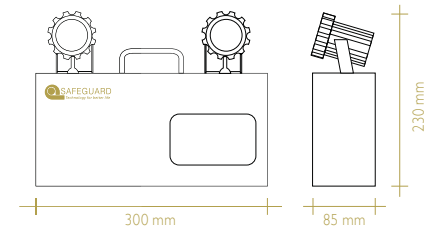
Mode of operation	Non-maintained
LED spec	- NICHIA LED - Warm white / Cool white color
Main supply	85-265 V AC
Construction	1 mm. electro-galvanized steel sheet with epoxy powder coating and stove enamel coated with anti rust corrosion
Battery	12 V 7.5 Ah Sealed-lead acid battery
Charger	Micro controller based switched mode charger
Charging period	12 hours $\pm 10\%$
Safety features	Low-high voltage cut-off Battery over discharge and recharge system AC fuse for short circuit and overload for AC input prevention DC fuse for short circuit and overload for DC charge output prevention MOV (Metal Oxide Varistor) for surge protection Automatically stop operation when detecting surge in load current
Indicators	On-Off button to turn on and off lamps without plugging into AC outlet Chg/Full to indicate either battery is being charged or fully-charged Fail indicator to indicate battery status Battery level indicator to indicate battery voltage level Automatic test for every 30 days (30 mins) and 180 days (60 mins) Remote control

+ IPL LED SERIES

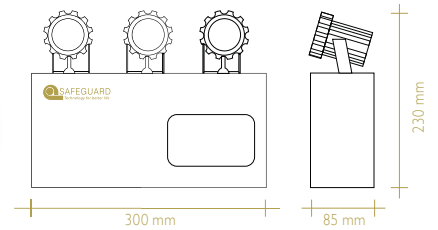


IPL 127-212 LED

IPL 127-213 LED



IPL 127-212 LED



IPL 127-213 LED

MODEL	LAMP (Watt)	BATTERY	DURATION (Hrs.-Mins)
IPL 127-212 LED	2x3	12v 7.5Ah	12.00
	2x9	12v 7.5Ah	4.00
	2x12	12v 7.5Ah	3.00
IPL 127-213 LED	3x3	12v 7.5Ah	8.00
	3x9	12v 7.5Ah	2.30
	3x12	12v 7.5Ah	2.00

REMARKS : 3W LED is equivalent to halogen 35W, 9W LED is equivalent to halogen 50W, 12W LED is equivalent to halogen 55W

SPECIFICATION

Mode of operation	Non-maintained
LED spec	• NICHIA LED • Warm white / Cool white color
Main supply	85-265 V AC
Construction	1 mm. electro-galvanized steel sheet with epoxy powder coating and stove enamel coated with anti rust corrosion
Battery	12 V 7.5 Ah Sealed-lead acid battery
Charger	Micro-controller based switched mode charger
Charging period	12 hours $\pm 10\%$
Safety features	Low-high voltage cut-off Battery over discharge and recharge system AC fuse for short circuit and overload for AC input prevention DC fuse for short circuit and overload for DC charge output prevention MOV (Metal Oxide Varistor) for surge protection Automatically stop operation when detecting surge in load current
Indicators	On-Off button to turn on and off lamps without plugging into AC outlet Charge Full to indicate either battery is being charged or fully-charged Fail indicator to indicate battery status Battery level indicator to indicate battery voltage level

IMPACT LIGHT SERIES



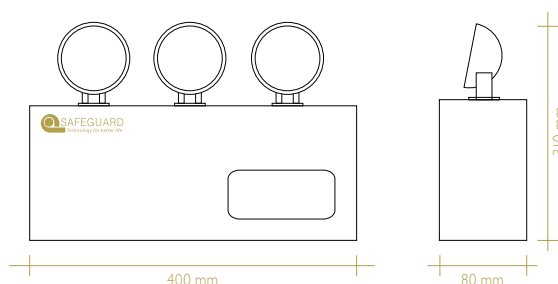
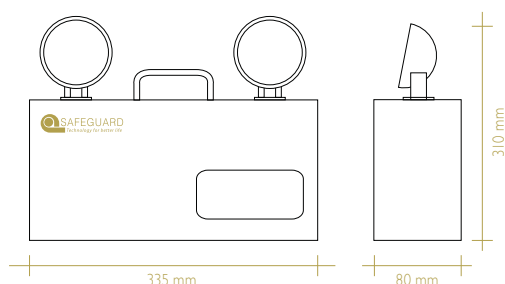
IPL 127-212



IPL 127-213



Halogen Dichroic

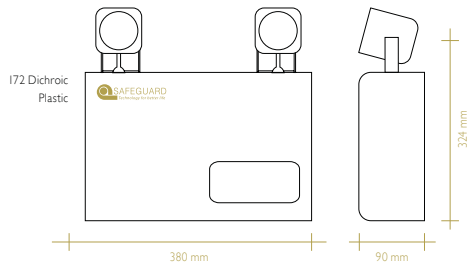


MODEL	LAMP (Watt)	BATTERY	DURATION (Hrs.-Mins)	DIMENSION WxLxH(mm.)
IPL 127-212	2 X 8 (лампы: Halogen накаливания)	12V 7.5Ah	4.30	80 x 335 x 310
	2 x 20 (лампы: Dichroic)	12V 12Ah	3.00	115 x 335 x 245
IPL 127-213	3 X 8 (лампы: Halogen накаливания)	12V 7.5Ah	2.30	80 x 400 x 310

SPECIFICATION

Mode of operation	Non-maintained
Lamp	Tungsten halogen / Dichroic halogen
Main supply	220 V AC
Construction	1 mm. electro-galvanized steel sheet with epoxy powder coating and stove enamel coated anti-rust corrosion
Battery	Sealed-Lead Acid battery
Charger	Solid-state system automatic battery charger
	Constant voltage charger
Charging period	15 hours $\pm 10\%$
Safety features	Low-high voltage cut-off
	Battery over discharge and recharge system
	DC fuse for short circuit and overload for DC charge output prevention

EL SERIES



หลอด Halogen แบบนอาน



หลอด Halogen แบบนอาน

EL 172 P, EL 242 P (ตู้พลาสติก)

MODEL	LAMP (Watt)	BATTERY	DURATION (Hrs.-Mins)
EL 172 P	2x35	12v 15Ah	2.00
	2x35	12v 18Ah	2.30
	2x50 (10W: Dichroic)	12v 21Ah	2.00
EL 242 P	2x55	12v 24Ah	2.00

SPECIFICATION

Mode of operation	Non-maintained
Operation	
Main supply	220 V AC
Lamp	Tungsten halogen / Dichroic halogen / Square tungsten halogen
Construction	1 mm. electro-galvanized steel sheet with epoxy powder coating for whole case or ABS front case for model EL 172P/ EL 242P only and stove enamel coated with anti rust corrosion
Battery	Sealed-Lead Acid battery
Charger	Solid-state system automatic battery charger Constant voltage charger
Charging period	15 hours $\pm 10\%$
Safety features	Low-high voltage cut-off Battery over discharge and recharge system AC fuse for short circuit and overload for AC input prevention DC fuse for short circuit and overload for DC charge output prevention

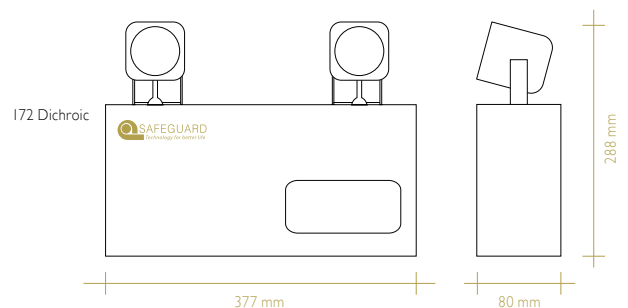
EL 172, EL 242 (ตู้เหล็ก)



หลอด Halogen แบบนอาน



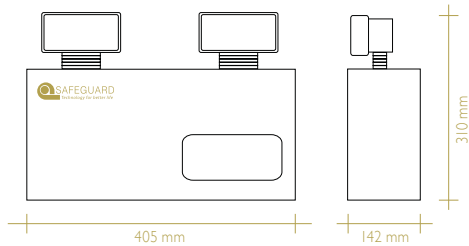
หลอด Halogen แบบนอาน



MODEL	LAMP (Watt)	BATTERY	DURATION (Hrs.-Mins)
EL 172	2x35	12v 15Ah	2.00
	2x35	12v 18Ah	2.30
	2x50 (10W: Dichroic)	12v 21Ah	2.00
EL 242	2x55	12v 24Ah	2.00

+ EL SERIES

EL 332



ແກ້ວ Dichoric



ແກ້ວ Halogen ພູນາວ

MODEL	LAMP (Watt)	BATTERY	DURATION (Hrs.-Mins)
EL 332	2x35	12v 26Ah	3.30
	2x50 (ແກ້ວ Dichoric)	12v 26Ah	2.30
	2x55	12v 26Ah	2.20
	2x35	12v 33Ah	4.30
	2x50 (ແກ້ວ Dichoric)	12v 33Ah	3.00
	2x55	12v 33Ah	3.00



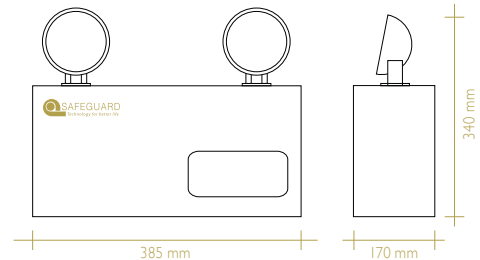
ແກ້ວ Dichoric



ແກ້ວ Halogen ພູນາວ



EL 402



MODEL	LAMP (Watt)	BATTERY	DURATION (Hrs.-Mins)
EL 402	2x35	12v 40Ah	5.30
	2x50 (ແກ້ວ Dichoric)	12v 40Ah	4.00
	2x55	12v 40Ah	3.30

SPECIFICATION

Mode of Operation	Non – Maintained
Lamp	Tungsten halogen / Dichroic halogen / Square tungsten halogen
Main Supply	220 V AC
Construction	1 mm. electro-galvanized steel sheet with epoxy powder and stove enamel coated anti-rust corrosion proof
Battery	Sealed Lead Acid battery
Charging Period	15 hours $\pm 10\%$
Chargers	Solid-state system automatic battery charger Constant voltage charger
Safety Features	Low-High voltage cut-off Battery over discharge and recharge prevention system AC fuse for short circuit and overload for AC input prevention DC fuse for short circuit and overload for DC charge output prevention



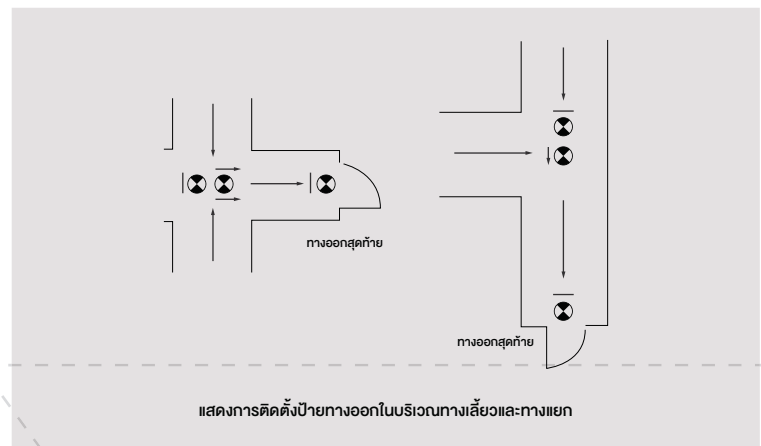
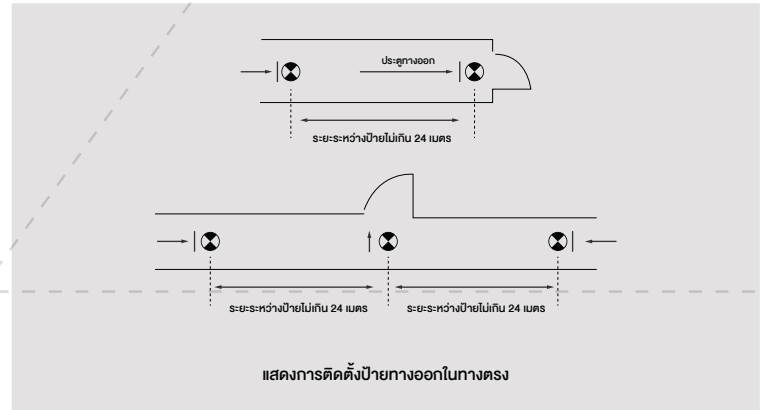
02

Exit Sign

LED EXIT SIGN

EXIT SIGN หรือ FLUORESCENT, PL

มาตรฐานป้าย EXIT SIGN



EXIT SIGN INFORMATION

โดยสรุปแล้วมาตรฐาน วสท 2004-51 ได้ระบุไว้อย่างชัดเจนว่าโคมไฟป้ายทางออกฉุกเฉินจะต้องมีคุณสมบัติดังต่อไปนี้

1. จะต้องมีแหล่งกำเนิดแสงอยู่ในโคมไฟและส่องสว่างตลอดเวลาเท่านั้น นั่นหมายถึงว่าป้ายสะท้อนแสงที่ทำเป็นป้ายทางออกไม่ถูกต้องตามมาตรฐานนี้
2. ป้ายจะต้องเป็นสีเหลี่ยมผืนผ้าหรือสี่เหลี่ยมจัตุรัสเท่านั้น โดยที่สีพื้นของป้ายจะต้องเป็นสีขาวล้วน ส่วนสีของสัญลักษณ์จะต้องเป็นสีทึบ
3. สัญลักษณ์ที่ใช้บนป้ายจะต้องเป็นสัญลักษณ์ลูกศร และสัญลักษณ์คนวิ่งเท่านั้น โดยที่จะใช้สัญลักษณ์คนวิ่งเพียงอย่างเดียว หรือทั้งสองสัญลักษณ์รวมกันก็ได้
4. ป้ายตัวอักษร ไม่อนุญาตให้ใช้เป็นป้ายทางออกฉุกเฉิน แต่สามารถใช้เสริมประกอบกับโคมไฟป้ายทางออกฉุกเฉินได้ โดยต้องทำให้แยกอิสระออกจากกัน
5. แบตเตอรี่ที่ใช้จะต้องเป็นแบบหุ้มปิดมิดชิดและไม่ต้องมีการบำรุงรักษาเท่านั้น
6. แบตเตอรี่ต้องสำรองไฟได้ไม่น้อยกว่า 90 นาที หรือ 120 นาที (ในกรณีอาคารสูงพิเศษ) โดยที่แรงดันห้ามลดต่ำกว่าร้อยละ 80 และต้องมีระยะเวลาในการชาร์จประจุแบตเตอรี่จนเต็มไม่เกิน 24 ชั่วโมง

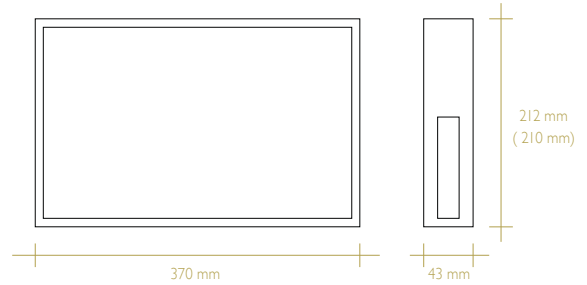
ตารางขนาดของโคมไฟป้ายทางออกฉุกเฉิน : มาตรฐาน วสท 2004-51

ขนาดขององค์ประกอบภาพ a (เซนติเมตร)	ขนาดขั้นต่ำของโคมไฟป้ายทางออกฉุกเฉินที่แนะนำ (สูง x ยาว) (เซนติเมตร x เซนติเมตร)		ระยะห่างระหว่างป้ายสูงสุด (เมตร)
	ใช้องค์ประกอบภาพ 1 ชั้น	ใช้องค์ประกอบภาพ 2 ชั้น	
10	15 x 18	15 x 33	24
15	21 x 25	21 x 46	36
20	28 x 32	28 x 60	48
>20	$(1.4a) \times (1.4a + 4)$	$(1.4a) \times (2.8a + 4)$	2.4a

LED EXIT SIGN



BOX Type

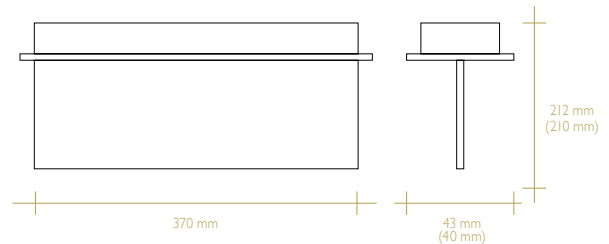


*หมายเหตุ : Dimension ในวงเล็บเป็นของรุ่น Auto-Test

MODEL	SIDE	BATTERY	DURATION (Hrs.-Mins)	DIMENSION WxLxH(mm.)	REMOTE
EXIT SLED B1	1	3.6V 1800mAh	3.00	43x370x212	
EXIT SLED B2	2	3.6V 1800mAh	3.00	43x370x212	
EXIT SLED B1 With Auto-Test	1	3.6V 1800mAh	3.00	40x370x210	✓
EXIT SLED B2 With Auto-Test	2	3.6V 1800mAh	3.00	40x370x210	✓



Slimline Type



*หมายเหตุ : Dimension ในวงเล็บเป็นของรุ่น Auto-Test

MODEL	SIDE	BATTERY	DURATION (Hrs.-Mins)	DIMENSION WxLxH(mm.)	REMOTE
EXIT SLED S1	1	3.6V 1800mAh	3.00	70 x 398 x 43	
EXIT SLED S2	2	3.6V 1800mAh	3.00	70 x 398 x 43	
EXIT SLED S1 With Auto-Test	1	3.6V 1800mAh	3.00	78 x 383 x 35	✓
EXIT SLED S2 With Auto-Test	2	3.6V 1800mAh	3.00	78 x 383 x 35	✓

SPECIFICATION

Mode of operation	Maintained
Lamp	22 NICHIA LEDs (27,000 mcd)
Main supply	85 - 265 V AC
Construction	1 mm electro-galvanized steel sheet with enamel coating and stove enamel coated with anti rust corrosion
Battery	3.6 V 1800 mAh Nickel Metal Hydride (Ni-Mh) battery High Temperature Grade
Charger	Switched mode constant voltage charger
Charging period	12 hours ±10 %
Indicator	AC power, Charge, Full charge, Fail
Legend	ISO green other optional legend are available (Box type) / Single or double side on acrylic plate or clear glass with the grooving legend (Slimline type)
Mounting	Wall or ceiling (Box type) / Outlet or behind the ceiling (Slimline type)
Indicator	AC power, Charge, Full charge, Fail

SAFETY FEATURES

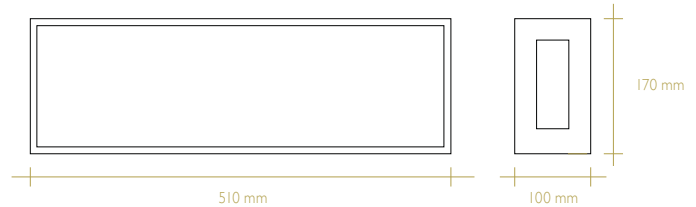
1. Low-high voltage cut-off
2. Battery over discharge and recharge system
3. AC fuse for short circuit and overload for AC input prevention
4. DC fuse for shortcircuit and overload for DC charge output prevention



EXIT SIGN FLUORESCENT, PL

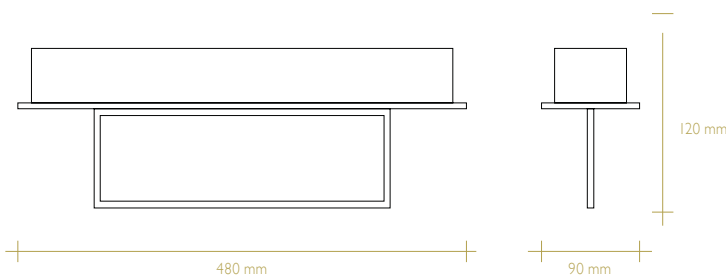


BOX Type



MODEL	LAMP	BATTERY	DURATION (Hrs.-Mins)
EXIT B1 / B2	1x10 FL	6V 4.5Ah (SLA)	3.00
		6V 4.5Ah (Ni-Cd)	2.00
	1x11 PL	6V 4.5Ah (SLA)	2.30
		6V 4.5Ah (Ni-Cd)	1.30
	2x10 FL	6V 4.5Ah (SLA)	3.00
		6V 4.5Ah (Ni-Cd)	2.00
	2x11 PL	6V 4.5Ah (SLA)	2.30
		6V 4.5Ah (Ni-Cd)	1.30

REMARKS : REMARK : EXIT B1 คือ ป้ายแสดงสัญลักษณ์ 1 หน้า / EXIT B2 คือ ป้ายแสดงสัญลักษณ์ 2 หน้า



Slimline Type

MODEL	LAMP	BATTERY	DURATION (Hrs.-Mins)
EXIT S1 / S2	1x10 FL	6V 4.5Ah (SLA)	3.00
		6V 4.5Ah (Ni-Cd)	2.00
	1x11 PL	6V 4.5Ah (SLA)	2.30
		6V 4.5Ah (Ni-Cd)	1.30
	2x10 FL	6V 4.5Ah (SLA)	3.00
		6V 4.5Ah (Ni-Cd)	2.00
	2x11 PL	6V 4.5Ah (SLA)	2.30
		6V 4.5Ah (Ni-Cd)	1.30

REMARKS : REMARK : EXIT S1 คือ ป้ายแสดงสัญลักษณ์ 1 หน้า / EXIT S2 คือ ป้ายแสดงสัญลักษณ์ 2 หน้า

SPECIFICATION

Mode of operation	Non-maintained
Lamp	Fluorescent Lamp (10W) or PL Lamp (11 W)
Main supply	220 V AC
Construction	1 mm. electro-galvanized steel sheet with epoxy powder coating and stove enamel coated with anti rust corrosion
Battery	Sealed-Lead Acid battery or Nickel-Cadmium battery
Charger	Solid-state system automatic battery charger Constant voltage charger
	16 hours $\pm 10\%$
Safety features	Low-high voltage cut-off Battery over discharge and recharge system AC fuse for short circuit and overload for AC input prevention DC fuse for short circuit and overload for DC charge output prevention
Legend	ISO green other optional legend are available (Box type) Single or double side on acrylic plate or clear glass with the grooving legend (Slimline type)
Mounting	Wall or ceiling (Box type) Outlet or behind the ceiling (Slimline type)
Options	Auto-testing system Remote test system

NOTE



03

Central Battery

IPL SERIES 12 V DC

EL SERIES 12 V DC

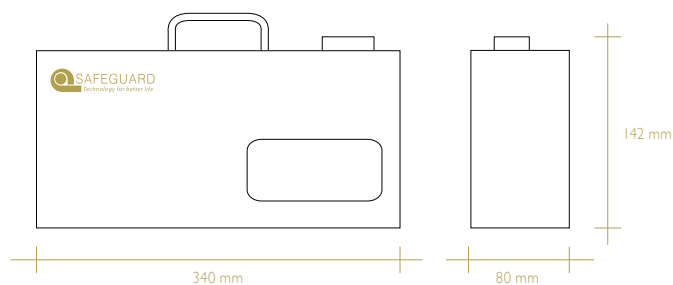
SL SERIES 12 V DC/24 V DC

HPE SERIES 220 V AC

IPL SERIES (12 V DC)



IPL 127-212



MODEL	POWER	BATTERY	DURATION (Hrs.-Mins)	DIMENSION WxLxH(mm.)
IPL 127-212	40W	12V 7.5Ah	1.45	80 x 340 x 142
IPL 127-212	60W	12V 12Ah	2.00	102 x 335 x 160

SPECIFICATION

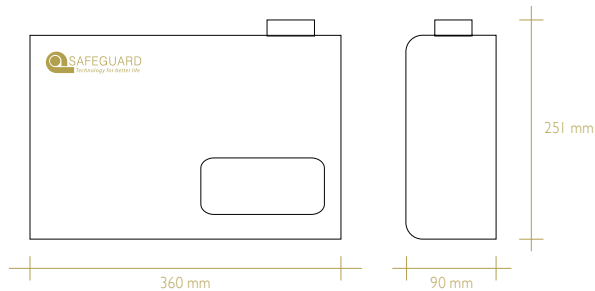
Mode of Operation	Non – Maintained
Lamp	Terminal to connect to remote lamp
Main Supply	220 V AC
Construction	1 mm. electro-galvanized steel sheet with epoxy powder and stove enamel coated anti-rust corrosion proof
Battery	Sealed Lead Acid battery
Charging Period	15 hours ±10 %
Chargers	Solid-state system automatic battery charger Constant voltage charger
Safety Features	Low-High voltage cut-off Battery over discharge and recharge prevention system DC fuse for short circuit and overload for DC charge output prevention

⊕ EL SERIES (12 V DC)



ELI72

EL P Series (12V DC)



MODEL	POWER		BATTERY		DURATION (Hrs.-Mins)	DIMENSION WxLxH(mm.)
EL 172 P	70W		12V 15Ah		1.45	90 x 360 x 251
	100W		12V 21Ah		2.00	
EL 242 P	110W		12V 24Ah		2.00	90 x 360 x 251

SPECIFICATION

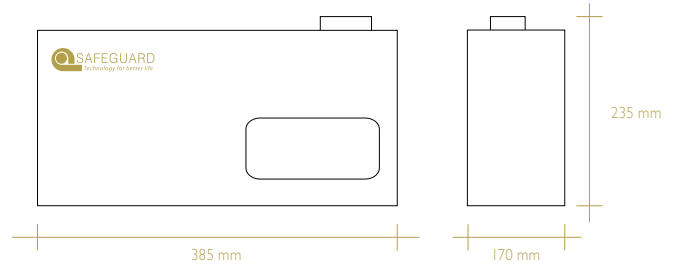
Mode of Operation	Non – Maintained
Lamp	Terminal to connect to remote lamp
Main Supply	220 V AC
Construction	1 mm. electro-galvanized steel sheet with epoxy powder and stove enamel coated anti-rust corrosion proof with front ABS case
Battery	Sealed Lead Acid battery
Charging Period	15 hours ±10 %
Chargers	Solid-state system automatic battery charger Constant voltage charger
Safety Features	Low-High voltage cut-off Battery over discharge and recharge prevention system AC fuse for short circuit and overload for AC input prevention DC fuse for short circuit and overload for DC charge output prevention
Option	Auto-testing system

⊕ EL SERIES (12V DC)



EL402

EL (ตู้เหล็ก) Series (12V DC)



MODEL	POWER	BATTERY	DURATION (Hrs.-Mins)	DIMENSION WxLxH(mm.)
EL 172	70W	12V 15Ah	2.00	80 x 347x 213
	100W	12V 21Ah	2.00	
EL 242	110W	12V 24Ah	2.00	142 x 385 x 235
EL 332	120W	12V 26Ah	2.00	
EL 332	165W	12V 33Ah	2.00	
EL 402	200W	12V 40Ah	2.00	170 x 385 x 235

SPECIFICATION

Mode of Operation	Non – Maintained
Lamp	Terminal to connect to remote lamp
Main Supply	220 V AC
Construction	1 mm. electro-galvanized steel sheet with epoxy powder and stove enamel coated anti-rust corrosion proof
Battery	Sealed Lead Acid battery
Charging Period	15 hours ±10 %
Chargers	Solid-state system automatic battery charger
Safety Features	Constant voltage charger
	Low-High voltage cut-off
	Battery over discharge and recharge prevention system
	AC fuse for short circuit and overload for AC input prevention
Option	DC fuse for short circuit and overload for DC charge output prevention
	Auto-testing system

+ SL SERIES

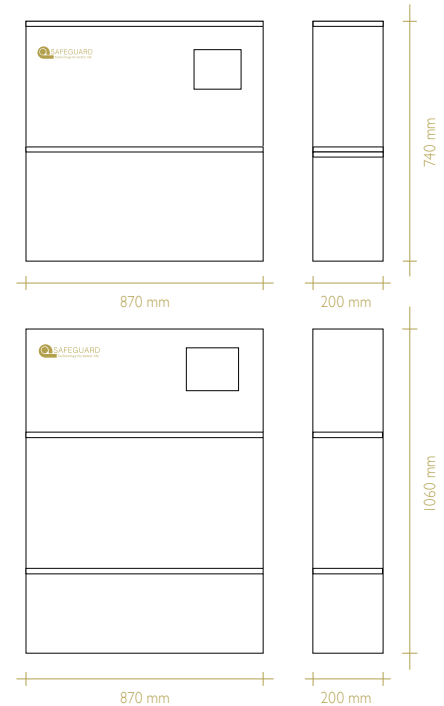


MODEL	POWER	BATTERY	DURATION (Hrs.-Mins)	DIMENSION WxLxH(mm.)
SL 1007 (12V DC)	300W	12V 65Ah	2.00	200 x 575 x 610
	350W	12V 75Ah	2.00	
	500W	12V 100Ah	2.00	
	600W	12V 120Ah	2.00	
	750W	12V 150Ah	2.00	
SL 2810 (12V DC, 24V DC)	1000W	12V 100Ah x2	2.00	200 x 575 x 930
	1200W	12V 120Ah x2	2.00	
	1500W	12V 150Ah x2	2.00	
	2000W	12V 100Ah x4	2.00	200 x 870 x 1060
	2400W	12V 120Ah x4	2.00	

SPECIFICATION

Mode of operation	Non-maintained
Remote lamp	Tungsten halogen / Dichroic halogen / LED
Main supply	220 V AC
Construction	1.2 mm, electro-galvanized steel sheet with epoxy powder coating and stove enamel coated with anti rust corrosion
Battery	Sealed-Lead Acid battery
Charger	Solid-state system automatic battery charger Constant voltage charger
Charging period	48 hours $\pm 10\%$
Safety features	Low-high voltage cut-off Battery over discharge and recharge system AC fuse for short circuit and overload for AC input prevention DC fuse for short circuit and overload for DC charge output prevention AC test DC test
Indicators	Switch on-off DC voltmeter AC ampmeter AC indicator DC indicator
Options	Charging indicator Auto-testing system

⊕ HPE SERIES (220 V AC)



MODEL	POWER	BATTERY	DURATION (Hrs.-Mins)	DIMENSION WxLxH(mm.)
HPE 500	500W	12V 65Ah x 2	2.00	200 x 870 x 740
HPE 750	750W	12V 100Ah x 2	2.00	
HPE 1000	1000W	12V 120Ah x 2	2.00	
HPE 1500	1500W	12V 100Ah x 4	2.00	
HPE 2000	2000W	12V 120Ah x 4	2.00	200 x 870 x 1060

SPECIFICATION

Mode of Operation	Non – Maintained, Maintained
Lamp	Tungsten Halogen, Dichroic Halogen, Incandescent, Fluorescent, PL or LED
Main Supply	220 VAC 50 Hz $\pm$ 5% 1 phase
Construction	1.2 mm. electro-galvanized steel sheet with epoxy powder and stove enamel coated anti-rust corrosion proof
Battery	Sealed-lead Acid battery
Charging Period	48 Hrs. $\pm$ 10%
Chargers	Solid-state system automatic battery charger Constant voltage charger
Safety Features	Low-High voltage cut-off Battery over discharge and recharge prevention system AC fuse for short circuit and overload for AC input prevention DC fuse for short circuit and overload for DC charge output prevention AC test and DC test Overload buzzer warning Stop supplying after 1 minute of overload Reset switch after overload
Indicators	DC Voltmeter AC Ammeter AC indicator (Switch) Full charge (Green LED) Zone indicator (Red LED) Overload indicator (Red LED)
Options	Auto-testing system



04 Lamps

- ☐ DOWNLIGHT LED
- ☐ REMOTE LAMP LED
- ☐ DOWNLIGHT HALOGEN
- ☐ REMOTE LAMP HALOGEN
- ☐ LED LAMP

+ Downlight LED

แบบปรับองศาได้ 5 แบบ



Model : DL LED-3W

Lamp Power : 3W
Main Supply : 12 V DC
Dimension : 100x100x90 mm.
(W x L x H)



Model : DL LED-8W

Lamp Power : 8W
Main Supply : 12 V DC/220 V AC
Dimension : 130x130x80 mm.
(W x L x H)



Model : DL LED-10W

Lamp Power : 10W
Main Supply : 12 V DC/220 V AC
Dimension : 125x125x75 mm.
(W x L x H)



Model : DL LED-13W

Lamp Power : 13W
Main Supply : 12 V DC/220 V AC
Dimension : 150x150x80 mm.
(W x L x H)



Model : DL LED-17W

Lamp Power : 17W
Main Supply : 12 V DC/220 V AC
Dimension : 150x150x90 mm.
(W x L x H)

แบบไม่ปรับองศา 4 แบบ



Model : DL LED-3WF

Lamp Power : 3W
Main Supply : 12 V DC
Dimension : 78x78x65 mm.
(W x L x H)



Model : DL LED-7WF

Lamp Power : 7W
Main Supply : 12 V DC/220 V AC
Dimension : 91x91x58 mm.
(W x L x H)



Model : DL LED-13WF

Lamp Power : 13W
Main Supply : 12 V DC/220 V AC
Dimension : 130x130x68 mm.
(W x L x H)



Model : DL LED-17WF

Lamp Power : 17W
Main Supply : 12 V DC/220 V AC
Dimension : 180x180x79 mm.
(W x L x H)

+ Remote Lamp LED

SINGLE



Model : RLD-ILED

Lamp Power : 3 W LED
Main Supply : 12 V DC
Dimension : 110x90x120 mm.
(W x L x H)



Model : RL-ILED

Lamp Power : 3W LED, 9W LED,
12W LED
Main Supply : 12 V DC
Dimension : 110x118x110 mm.
(W x L x H)

DOUBLE



Model : RLD-2LED

Lamp Power : 2x3 W LED
Main Supply : 12 VDC
Dimension : 230x90x120 mm.
(W x L x H)



Model : RL-2LED

Lamp Power : 2x3W LED,
2x9W LED, 2x12W LED
Main Supply : 12 VDC
Dimension : 230x118x110 mm.
(W x L x H)

TRIPLE



Model : RLD-3LED

Lamp Power : 3x3 W LED
Main Supply : 12 VDC
Dimension : 300x90x120 mm.
(W x L x H)



Model : RL-3LED

Lamp Power : 3x3W LED, 3x9W LED,
3x12W LED
Main Supply : 12 VDC
Dimension : 300x118x110 mm. (W x L x H)

LED Load Table For Central Battery

MODEL	Emergency lamp			Downlight lamp ปรับองศาได้				Downlight lamp ปรับองศาไม่ได้		
	3W	9W	12W	8W	10W	13W	17W	7W	13W	17W
IPL 127-212 36W	9	4	3	4	3	2	2	5	2	2
EL 172 15Ah 70W	17	7	5	8	7	5	4	10	5	4
EL 172 18Ah 90W	22	10	7	11	9	7	5	13	7	5
EL 172 21Ah 100W	25	11	8	12	10	7	6	14	7	6
EL 242 24Ah 110W	27	12	9	13	11	8	6	15	8	6
EL 242 26Ah 120W	30	13	10	15	12	9	7	17	9	7
EL 332 33Ah 165W	40	18	13	20	16	12	9	23	12	9
EL 402 40Ah 200W	50	22	16	25	20	15	11	28	15	11
SL 1007 65Ah 300W	75	33	25	37	30	23	18	42	23	18
SL 1007 75Ah 350W	87	38	29	44	35	27	20	50	27	20
SL 1007 100Ah 500W	125	55	40	62	50	38	29	71	38	29
SL 1007 120Ah 600W	150	66	50	75	60	46	35	85	46	35
SL 1007 150Ah 750W	187	83	62	94	75	57	44	107	57	44
SL 2810 100Ahx2 1000W	250	110	83	125	100	77	59	142	77	59
SL 2810 120Ahx2 1200W	300	130	100	150	120	92	70	170	92	70
SL 2810 150Ahx2 1500W	375	165	125	187	150	115	88	214	115	88
SL 2810 100Ahx4 2000W	500	220	167	250	200	154	117	286	154	117
SL 2810 120Ahx4 2400W	600	265	200	300	240	184	141	342	184	141

+ Downlight Halogen



Model : DL-1 (ปรับองศาได้)

Lamp Power : Dichroic 20W,35W,50W,55W

Main Supply : 12 V DC

Dimension : 100x100x90 mm.
(W x L x H)



Model : DL-2 (ปรับองศาไม่ได้)

Lamp Power : Dichroic 20W,35W,50W,55W

Main Supply : 12 V DC

Dimension : 78x78x65 mm.
(W x L x H)

+ Remote Lamp Halogen

SINGLE



Model : RLD-1

Lamp Power : Dichoric 20W,
35W,50W,55W
Main Supply : 12 VDC
Dimension : 110x90x120 mm.
(W x L x H)



Model : RLT-1

Lamp Power : Halogen 35W,
55W
Main Supply : 12 V DC
Dimension : 110x80x145 mm.
(W x L x H)



Model : RLS-1

Lamp Power : Halogen 35W
55W
Main Supply : 12 V DC
Dimension : 158x103x120 mm.
(W x L x H)

DOUBLE



Model : RLD-2

Lamp Power : Dichoric 2x20W,
2x35W,2x50W,2x55W
Main Supply : 12 V DC
Dimension : 230x90x120 mm.
(W x L x H)



Model : RLT-2

Lamp Power : Halogen 2x35W,
2x55W
Main Supply : 12 V DC
Dimension : 230x80x145 mm.
(W x L x H)



Model : RLS-2

Lamp Power : Halogen 2x35W,
2x55W
Main Supply : 12 V DC
Dimension : 320x103x120 mm.
(W x L x H)

TRIPLE



Model : RLD-3

Lamp Power : Halogen 3x20W,
3x35W,3x50W,3x55W
Main Supply : 12 V DC
Dimension : 300x90x120 mm.
(W x L x H)



Model : RLT-3

Lamp Power : Dichroic 3x35W,
3x55W
Main Supply : 12 V DC
Dimension : 300x80x145 mm.
(W x L x H)

LED Lamp

MODEL	EXA-HB-60W	EXA-HB-90W	EXA-HB-120W	EXA-HB-150W	EXA-HB-180W
Power consumption	60W	90W	120W	150W	180W
Luminous flux	7200 lumen	10800 lumen	14400 lumen	18000 lumen	21600 lumen
LED brand	Premium quality OSRAM LED from Germany				
Power factor	≥0.98				
%THD	≤12%				
Color temperature	Warm white (4000K) Cool white (6000)				
Beam Angle	30 / 60 degree				
AC Input	85-265 V AC				
Housing/Lens	Copper free aluminium / Polycarbonate (PC)				
Working temperature	-40 - 60 Celcius				
IP class	IP 65				
Net weight	8 kgs				
Dimension	Lamp body : 263x263x155 mm Lamp shade : 400 mm				

Model : EXALED Highbay



MODEL	EXA-TU21-11WN	EXA-TU22-12WN	EXA-TU41-18WN	EXA-TU42-20WN
Power consumption	11W	12W	18W	18W
Lamp cover type	Clear/Frost	Clear/Frost	Clear/Frost	Clear/Frost
Luminous flux	725 / 650	900 / 800	1450 / 1200	1600 / 1420
LED brand	Premium quality NICHIA LED from Japan			
Power factor	0.95	0.98	0.95	0.98
%THD	≤10%	≤5%	≤10%	≤5%
Color temperature	Cool white (6000)			
Beam Angle	120 degree			
AC Input	85-265 V AC	170-240 V AC	85-265 V AC	170-240 V AC
Housing/Lens	Copper free aluminium / Illumination grade Polycarbonate (PC)			
Working temperature	-40 - 60 Celcius			
Net weight	180 g.	180 g.	300 g.	300 g.
Driver type	External LED driver			
Dimension	Lamp body : 27.4x60.5x27 mm		Lamp body : 27.4x121x27 mm	

Model : EXALED Tube



MODEL	EXA-GL-30W	EXA-GL-60W	EXA-GL-90W	EXA-GL-120W	EXA-GL-150W	EXA-GL-180W
Power consumption	30W	60W	90W	120W	150W	180W
Luminous flux	3600 lumen	7200 lumen	12000 lumen	14400 lumen	18000 lumen	21600 lumen
LED brand	Premium quality OSRAM LED from Germany					
Power factor	≥0.98					
%THD	≤12%					
Color temperature	Warm white (4000K) Cool white (6000)					
Beam Angle	60 / 120 degree					
AC Input	85-265 V AC					
Housing/Lens	Copper free aluminium / Polycarbonate (PC)					
Working temperature	-40 - 60 Celcius					
IP class	IP 65 (Upgradable to IP67)					
Net weight	8 kgs					
Dimension	Lamp body: 163x360x323 mm					

Model : EXALED Flood Light

