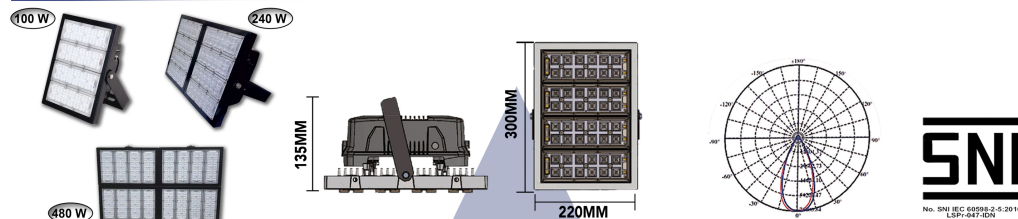


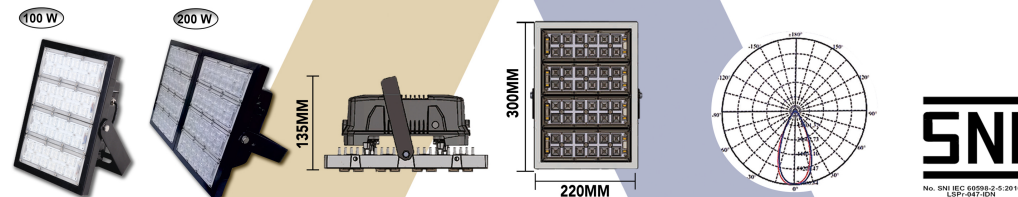
**LAMPU MODULAR ENGINE LED MORADON SERI - L (LONG)**



Product Type	LED Chip	Power Consumption	Luminous Flux	Voltage (V)	Color Temperature	IP RATED	Power Factor	Efficacy	CRI (Color Rendering Index)	Body Material	Dimensi Berat	Lifetime
MEL-120	SAMSUNG	120 Watt	14400 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.90	120 Lm/Watt	70	Aluminium Decasted Body	5 KG	50.000 Hours
MEL-240	SAMSUNG	240 Watt	28800 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.90	120 Lm/Watt	70	Aluminium Decasted Body	10 KG	50.000 Hours
MEL-400	SAMSUNG	400 Watt	48000 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.90	120 Lm/Watt	70	Aluminium Decasted Body	20 KG	50.000 Hours
MEL-480	SAMSUNG	480 Watt	57600 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.90	120 Lm/Watt	70	Aluminium Decasted Body	20 KG	50.000 Hours
MEL-500	SAMSUNG	500 Watt	60000 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.90	120 Lm/Watt	70	Aluminium Decasted Body	20 KG	50.000 Hours
MEL-600	SAMSUNG	600 Watt	72000 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.90	120 Lm/Watt	70	Aluminium Decasted Body	20 KG	50.000 Hours

TKDN 54,26 %

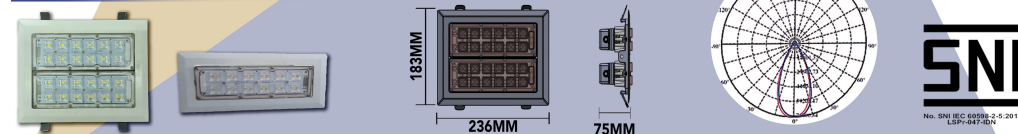
**LAMPU MODULAR ENGINE LED MORADON SERI - S (STREET)**



Product Type	LED Chip	Power Consumption	Luminous Flux	Voltage (V)	Color Temperature	IP RATED	Power Factor	Efficacy	CRI (Color Rendering Index)	Body Material	Dimensi Berat	Lifetime
MES-60	SAMSUNG	60 Watt	7200 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.90	120 Lm/Watt	70	Aluminium Decasted Body	5 KG	50.000 Hours
MES-90	SAMSUNG	90 Watt	10800 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.90	120 Lm/Watt	70	Aluminium Decasted Body	5 KG	50.000 Hours
MES-100	SAMSUNG	100 Watt	12000 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.90	120 Lm/Watt	70	Aluminium Decasted Body	5 KG	50.000 Hours
MES-120	SAMSUNG	120 Watt	14400 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.90	120 Lm/Watt	70	Aluminium Decasted Body	5 KG	50.000 Hours
MES-200	SAMSUNG	200 Watt	24000 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.90	120 Lm/Watt	70	Aluminium Decasted Body	10 KG	50.000 Hours

TKDN 54,26 %

**LAMPU MODULAR ENGINE LED MORADON SERI - L HIGH CEILING**



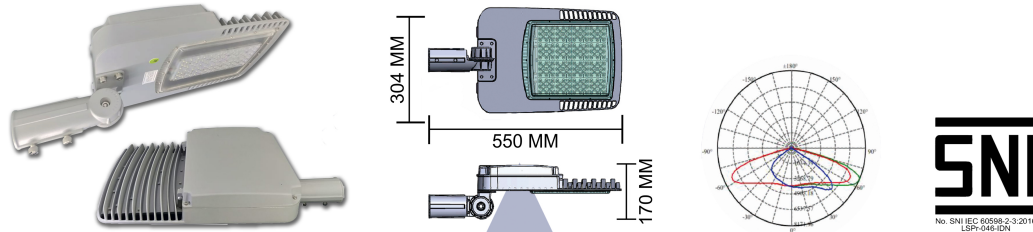
Product Type	LED Chip	Power Consumption	Luminous Flux	Voltage (V)	Color Temperature	IP RATED	Power Factor	Efficacy	CRI (Color Rendering Index)	Body Material	Dimensi Berat	Lifetime
MEL-20 H	SAMSUNG	20 Watt	2400 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.90	120 Lm/Watt	70	Aluminium Decasted Body	800 Gram	50.000 Hours
MEL-25 H	SAMSUNG	25 Watt	3000 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.90	120 Lm/Watt	70	Aluminium Decasted Body	800 Gram	50.000 Hours
MEL-30 H	SAMSUNG	30 Watt	3600 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.90	120 Lm/Watt	70	Aluminium Decasted Body	800 Gram	50.000 Hours
MEL-40 H	SAMSUNG	40 Watt	4800 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.90	120 Lm/Watt	70	Aluminium Decasted Body	800 Gram	50.000 Hours
MEL-50 H	SAMSUNG	50 Watt	6000 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.90	120 Lm/Watt	70	Aluminium Decasted Body	800 Gram	50.000 Hours
MEL-60 H	SAMSUNG	60 Watt	7200 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.90	120 Lm/Watt	70	Aluminium Decasted Body	800 Gram	50.000 Hours

# MORADON

## LED LIGHTING

BETTER LIGHTING FOR A BETTER FUTURE

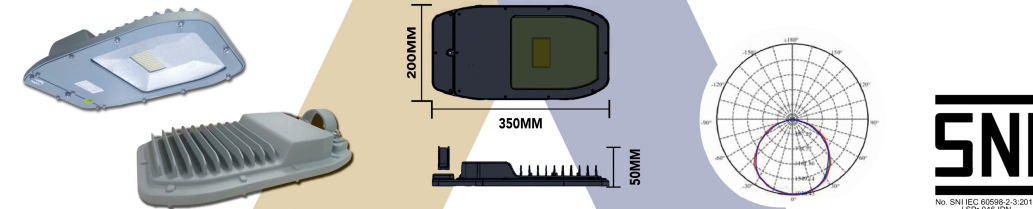
LAMPU JALAN LED MORADON SERI - P



Product Type	LED Chip	Power Consumption	Luminous Flux	Voltage (V)	Color Temperature	IP RATED	Power Factor	Efficacy	CRI (Color Rendering Index)	Body Material	Dimensi Berat	Lifetime
SLP-100	SAMSUNG	100 Watt	15000 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.96	150 Lm/Watt	70	Aluminium Diecasted Body	6 KG	50.000 Hours
SLP-120	SAMSUNG	120 Watt	18000 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.96	150 Lm/Watt	70	Aluminium Diecasted Body	6 KG	50.000 Hours
SLP-150	SAMSUNG	150 Watt	22500 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.96	150 Lm/Watt	70	Aluminium Diecasted Body	6 KG	50.000 Hours
SLP-200	SAMSUNG	200 Watt	30000 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.96	150 Lm/Watt	70	Aluminium Diecasted Body	6 KG	50.000 Hours
SLP-240	SAMSUNG	240 Watt	36000 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.96	150 Lm/Watt	70	Aluminium Diecasted Body	6 KG	50.000 Hours
SLP-300	SAMSUNG	300 Watt	45000 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.96	150 Lm/Watt	70	Aluminium Diecasted Body	6 KG	50.000 Hours

TKDN 50,71%

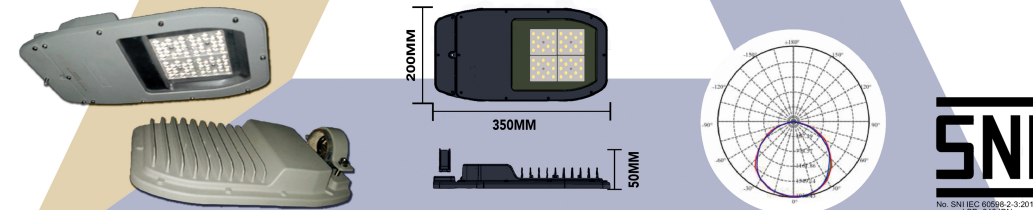
LAMPU JALAN LED MORADON SERI - E



Product Type	LED Chip	Power Consumption	Luminous Flux	Voltage (V)	Color Temperature	IP RATED	Power Factor	Efficacy	CRI (Color Rendering Index)	Body Material	Dimensi Berat	Lifetime
SLE-20	SAMSUNG	20 Watt	2600 Lumens	180 - 240 V	3000K / 6500K	IP 67	0.85	130 Lm/Watt	80	Aluminium Diecasted Body	3 KG	50.000 Hours
SLE-30	SAMSUNG	30 Watt	3900 Lumens	180 - 240 V	3000K / 6500K	IP 67	0.85	130 Lm/Watt	80	Aluminium Diecasted Body	3 KG	50.000 Hours
SLE-40	SAMSUNG	40 Watt	5200 Lumens	180 - 240 V	3000K / 6500K	IP 67	0.85	130 Lm/Watt	80	Aluminium Diecasted Body	3 KG	50.000 Hours
SLE-60	SAMSUNG	60 Watt	7800 Lumens	180 - 240 V	3000K / 6500K	IP 67	0.85	130 Lm/Watt	80	Aluminium Diecasted Body	3 KG	50.000 Hours

TKDN 69,26%

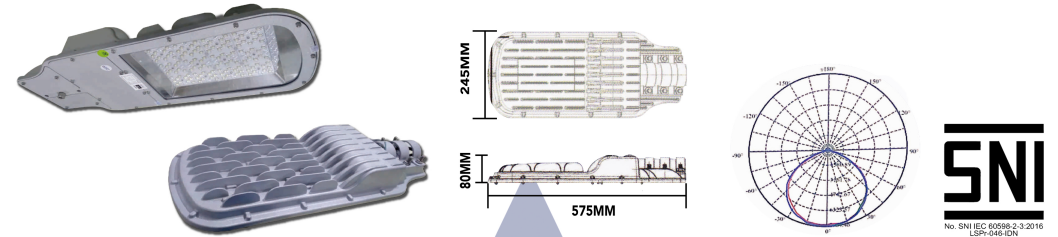
LAMPU JALAN LED MORADON SERI - E (NEW)



Product Type	LED Chip	Power Consumption	Luminous Flux	Voltage (V)	Color Temperature	IP RATED	Power Factor	Efficacy	CRI (Color Rendering Index)	Body Material	Dimensi Berat	Lifetime
SLE-20 N	SAMSUNG	20 Watt	3200 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.95	160 Lm/Watt	80	Aluminium Diecasted Body	3 KG	50.000 Hours
SLE-30 N	SAMSUNG	30 Watt	4800 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.95	160 Lm/Watt	80	Aluminium Diecasted Body	3 KG	50.000 Hours
SLE-40 N	SAMSUNG	40 Watt	6400 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.95	160 Lm/Watt	80	Aluminium Diecasted Body	3 KG	50.000 Hours
SLE-60 N	SAMSUNG	60 Watt	9600 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.95	160 Lm/Watt	80	Aluminium Diecasted Body	3 KG	50.000 Hours

TKDN 69,26%

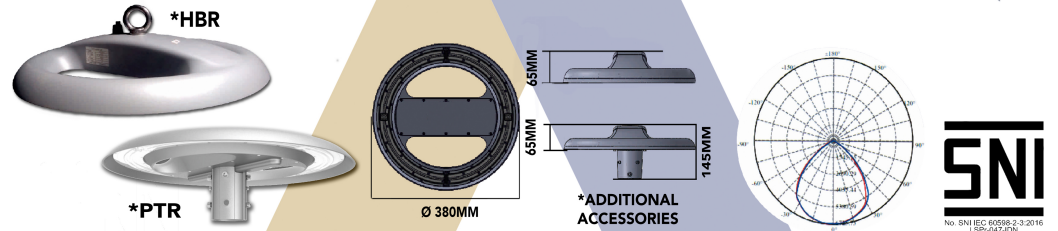
LAMPU JALAN LED MORADON SERI - MH



Product Type	LED Chip	Power Consumption	Luminous Flux	Voltage (V)	Color Temperature	IP RATED	Power Factor	Efficacy	CRI (Color Rendering Index)	Body Material	Dimensi Berat	Lifetime
SLMH-60	SAMSUNG	60 Watt	6600 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.85	110 Lm/Watt	70	Aluminium Diecasted Body	6 KG	50.000 Hours
SLMH-70	SAMSUNG	70 Watt	7700 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.85	110 Lm/Watt	70	Aluminium Diecasted Body	6 KG	50.000 Hours
SLMH-90	SAMSUNG	90 Watt	9900 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.85	110 Lm/Watt	70	Aluminium Diecasted Body	6 KG	50.000 Hours
SLMH-120	SAMSUNG	120 Watt	13200 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.85	110 Lm/Watt	70	Aluminium Diecasted Body	6 KG	50.000 Hours
SLMH-150	SAMSUNG	150 Watt	16500 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.85	110 Lm/Watt	70	Aluminium Diecasted Body	6 KG	50.000 Hours

TKDN 55,13%

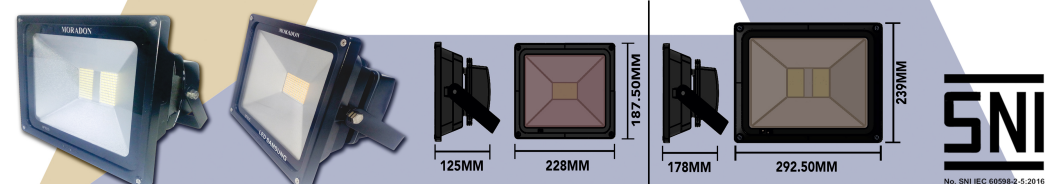
LAMPU RING LED MORADON



Product Type	LED Chip	Power Consumption	Luminous Flux	Voltage (V)	Color Temperature	IP RATED	Power Factor	Efficacy	CRI (Color Rendering Index)	Body Material	Dimensi Berat	Lifetime
HBR/PTR-40	SAMSUNG	40 Watt	6400 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.95	160 Lm/Watt	80	Aluminium Diecasted Body	4 KG	50.000 Hours
HBR/PTR-60	SAMSUNG	60 Watt	9600 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.95	160 Lm/Watt	80	Aluminium Diecasted Body	4 KG	50.000 Hours
HBR/PTR-80	SAMSUNG	80 Watt	12800 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.95	160 Lm/Watt	80	Aluminium Diecasted Body	4 KG	50.000 Hours
HBR/PTR-100	SAMSUNG	100 Watt	16000 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.95	160 Lm/Watt	80	Aluminium Diecasted Body	4 KG	50.000 Hours
HBR/PTR-120	SAMSUNG	120 Watt	19200 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.95	160 Lm/Watt	80	Aluminium Diecasted Body	4 KG	50.000 Hours
HBR/PTR-150	SAMSUNG	150 Watt	24000 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.95	160 Lm/Watt	80	Aluminium Diecasted Body	4 KG	50.000 Hours
HBR/PTR-200	SAMSUNG	200 Watt	32000 Lumens	180 - 240 V	3000K / 5000K	IP 67	0.95	160 Lm/Watt	80	Aluminium Diecasted Body	4 KG	50.000 Hours

TKDN ON PROCESS

LAMPU FLOODLIGHT LED MORADON SERI - ES



Product Type	LED Chip	Power Consumption	Luminous Flux	Voltage (V)	Color Temperature	IP RATED	Power Factor	Efficacy	CRI (Color Rendering Index)	Body Material	Dimensi Berat	Lifetime
FLES-40	SAMSUNG	40 Watt	4600 Lumens	180 - 240 V	3000K / 6500K	IP 67	0.85	115 Lm/Watt	80	Aluminium Diecasted Body	6 KG	50.000 Hours
FLES-60	SAMSUNG	60 Watt	6600 Lumens	180 - 240 V	3000K / 6500K	IP 67	0.85	110 Lm/Watt	80	Aluminium Diecasted Body	6 KG	50.000 Hours
FLES-100	SAMSUNG	100 Watt	11500 Lumens	180 - 240 V	3000K / 6500K	IP 67	0.90	115 Lm/Watt	80	Aluminium Diecasted Body	6 KG	50.000 Hours