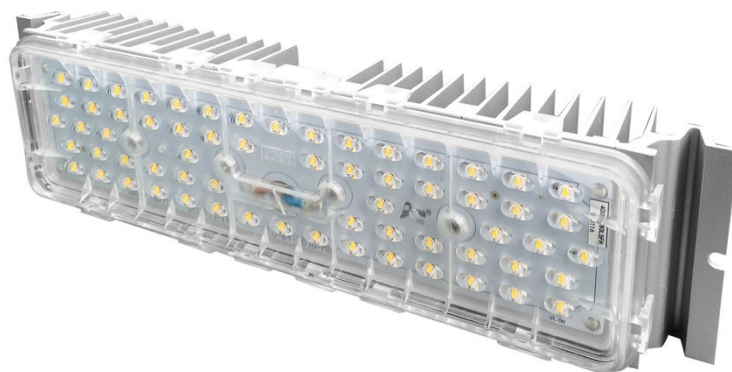


# Specification

## LED Module M8B Series



### Features

- High brightness Lumileds Luxeon 3030 LEDs
- IP68 rating
- Super long lifetime (lumen maintenance)
- Full range of power selections
- Multiple lighting distributions available

### Applications

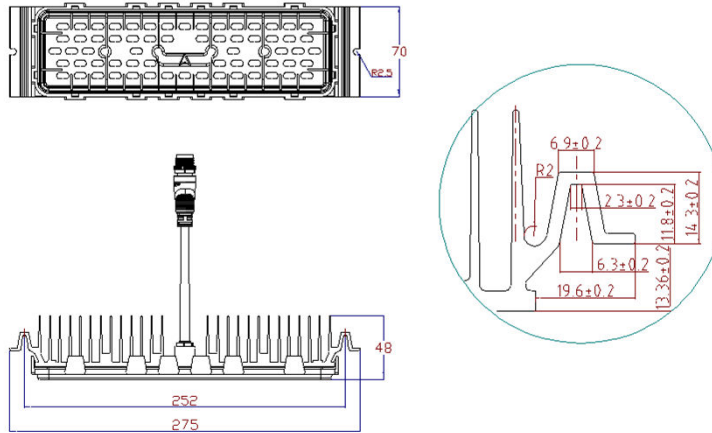
- Street Lighting
- Tunnel Lighting
- Flood Lighting
- High/Low bay Lighting

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### Dimensions and Weight



Unit: mm  
Tolerance: ±0.2mm

Weight: 670±30g

### Electrical and Photometric Specifications

Model	Power @Power Efficiency=90%	Drive Current	Luminous Efficacy (lm/w)	Lumens (lm)	DC Input Voltage	Beam Type	Lighting Source	CRI	CCT
M8B	40W	700mA	115±5	4600±200	48-61V	Type II, Type III Tunnel Light, 25°, 40°, 60°, 110°	Lumileds Luxeon 3030 (63pcs)	≥70	3000K 4000K 5000K 5700K
	50W	860mA	110±5	5500±250					
	60W	1050mA	105±5	6300±300					

Note:

1. Forward Current is measured with an accuracy of 5%.
2. Lumens are measured with an accuracy of 5%.
3. Above are all typical values.

### Environmental Specifications

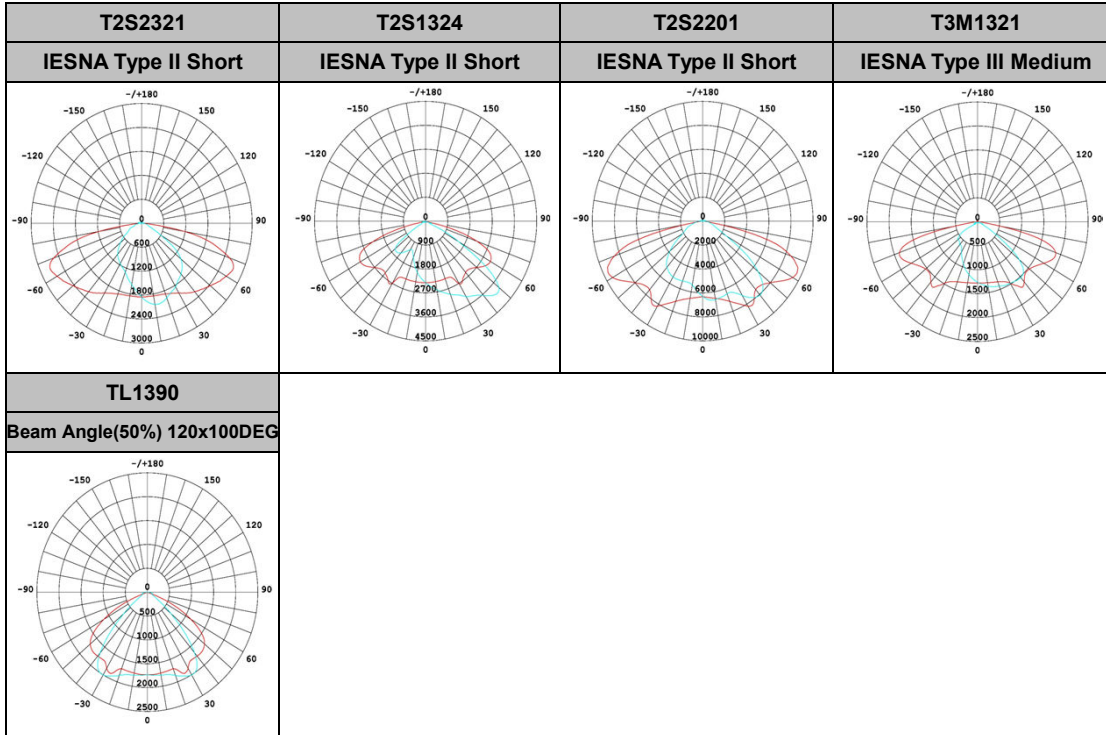
Parameter	Symbol	Rating	Unit
Ts Typical	T <sub>s</sub>	70	°C
Operating Temperature	T <sub>opr</sub>	-40~+50	°C
Storage Temperature	T <sub>stg</sub>	-40~+50	°C
Relative Humidity	RH	10~90	%

Note: Based on 25°C ambient temperature.

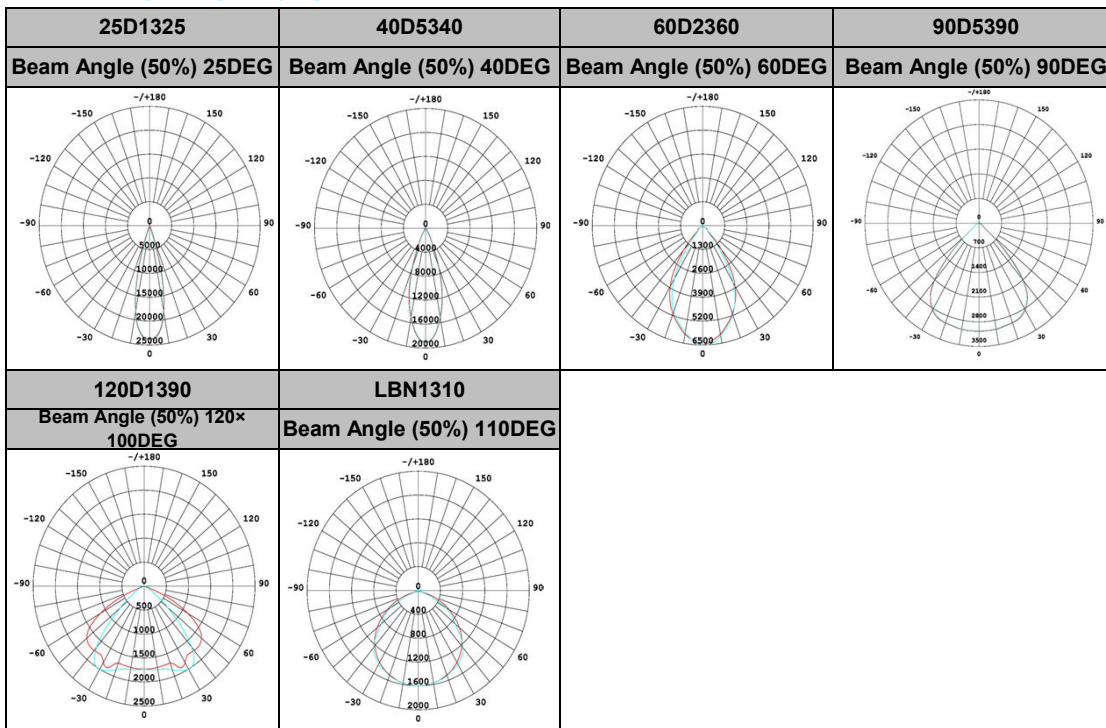
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## Lighting Distribution

For street/ tunnel light applications



For flood light/ high bay light applications



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## Drivers Recommendation

Driver Description	Invevtronics Driver		MeanWell Driver	Philips Driver <sup>[1]</sup>	MOSO Driver <sup>[2]</sup>
Driver for 1 module 40W @700mA	EUC-052S070SV EUC-052S070DV	-	HLG-40H-54B CE (HP1)	929000846908 (N)	LDC-042S061 (D) LDC-042B062W (N)
Driver for 2 modules 80W @700mA	EUC-085S070SV EUC-096S070DV	EBD-100S105DV	HLG-80H-C700B CE(HP1)	929001400780 (N) 929001401980 (D)	LDP-105M150 (D) LDP-105R150 (P)
Driver for 3 modules 120W @700mA	EUC-120T070SV EUC-120T070DV	EBD-150S105DV	HLG-120H-C700B CE(HP1)	929001400180 (N) 92900140138 (D)	LDP-150M214 (D) LDP-150R214 (P)
Driver for 4 modules 160W @700mA	EUC-160Q070SV EUC-160Q070DV	EBD-200S105DV	HLG-185H-C700B CE(HP1)	929000838408 (D)	LDP-200M305 (D) LDP-200R305 (P)
Driver for 5 modules 200W @700mA	EUC-200P070SV EUC-200P070DV	EBD-200S105DV	-	929000838408 (D)	LDP-200M305 (D) LDP-200R305 (P)
Driver for 6 modules 240W @700mA	-	EBD-200S105DV	-	-	LDP-240M368 (D) LDP-240R368 (P)
Driver for 7 modules 280W @700mA	-	-	-	-	LDP-320M457 (D) LDP-320R457 (P)
Driver for 1 module 50W @860mA	EUC-052S086SV EUC- 075S105DV(920mA)	EBD-075S105DV	HLG-60H-54B CE(HP1)	-	LDP-075M062 (D) LDC-075R062 (P)
Driver for 2 modules 100W @860mA	EUC-100S086SV EUC- 120S105DV(900mA)	EBD-100S105DV	HLG-120H-C1050B CE(HP3)	929001403780 (N)	LDP-105M150 (D) LDP-105R150 (P)
Driver for 3 modules 150W @860mA	EUC-150S086SV EUC-150S086DV	EBD-150S105DV	HLG-185H-C1050B CE(HP3)	929001403680 (N)	LDP-150M214 (D) LDP-150R214 (P)
Driver for 4 modules 200W @860mA	EUC-220S086SV EUC- 220S100DV(920mA)	EBD-200S105DV	HLG-185H-C700B CE(HP3)	-	LDP-200M305 (D) LDP-200R305 (P)
Driver for 5 modules 250W @860mA	-	EBD-255S105DV	-	-	LDP-320M457 (D) LDP-320R457 (P)
Driver for 1 module 60W@1050mA	EUC-060S105SV EUC-075S105DV	EBD-075S105DV	HLG-60H-54B CE(HP2)	-	LDP-075M062H (D) LDC-075R062 (P)
Driver for 2 modules 120W@1050mA	EUC-120S105SV EUC-120S105DV	EBD-150S105DV	HLG-120H-C1050B CE(HP1)	929001400380 (N) 929001401580 (D)	LDP-150M214 (D) LDP-150R214 (P)
Driver for 3 modules 180W@1050mA	EUC-200S105SV EUC-200S105DV	EBD-200S105DV	HLG-185H-C1050B CE(HP1)	-	LDP-200M305 (D) LDP-200R305 (P)
Driver for 4 modules 240W@1050mA	-	EBD-255S105DV	-	-	LDP-240M368 (D) LDP-240R368 (P)
Driver for 5 modules 300W@1050mA	EUC-320S105SV	-	-	-	LDP-320M457 (D) LDP-320R457 (P)




[1] **N** = Non-dimmable, **D** = Dimmable

[2] **D** = Dimmable and Programmable, **N** = Non-dimmable and Non-programmable, **P** = Non-dimmable but Programmable

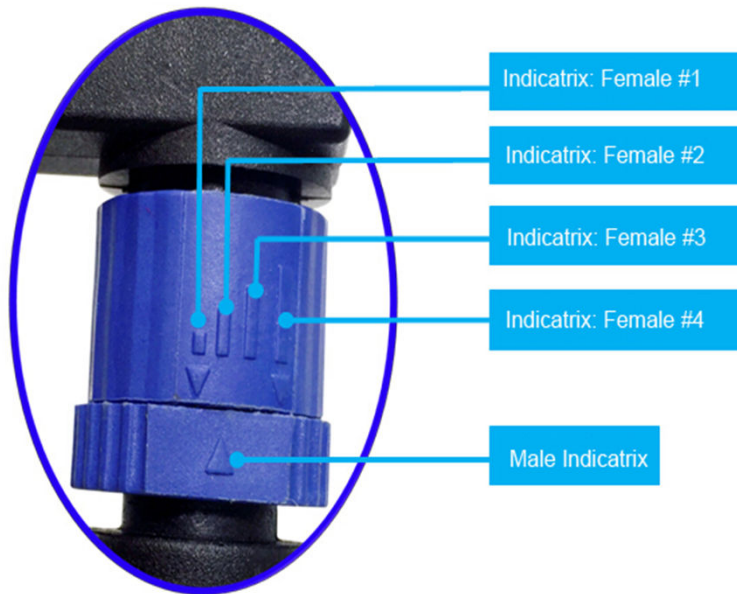
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## Waterproof Connectors Recommendation

Picture	Description
	IP68 connector for 2 modules both in parallel and in series
	IP68 connector for 3 modules both in parallel and in series
	IP68 connector for 4 modules both in parallel and in series

## Connectors Operation Guide

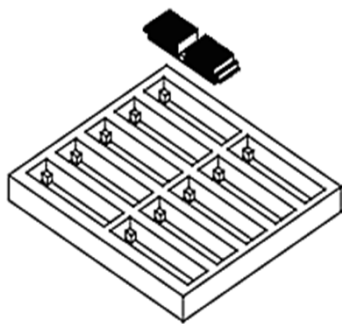


### Operation Guide:

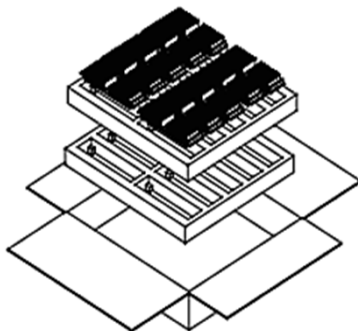
Spin the male terminal clockwise. When the male indicatrix points between indicatrix female #2 and #3, and the gap between male and female terminals is extremely small, the connectors are well connected; otherwise, there will be risks in its waterproof performance.

When the gap between male and female terminals is extremely small, if any looseness can be sensed, please spin the male terminal clockwise until tight.

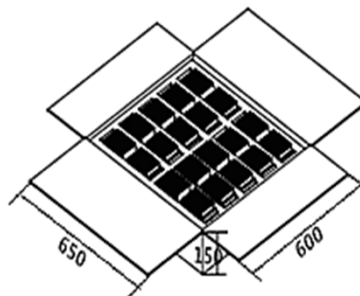
## Package Information



10 pcs/tray



2 trays/ carton



20 pcs/carton

### Notes:

1. Packing dimensions: 650\*600\*150mm, 20pcs/carton.
2. Total weight for the packing: 17.5kg (weight of the empty packing 2.8kg)