



simon BERLIN **ISTANIUM** LED





Classic LED luminaire
Cast aluminium with a
highly defined crown

Installation recommended at heights from 3 to 6 m.

 **Simon BERLIN Istanium® LED configurator**

MODEL	
 <p>MPC</p>	<p>M size, 3/4"G post-top fixing, conical cover with crown</p>


DIFFUSER	CABLING	INPUT/PROTECTION VOLTAGE	OPTICS	COLOUR TEMP.	LEDs/POWER	CURRENT	DIMMING
MTB	0 m	230 VAC CI 	RW	NDL	24 LEDs (2 mod.)	350 mA	2N-
Met. Trans. Curved 4 sides	No cable	Mains electricity	Road Wide Light	Neutral Daylight	350 mA 25 W 530 mA 39 W 700 mA 54 W	350 mA	No control line Self-dimming
MOB	5 m	230 VAC CII 	RF	WDL	36 LEDs (3 mod.)	530 mA	2N+
Met. Curved Opal 4 sides	5 m of cable	Mains electricity	Road Frontal Light	Warm Daylight	350 mA 37 W 530 mA 58 W 700 mA 81 W	530 mA	With control line
MEB		12-24 VDC	RE		48 LEDs (4 mod.)	700 mA	1N
Met. Etched, Curved 4 sides		Solar light point	Road Extended Light		350 mA 49 W 530 mA 77 W	700 mA	No dimming
			SRF				CAD
			Symmetrical Road Frontal Light				CAD
							1-10 V
							1-10 Protocol
							DALI
							DALI Protocol

FINISHES			
Simon Lighting colour chart		RAL classic colour chart	
Body	See page 376	Body	See RAL chart

CONFIGURATION LIMITATIONS

12-24 VDC units will accept only 24 LEDs at 350 mA or 530 mA with 1N or 2N- dimming.
 SRF optics only in 24 and 48 LED models.

BASE REFERENCES

SIMON BERLIN ISTANIUM® LED	COLOUR TEMPERATURE	CURRENT	POWER	LEDs/ MODULES	CLASS	DIMMING	CODE
 <p>Simon BERLIN Istanium® LED, MPC model luminaire (M size, post-top fixing, conical cover with crown), curved transparent methacrylate diffuser, with Class I electronic gear. No pre-wiring, 230 VAC/50 Hz power supply, road wide optics. Standard finish in Simon BKCLAS colour.</p>	NDL Neutral Daylight	350 mA	49 W	48 LEDs (4 mod.)	Cl	1N	50-86590
		530 mA	77 W	48 LEDs (4 mod.)	Cl	1N	50-86592
	WDL Warm Daylight	350 mA	49 W	48 LEDs (4 mod.)	Cl	1N	50-86591
		530 mA	77 W	48 LEDs (4 mod.)	Cl	1N	50-86593

RELATED ITEMS

RECOMMENDED ARM

BM13 page 162



RECOMMENDED POLE

CL18 page 117



SIMON BERLIN ISTANIUM® LED TECHNICAL INFORMATION

PHOTOMETRIC DATA*

Optical Group: modular system with Istanium® LED modules

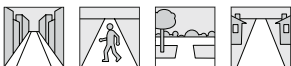
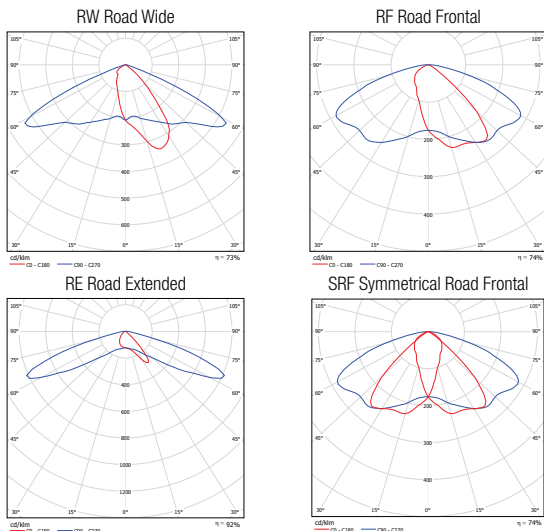
Colour temperature	WDL 3000K NDL 4000K DL 5000K**
Colour Reproduction Index	>70
LED lifetime (L70B10 at 25 °C)	50,000 h
Luminous flux	1700 to 8000 lm
Luminaire efficiency	Up to 100 lm/W
Photometric distribution	RW optics RF optics RE optics SRF optics
Inst. ULOR	☒ E1 – (transparent diffuser)
Istanium® LED modules	2 to 4
LEDs	24 to 48

* Depending on the model

** On request

PHOTOMETRIC DISTRIBUTION

(see details on page 372)



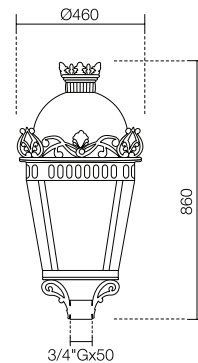
PHYSICAL DIMENSIONS

Post-top fixing	To ¾"G x 50 mm threaded tube
IP rating	IP65 (optical group including tempered glass)
IK code	IK10
Windage area	☐ 0.23 m²
Weight	Min. 14 kg Max. 16 kg

MATERIALS

Body	Die-cast aluminium
Closing system	Using stainless steel screws
Fixing system	Die-cast aluminium
Diffuser	MTB: Curved transparent methacrylate MOB: Curved opal methacrylate MEB: Curved etched methacrylate
Recyclability	

DIMENSIONS



FINISHES

Body	Simon Lighting colours Other RAL colours
-------------	---

ELECTRICAL PARAMETERS*

Power by model	24 LED 2 mod.	36 LED 3 mod.	48 LED 4 mod.
Supply current	350 mA 530 mA 700 mA	25 W 39 W 54 W	37 W 58 W 81 W
Working temperature	-40 °C to +40 °C		
Dimming	2N- No control line 2N+ With control line CAD Cabinet amplitude dimming 1N (100%) No dimming 1 - 10 V** DALI**		
Supply voltage	220-240 Vac	Luminaires with solar light point supply	
Frequency	50 / 60 Hz	Luminaires with mains electricity	
Electronic gear	Class II	Class III	
Surge protection	4 kV	-	
Cos φ	≥ 0.95	-	
Luminaire electrical protection	Class I or Class II	Class III	

* Depending on the model

** On request

CERTIFICATES

Luminaire conforms to: EN-60598-1 and 2-3 / EN-ISO-55015 / EN-61547 / EN 61000-3-2 and 3-3



Warranty

2 years (warranty extension to 5 years for LEDs on request).

Items supplied and packaging

Packed in recyclable cardboard box with identification label to protect the product during transport and storage.

Maintenance

Keep the diffuser surface clean to obtain maximum luminous flux. Use a damp cloth. Do not use aggressive products or detergents. Lubricate water-tight seals and replace when cracked. Lubricate locks and/or hinges of moving parts. Keep the thermal radiation surface clean to avoid loss of luminous flux and shortening of LED life.