

### Traffic Lights / LED Light / LED Traffic Light 890

## LED Perm. Beacon BWM 115-230VAC RD



Part No.: 890.120.68







Length Height 168 mm Diameter 150 mm Materials PC PC/ABS Dome colour Clear Housing colour Grey Protection category IP65 Connection Spring-type terminal cross-sectional area minimum 0,50mm² / 20AWG cross-sectional area maximum 1,50mm² / 16AWG Cable entry Screwed cable gland Cable entry minimum d = 5 mm d = 6 mm  Cable entry maximum Tension relief Present (conforms to VDE) Type of fixing Working temperature minimum -30°C Working temperature maximum 150 mm House Hous	MECHANICAL DATA	
Diameter  Materials  PC PC/ABS  Dome colour  Clear  Housing colour  Protection category  Protection  Connection  Cross-sectional area minimum  Cross-sectional area maximum  Cable entry  Cable entry minimum  Cable entry maximum  Cable entry	Length	154 mm
Materials  PC PC/ABS  Dome colour  Clear  Housing colour  Protection category  Connection  Cross-sectional area minimum  Cable entry  Cable entry maximum  C	Height	168 mm
PC/ABS  Dome colour Clear  Housing colour Grey Protection category IP65  Connection Cross-sectional area minimum Cable entry Cable entry minimum Cable entry maximum Cable entry maximum Cable entry maximum Tension relief Type of fixing Working temperature minimum Working temperature maximum  PClear Grey Protection Grey IP65 Spring-type terminal O,50mm² / 20AWG CabWG CabW	Diameter	150 mm
Housing colour  Protection category  Connection  Cross-sectional area minimum  Cable entry  Cable entry minimum  Cable entry maximum  C	Materials	. •
Protection category Connection Spring-type terminal cross-sectional area minimum 0,50mm² / 20AWG cross-sectional area maximum 1,50mm² / 16AWG Cable entry Screwed cable gland Cable entry minimum d = 5 mm d = 6 mm  Cable entry maximum d = 12 mm d = 7 mm  Tension relief Present (conforms to VDE)  Type of fixing Base mounting Wall mounting Working temperature minimum -30°C Working temperature maximum +50°C Weight with packaging 548 g	Dome colour	Clear
Connection  cross-sectional area minimum  cross-sectional area maximum  Cable entry  Cable entry minimum  Cable entry maximum  d = 5 mm d = 6 mm  Cable entry maximum  d = 12 mm d = 7 mm  Tension relief  Present (conforms to VDE)  Type of fixing  Base mounting Wall mounting  Working temperature minimum  -30°C  Working temperature maximum  +50°C  Weight with packaging  Screwed cable gland  Cable entry maximum  d = 5 mm d = 6 mm  Cable entry maximum  d = 12 mm d = 7 mm  Tension relief  Present (conforms to VDE)  Type of fixing  Sase mounting Wall mounting  Working temperature maximum  +50°C	Housing colour	Grey
cross-sectional area minimum  cross-sectional area maximum  1,50mm² / 16AWG  Cable entry  Screwed cable gland  Cable entry minimum  d = 5 mm d = 6 mm  Cable entry maximum  d = 12 mm d = 7 mm  Tension relief  Present (conforms to VDE)  Type of fixing  Base mounting Wall mounting  Working temperature minimum  -30°C  Working temperature maximum  +50°C  Weight with packaging  548 g	Protection category	IP65
cross-sectional area maximum  Cable entry  Cable entry minimum  Cable entry minimum  Cable entry maximum  Cable entry maximum  Cable entry maximum  d = 12 mm d = 7 mm  Tension relief  Present (conforms to VDE)  Type of fixing  Base mounting Wall mounting  Working temperature minimum  -30°C  Working temperature maximum  +50°C  Weight with packaging  548 g	Connection	Spring-type terminal
Cable entry Cable entry minimum  d = 5 mm d = 6 mm  Cable entry maximum  d = 12 mm d = 7 mm  Tension relief  Present (conforms to VDE)  Type of fixing  Base mounting Wall mounting Working temperature minimum  -30°C  Working temperature maximum  +50°C  Weight with packaging  Screwed cable gland  Screwed cable gland  4 = 5 mm d = 7 mm  7 = 7 mm  Fresent (conforms to VDE)  8 = 8 mounting Fresent (conforms to VDE)	cross-sectional area minimum	0,50mm <sup>2</sup> / 20AWG
Cable entry minimum  d = 5 mm d = 6 mm  Cable entry maximum  d = 12 mm d = 7 mm  Tension relief  Present (conforms to VDE)  Type of fixing  Base mounting Wall mounting Wall mounting  Working temperature minimum  -30°C  Working temperature maximum  +50°C  Weight with packaging  548 g	cross-sectional area maximum	1,50mm² / 16AWG
d = 6 mm  Cable entry maximum  d = 12 mm d = 7 mm  Tension relief  Present (conforms to VDE)  Type of fixing  Base mounting Wall mounting  Working temperature minimum  -30°C  Working temperature maximum  +50°C  Weight with packaging  548 g	Cable entry	Screwed cable gland
d = 7 mm  Tension relief Present (conforms to VDE)  Type of fixing Base mounting Wall mounting  Working temperature minimum -30°C  Working temperature maximum +50°C  Weight with packaging 548 g	Cable entry minimum	G
Type of fixing  Base mounting Wall mounting  Working temperature minimum  -30°C  Working temperature maximum  +50°C  Weight with packaging  548 g	Cable entry maximum	* == ······
Wall mounting  Working temperature minimum -30°C  Working temperature maximum +50°C  Weight with packaging 548 g	Tension relief	Present (conforms to VDE)
Working temperature maximum +50°C Weight with packaging 548 g	Type of fixing	
Weight with packaging 548 g	Working temperature minimum	-30°C
	Working temperature maximum	+50°C
Product weight 476 g	Weight with packaging	548 g
	Product weight	476 g

ELECTRICAL DATA	
Operating voltage	115-230V
Operating voltage type	AC
Operating voltage frequency	50Hz at 230V 60Hz at 115V
Operating voltage tolerance	+/- 10%
Rated operational voltage	230 VAC
Rated operational current	35 mA
Rated inrush current	300 mA
Protection class	Protection class 2
Pollution degree	3
Overvoltage category	II
Isolation voltage	Ui = 250V; Uimp = 2.500V

OPTICAL DATA	
Light source	LED

For additional installation and mounting information, refer to the appropriate user guide at www.werma.com. This printed copy is for information only and is subject to alteration.



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Light colour	Red
Optical signal image	Permanent
Service life optical	50,000 h maximum

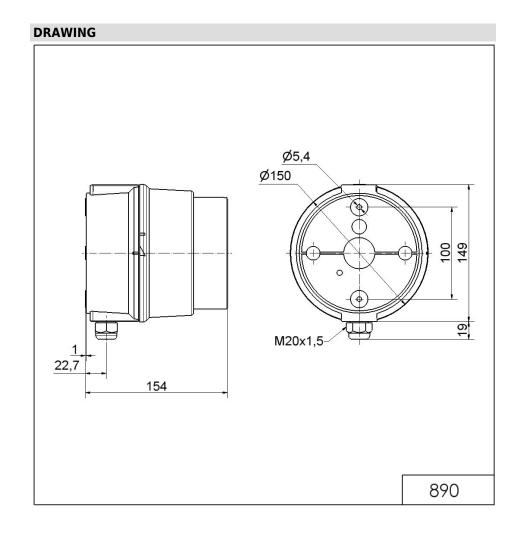
APPROVAL DATA	
Conforms with CE	Yes
Conforms with RoHS directive	Yes
WEEE	Yes
Conforms with ATEX-directive	No
Conforms with CCC	Yes
Conforms with UL	No
Conforms with FCC	No
Conforms with IC	No
EAC certificate available	Yes
Conforms with UKCA (Importer)	Yes (WERMA (UK) Ltd.)
Conforms with AS-I	No
ICAO Certification	No
Conforms with DNV	No
Conforms with RoHS CN	No
Conforms with VdS	No

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