



ROX

Area Luminaire

DESIGNED FOR ELECTRICIANS





Knob

Support rack

*OPTIONAL PE CELL ACCESSORY

Easy Install

Featuring a spigot mount adapter for multiple installations options in one.


IK10
RATING


EASY
INSTALL

IP65
WEATHER
PROTECTED


DIMMABLE
MODES


50,000*
HOURS

ROX Area Luminaire range

50W - 200W

AVAILABLE TO ORDER

Product information

With high output and low energy costs M-Elec introduces ROX 50-200W area luminaires. Featuring a spigot mount adapter for multiple installations in one and allowing for an easy access for termination and future maintenance. With adjustable dimmable driver the ROX is perfect for remote locations and industrial parks.

*OPTIONAL PE CELL ACCESSORY SOLD SEPARATELY



OUR 50W-200W Available in 3000K, 4000K, 5000K, 5700K



ROX-50 - 100W



ROX-150 - 200W

TECHNICAL INFORMATION

	ML-ROX-50-3K-PE-BK ML-ROX-50-4K-PE-BK ML-ROX-50-5K-PE-BK ML-ROX-50-6K-PE-BK	ML-ROX-100-3K-PE-BK ML-ROX-100-4K-PE-BK ML-ROX-100-5K-PE-BK ML-ROX-100-6K-PE-BK	ML-ROX-150-3K-PE-BK ML-ROX-150-4K-PE-BK ML-ROX-150-5K-PE-BK ML-ROX-150-6K-PE-BK	ML-ROX-200-3K-PE-BK ML-ROX-200-4K-PE-BK ML-ROX-200-5K-PE-BK ML-ROX-200-6K-PE-BK
Total Power:	50W	100W	150W	200W
Lumen Output:	up to 6696lm	up to 12481lm	up to 19803lm	up to 24299lm
Colour Temp:	3000K/4000K/5000K/5700K			
IP Rating:	IP65			
Efficacy:	up to 134lm/w	up to up to 124lm/w	up to 129lm/w	up to 126lm/w
CRI:	>70			
Input/ Inrush Current :	0.2A/20A	0.43/60A	0.65/60A	0.85A/60A
Frequency	50/60 Hz			
Beam Angle:	TYPE III(80x140°)			
Temp Range:	- 40°C~ + 40°C			
Dimmable:	Yes, 0/1-10V			
Power Supply:	Towin Dimming built - in driver			
Average Life:	50,000 hrs**			
Power Factor :	>0.9			
IK Rating	IK10			
Dimensions:	(L)606 x (W) 235 x (H) 158mm		686x309x164	
Weight:	4kg	4.1kg	5.9kg	6.1kg
Warranty:	7 Years			
Kit Includes	1 x ROX , 1 x Adjustable spigot bracket , 1 x user manual , 2 x 3 pole ML - LOX connectors , 1 x 5 pole ML - LOX connectors			

*Total power consumed including driver

** Average life is calculated on expected average lifespan

ROX



50W Area Luminaire

AVAILABLE TO ORDER

ML-ROX-50-3K-PE-BK
ML-ROX-50-4K-PE-BK
ML-ROX-50-5K-PE-BK
ML-ROX-50-6K-PE-BK



TECHNICAL INFORMATION

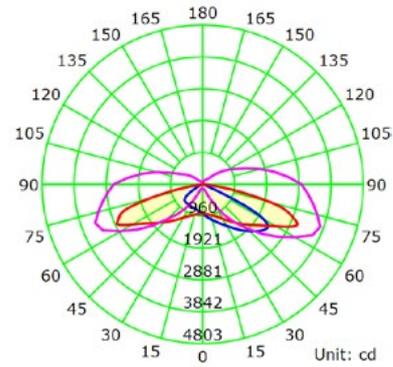
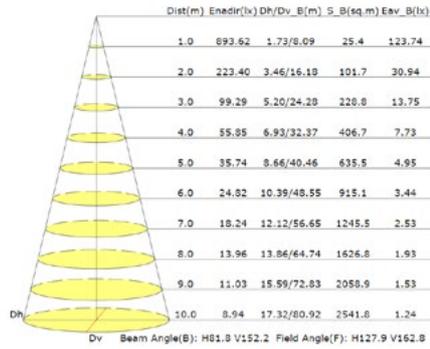
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Total Power Consumed	50W*			
Inrush Current	20A			
Operating Current	0.2A (@ 230V)			
Efficacy	129lm/W	130lm/W	131lm/W	134lm/W
Lumen Output	6478lm	6525lm	6555lm	6696 lm
Colour Temperature	3000K	4000K	5000K	5700K
Dimmable	YES - 0/1 - 10V			
Power Factor	>0.9			
Impact Rating	IK10			
Temperature Range	-40°C~ +40°C			
IP Rating	IP65			
CRI	>70			
Beam Angle	TYPE III(80x140°)			
Average Life	50000 hours**			
Power Supply	Towin Dimming built - in driver			
Product dimensions	L: 606mm x W: 235mm x H: 158mm			
Weight :	4kg			
Warranty	7 Years			
Kit Includes	1 x ROX , 1 x Adjustable spigot bracket , 1 x user manual , 2 x 3 pole ML - LOX connectors , 1 x 5 pole ML - LOX connectors			

*Total power consumed including driver

** Average life is calculated on expected average lifespan

50W Area Luminaire

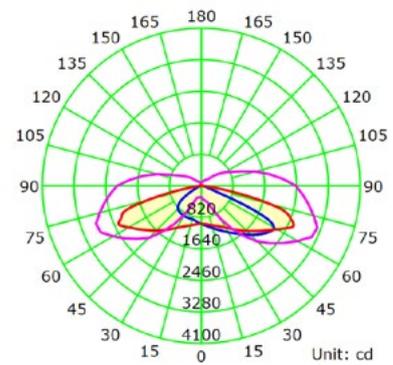
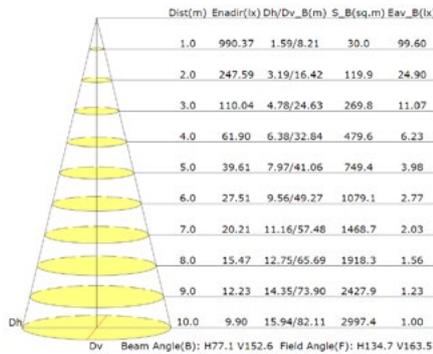
3K



Average Diffuse Angle(50%): 117.0°

— C0-C180 — C90-C270 — G69

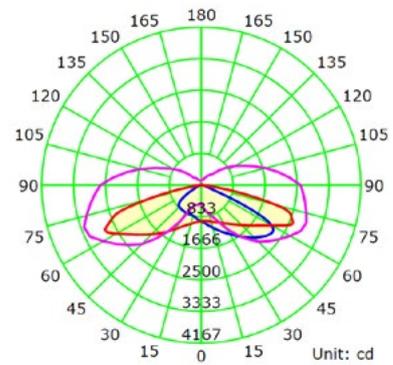
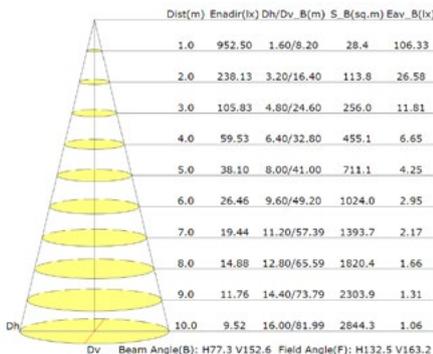
4K



Average Diffuse Angle(50%): 114.9°

— C0-C180 — C90-C270 — G70

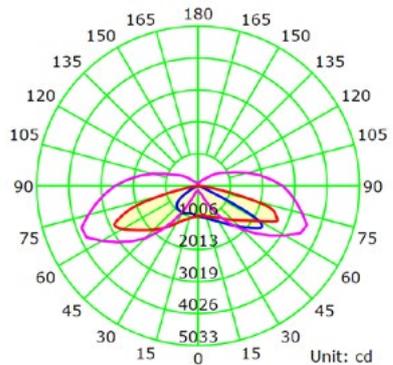
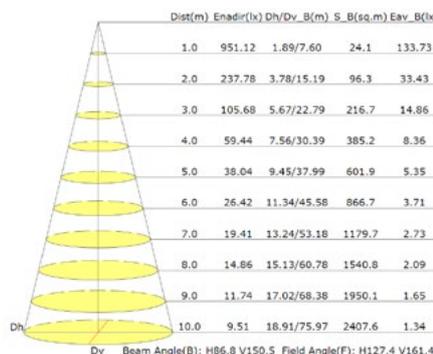
5K



Average Diffuse Angle(50%): 115.0°

— C0-C180 — C90-C270 — G67

6K



Average Diffuse Angle(50%): 118.6°

— C0-C180 — C90-C270 — G68

ROX



100W Area Luminaire

AVAILABLE TO ORDER

ML-ROX-100-3K-PE-BK
ML-ROX-100-4K-PE-BK
ML-ROX-100-5K-PE-BK
ML-ROX-100-6K-PE-BK



TECHNICAL INFORMATION

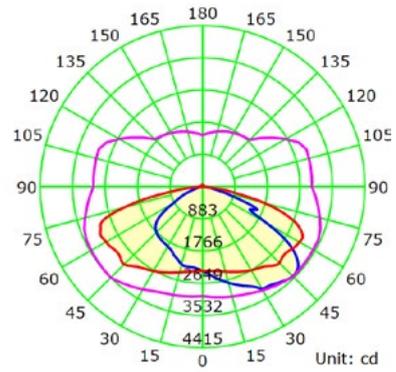
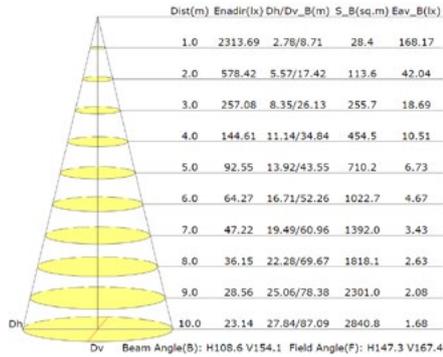
	ML-ROX-100-3K-PE-BK	ML-ROX-100-4K-PE-BK	ML-ROX-100-5K-PE-BK	ML-ROX-100-6K-PE-BK
Total Power Consumed	100W*			
Inrush Current	60A			
Operating Current	0.43A (@ 230V)			
Efficacy	119lm/W	121lm/W	123lm/W	124lm/W
Lumen Output	11927 lm	11951 lm	12308lm	12481lm
Colour Temperature	3000K	4000K	5000K	5700K
Dimmable	YES - 0/1 - 10V			
Power Factor	>0.9			
Impact Rating	IK10			
Temperature Range	-40°C~ + 40°C			
IP Rating	IP65			
CRI	>70			
Beam Angle	TYPE III(80x140°)			
Average Life	50000 hours**			
Power Supply	Towin Dimming built - in driver			
Product dimensions	L: 606mm x W: 235mm x H: 158mm			
Weight :	4.1kg			
Warranty	7 Years			
Kit Includes	1 x ROX , 1 x Adjustable spigot bracket , 1 x user manual , 2 x 3 pole ML - LOX connectors , 1 x 5 pole ML - LOX connectors			

*Total power consumed including driver

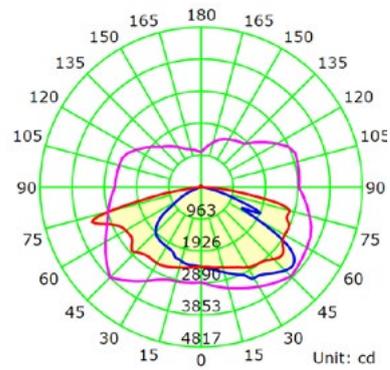
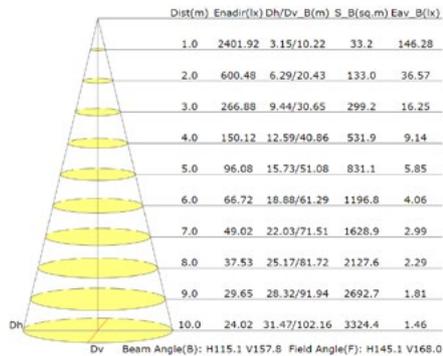
** Average life is calculated on expected average lifespan

100W Area Luminaire

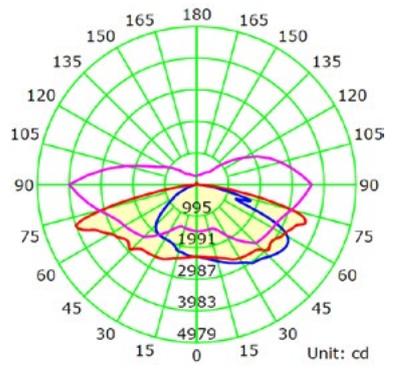
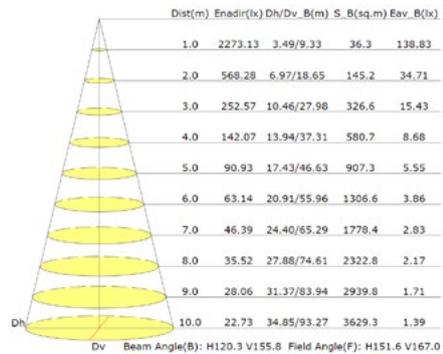
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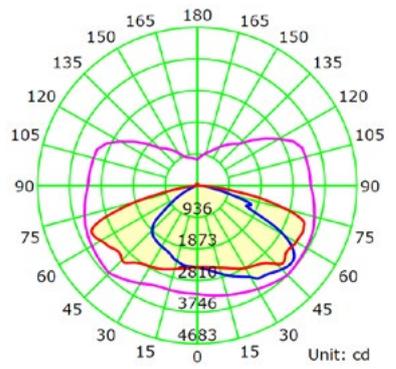
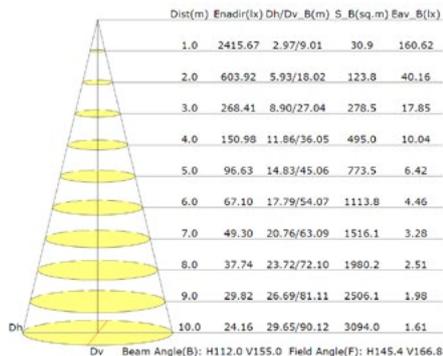
4K



5K



6K



ROX

150W Area Luminaire

AVAILABLE TO ORDER

ML-ROX-150-3K-PE-BK
ML-ROX-150-4K-PE-BK
ML-ROX-150-5K-PE-BK
ML-ROX-150-6K-PE-BK

7 year warranty



TECHNICAL INFORMATION

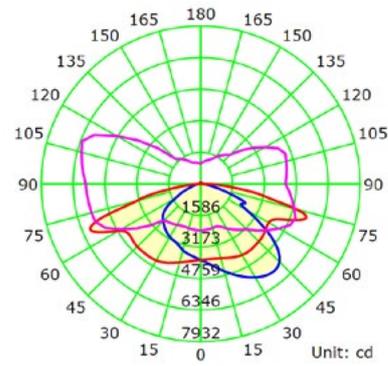
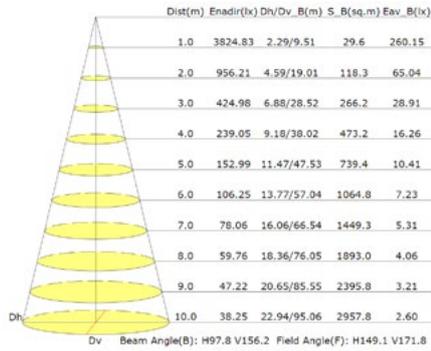
	ML-ROX-150-3K-PE-BK	ML-ROX-150-4K-PE-BK	ML-ROX-150-5K-PE-BK	ML-ROX-150-6K-PE-BK
Total Power Consumed	150W*			
Inrush Current	60A			
Operating Current	0.65A (@ 230V)			
Efficacy	123lm/W	129lm/W	126lm/W	129lm/W
Lumen Output	18769lm	19419lm	19605lm	19803lm
Colour Temperature	3000K	4000K	5000K	5700K
Dimmable	YES - 0/1 - 10V			
Power Factor	>0.9			
Impact Rating	IK10			
Temperature Range	-40°C~ +40°C			
IP Rating	IP65			
CRI	>70			
Beam Angle	TYPE III(80x140°)			
Average Life	50000 hours**			
Power Supply	Towin Dimming built - in driver			
Product dimensions	L: 686 x W: 309 x H:164mm			
Weight :	5.9kg			
Warranty	7 Years			
Kit Includes	1 x ROX , 1 x Adjustable spigot bracket , 1 x user manual , 2 x 3 pole ML - LOX connectors , 1 x 5 pole ML - LOX connectors			

*Total power consumed including driver

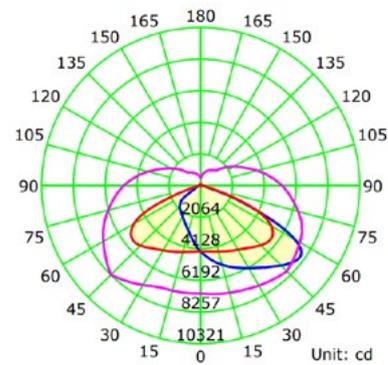
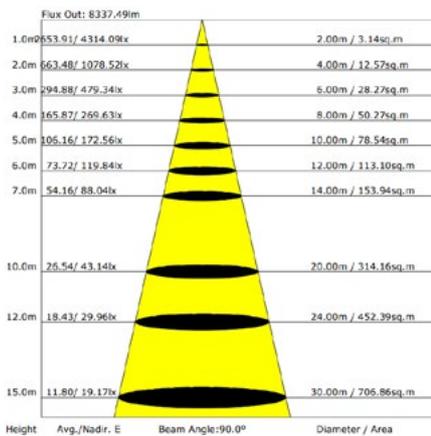
** Average life is calculated on expected average lifespan

150W Area Luminaire

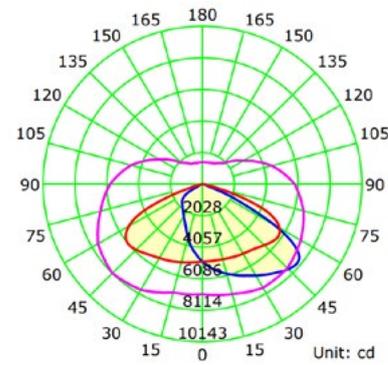
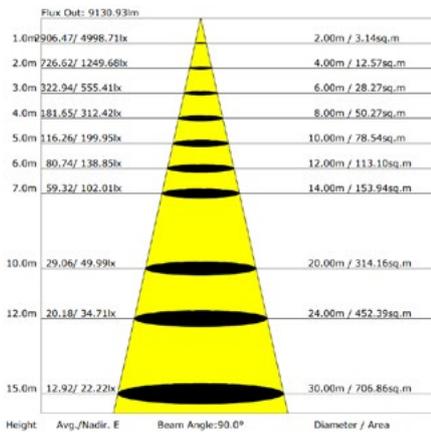
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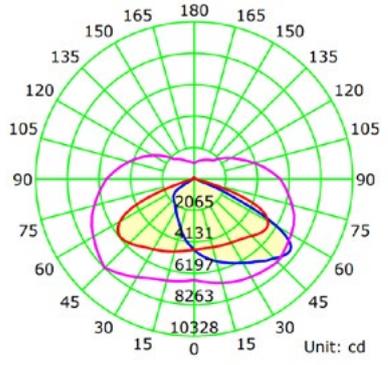
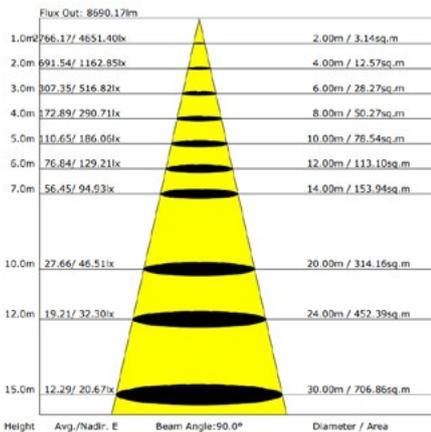
4K



5K



6K



ROX

200W Area Luminaire

AVAILABLE TO ORDER

ML-ROX-200-3K-PE-BK
ML-ROX-200-4K-PE-BK
ML-ROX-200-5K-PE-BK
ML-ROX-200-6K-PE-BK

7 year warranty



TECHNICAL INFORMATION

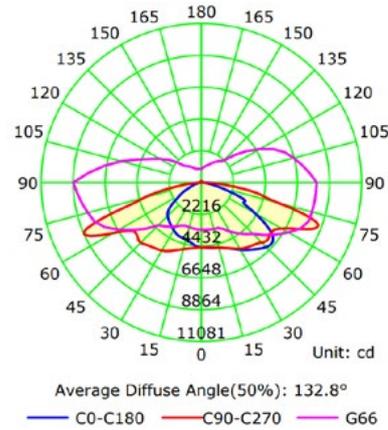
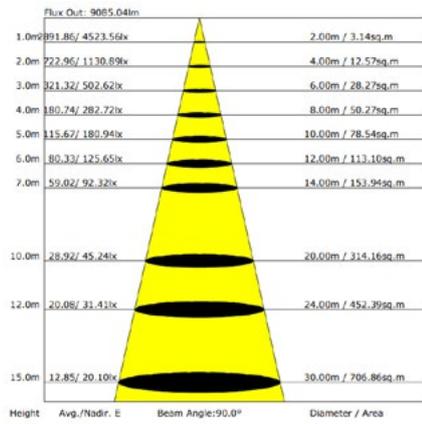
	ML-ROX-200-3K-PE-BK	ML-ROX-200-4K-PE-BK	ML-ROX-200-5K-PE-BK	ML-ROX-200-6K-PE-BK
Total Power Consumed	200W*			
Inrush Current	60A			
Operating Current	0.85A (@230V)			
Efficacy	117lm/W	124lm/W	126lm/W	125lm/W
Lumen Output	23390lm	23395lm	23999lm	24299lm
Colour Temperature	3000K	4000K	5000K	5700K
Dimmable	YES - 0/1 - 10V			
Power Factor	>0.9			
Impact Rating	IK10			
Temperature Range	-40°C~ +40°C			
IP Rating	IP65			
CRI	>70			
Beam Angle	TYPE III(80x140°)			
Average Life	50000 hours**			
Power Supply	Towin Dimming built - in driver			
Product dimensions	L: 686 x W: 309 x H:164mm			
Weight :	6.1kg			
Warranty	7 Years			
Kit Includes	1 x ROX , 1 x Adjustable spigot bracket , 1 x user manual , 2 x 3 pole ML - LOX connectors , 1 x 5 pole ML - LOX connectors			

*Total power consumed including driver

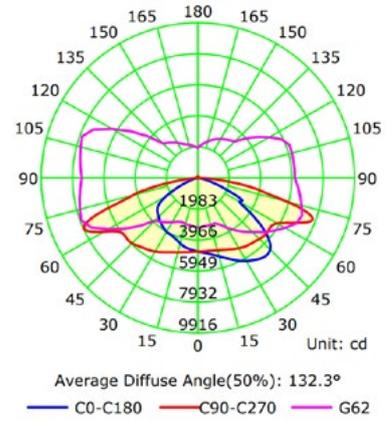
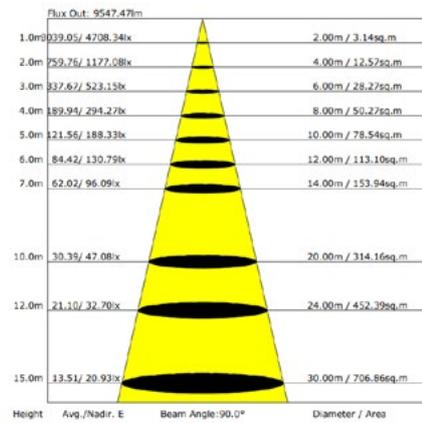
** Average life is calculated on expected average lifespan

200W Area Luminaire

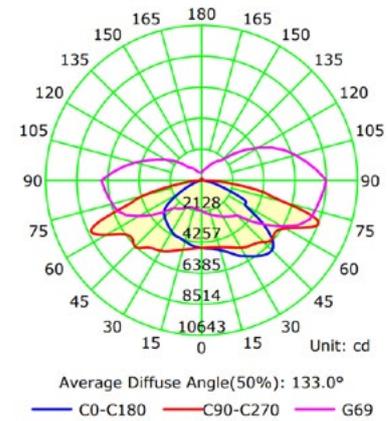
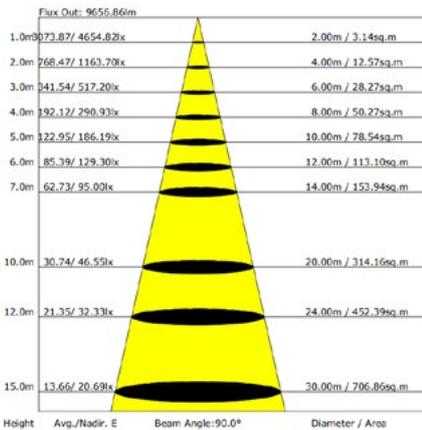
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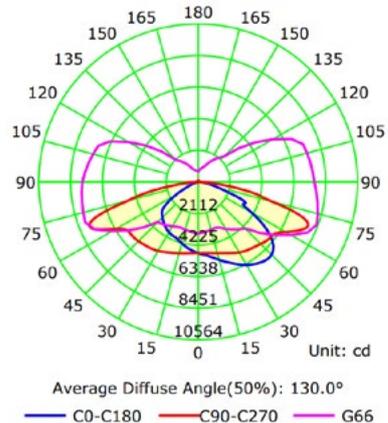
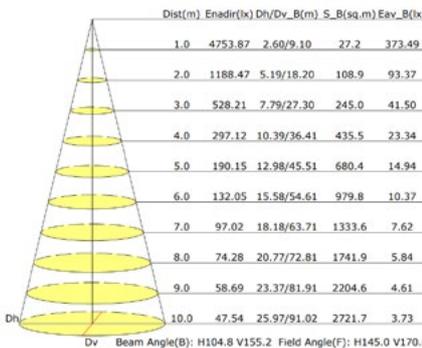
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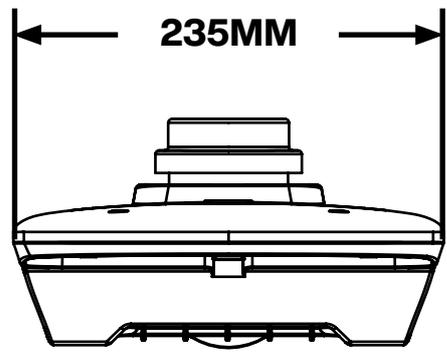
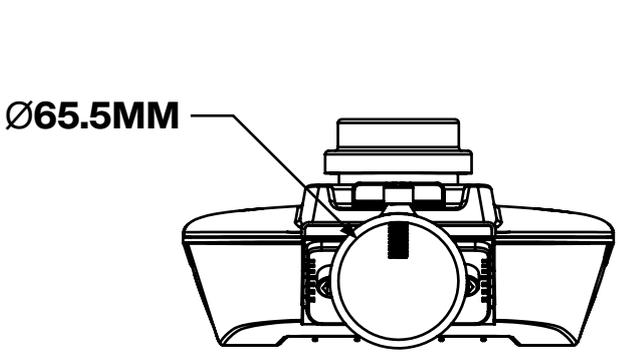
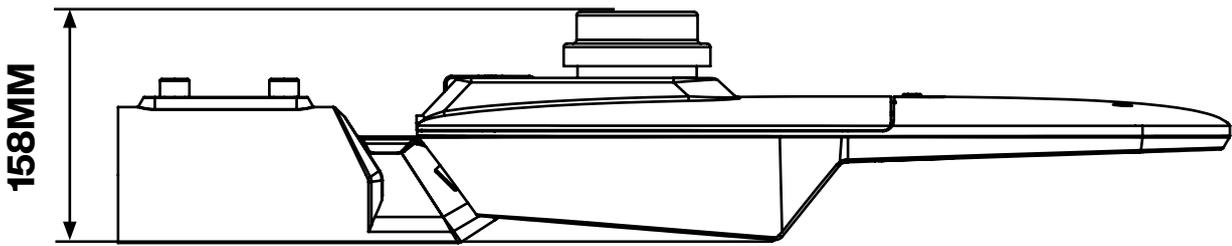
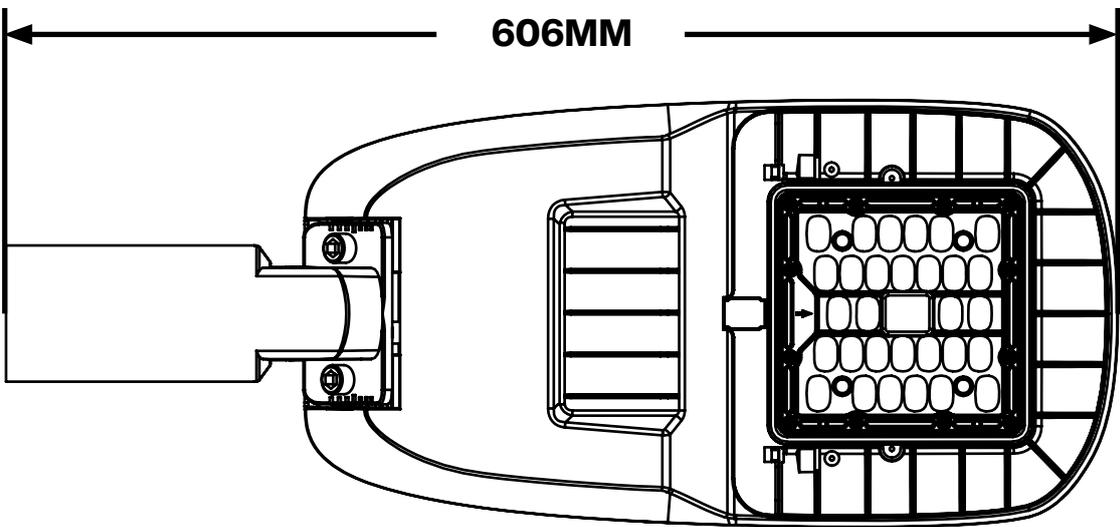
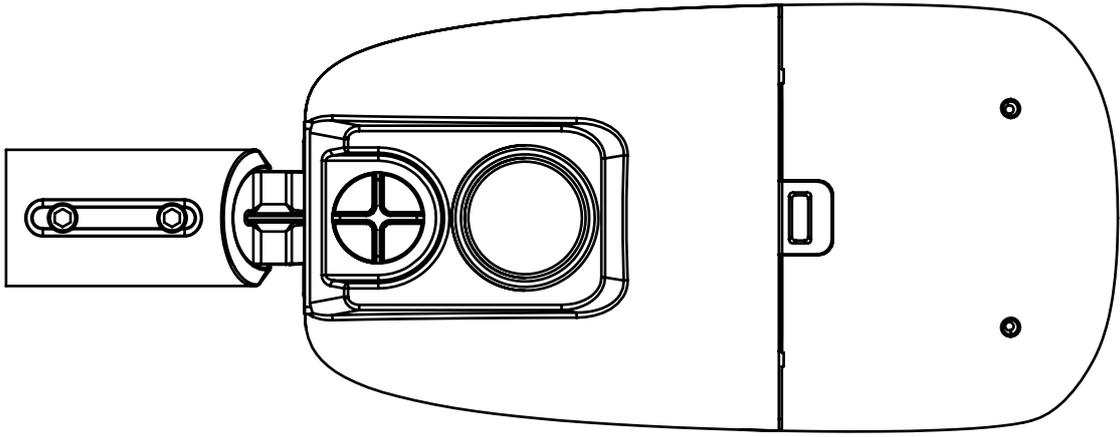
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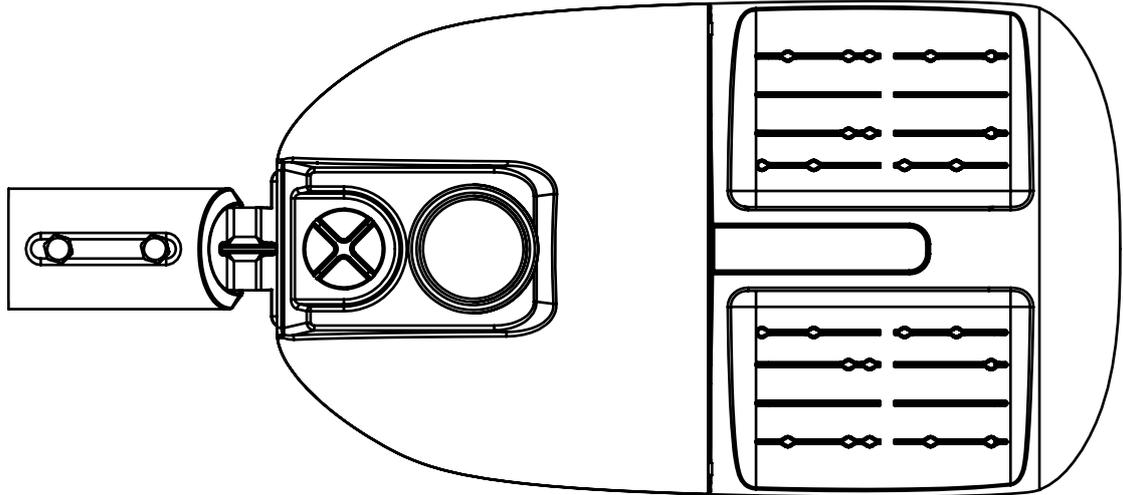
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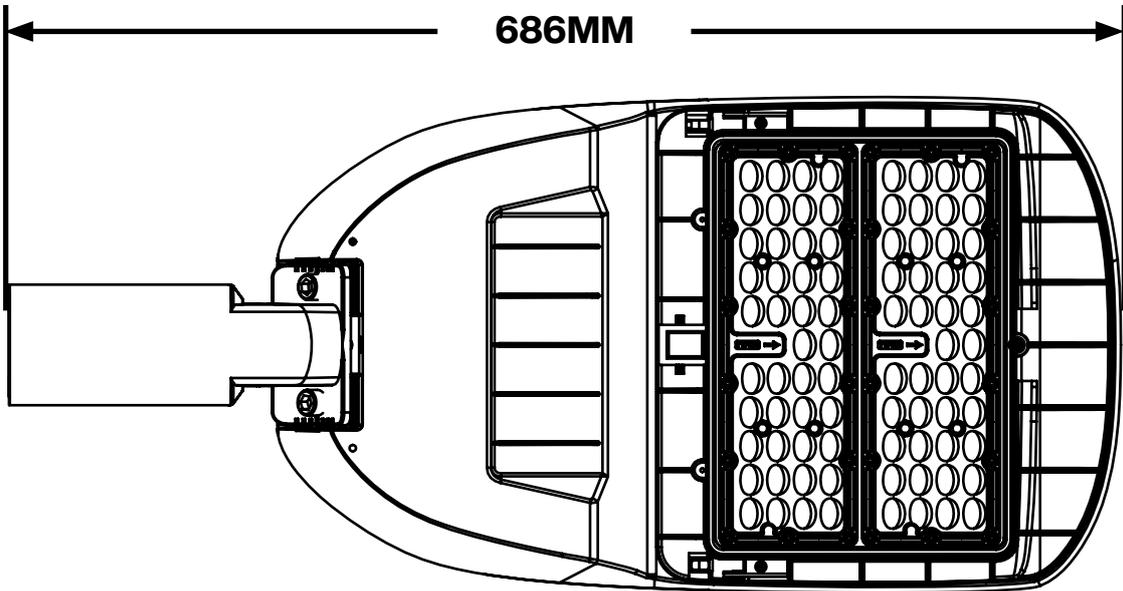
PRODUCT DIMENSIONS: ROX 50 & ROX 100



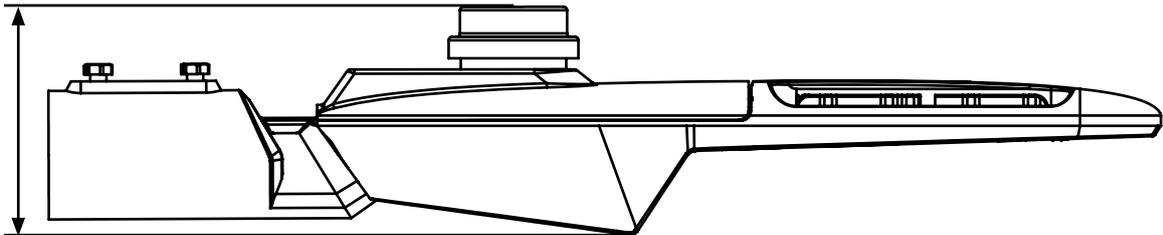
PRODUCT DIMENSIONS: ROX 150 & ROX 200



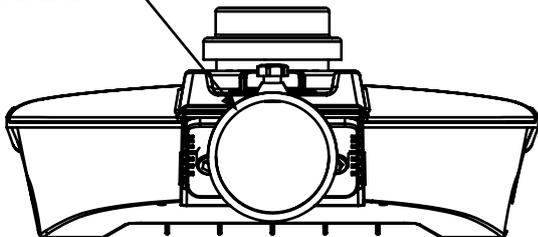
686MM



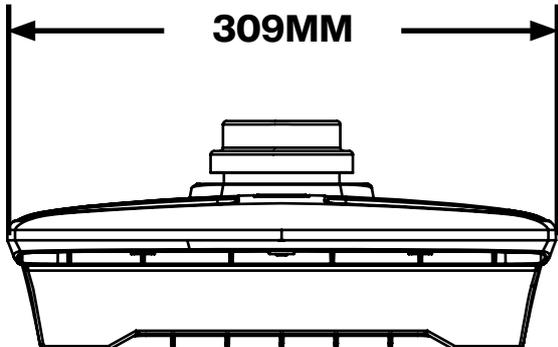
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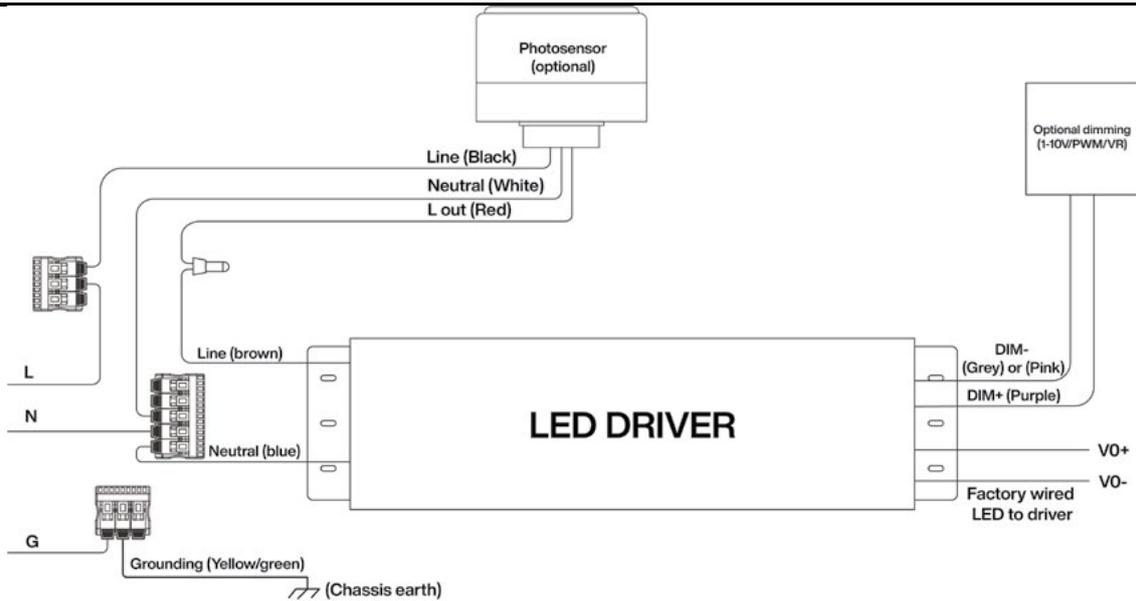
Ø65.5MM



309MM

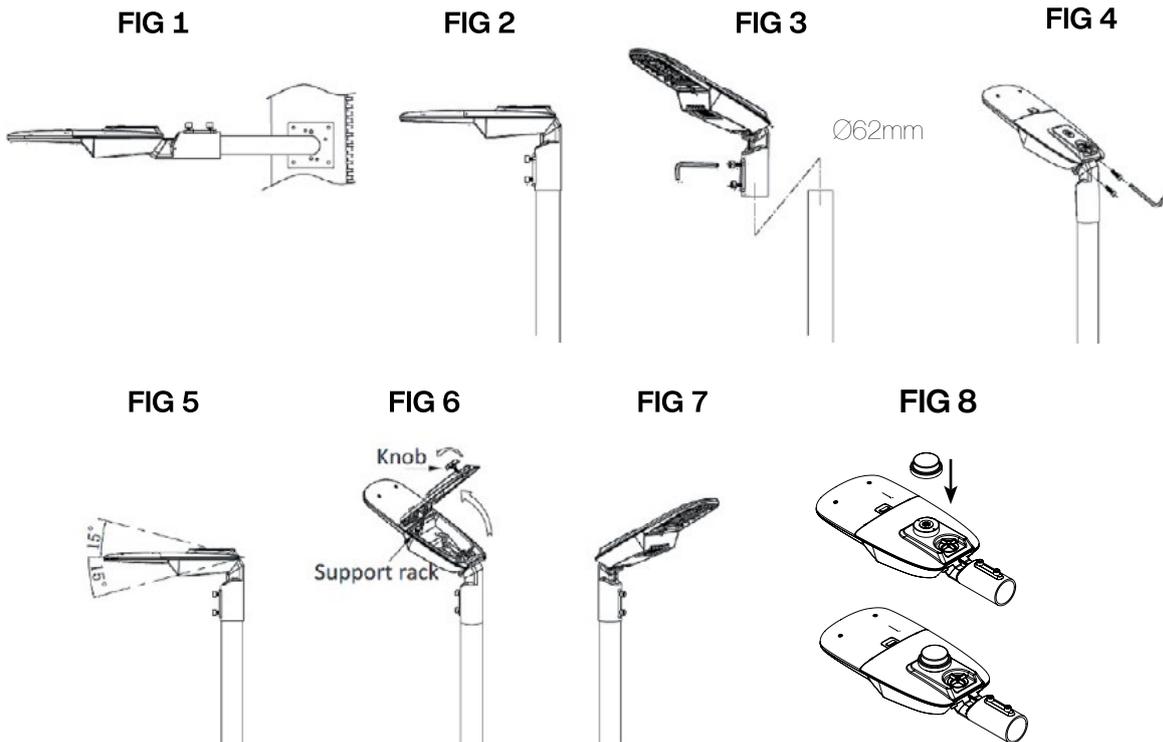


WIRING DIAGRAM



INSTALLATION - MOUNTING

1. Choose your preferred installation method: Horizontal (Fig.1) Vertical (Fig.2).
2. Loosen the two screws which are pre-installed on the mounting bracket to fix fitting. (Fig.3)
3. Install the product on the pole tighten screws and ensure fitting is secure (Fig.4).
4. Adjust the angle of the fitting (maximum adjustment is 15 degrees upward or downward (Fig.5).
5. Open the back cover using the support rack to support the back cover in the open position (Fig.6) Wire the fitting in accordance with Australian Standards and in accordance with the wiring schematic provided.
6. Secure the back cover ensuring all gaskets and seals are in place (Fig.7)
7. Install the shorting cap securely, ensuring that the NEMA port is covered to maintain IP65 rating. (Fig.8)



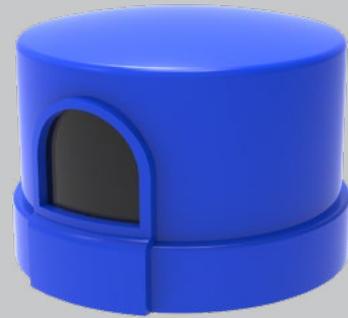
ROX Area luminaire

3 Pin PE Cell

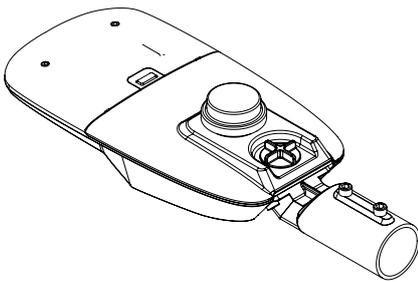
ML-NEMA-PE

Compatible with:

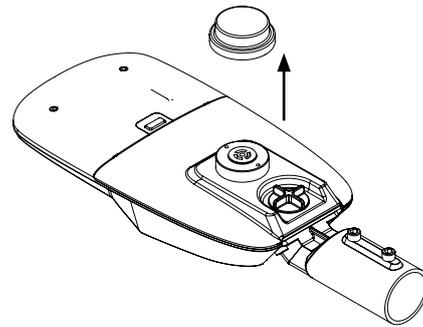
- ML-ROX-50
- ML-ROX-100
- ML-ROX-150
- ML-ROX-200



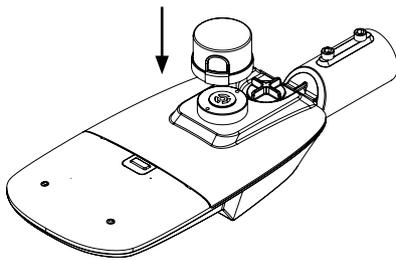
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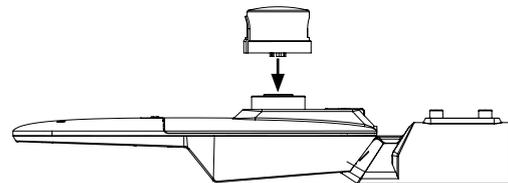
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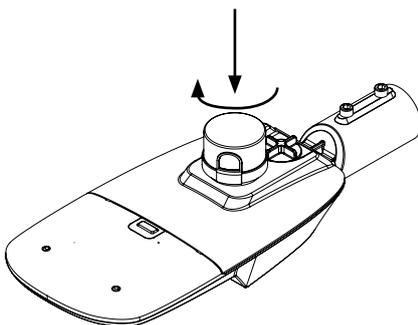
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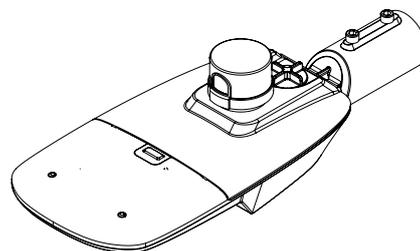
D



E



F



TECHNICAL DATA

MODEL	ML-NEMA-PE
Rated voltage	120-277VAC
Rated frequency	50/60Hz
Relay	15A
Rated loading	1000W Tungsten 1800 VA Ballast 8A@120VAC/5A@208-277V e-Ballast
Power consumption	3W
On/off level	10-20Lx turn on / 30-60Lx turn off
Ambient Temp.	- 20°C~ + 45°C
Relative humidity	96%
Dimensions	Ø84x66mm
Weight approx.	0.1kg
Pollution degree micro.	2
Pollution degree macro.	2
Rated impulse withstand voltage	2500V
Overvoltage category	Category II
Type and/or connection of switch	Single pole
Configuration of switching device	Electronic switch with SD with parallel mechanical switching device
PTI	175V
Glow-wire temperatures	850°C
COOLING CONDITION	Not requiring forced cooling
IP Rating	IP65
Protection Class	Class I

PLEASE NOTE!

MUST BE INSTALLED BY A LICENSED ELECTRICIAN

- Wire according to connection diagram correctly.
- Read instructions carefully before attempting to install the fitting. Retain this guide for future reference
- Disconnect power before installing or servicing
- This fitting is for outdoor use and should not be used in areas with limited ventilation or high ambient temperatures
- Do not extend low voltage cables from the output of power supply
- All components must not be mechanically stressed
- Be careful not to damage or destroy conductive paths on the circuit board
- Follow all relevant electrical and safety standards (including AS3000)
- Correct electrical polarity must be observed as the wrong polarity may destroy the product and is not covered under warranty
- Damage by corrosion will not be honoured as a material defect claim. It is the user's responsibility to provide suitable protection against corrosive agents such as moisture, condensation and other harmful elements

FREE
ONSITE WARRANTY

EXCLUSIVE TO
MEMBERS ONLY



FREE ONSITE WARRANTY FOR 3 YEARS
INCLUDES PARTS & LABOUR

In conjunction with your standard product warranty