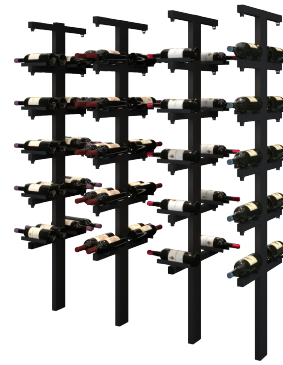


L183

INTERIOR
LED integrated Wine Rack System

● Dry location



Ordering Information

Clear Form

Date :	_____	Quantity :	_____
Project :	_____	Note :	_____
Type :	_____		_____

Specifications

Fixture comprises of 4 components that need to be specified separately: Rail, Mounting, Arms, and LED drivers.

Luminaire | Example Code: RAL183-8-BA // WR-MB183-BA // L183T-W22S-N-FS-BA // L183M-W22S-N-FS-1V-BA // L183B-1V-BA // LED12W350iB

RAIL CONFIGURATION: Single-sided Rail Double-sided Rail **MOUNTING:** Floor-to-Ceiling

COMPONENT 1 – RAIL

Rail	Fixture Length ^{1.1}	Finish
RAL183		
RAL-183	X custom (by foot)	Aluminum Finishes: BA black anodized BZ bronze powder coated

COMPONENT 2 – MOUNTING

Mounting Bracket ^{2.1}
WR-MB183-BA
WR-MB183-BA mounting bracket

COMPONENT 3 – ARMS

Product ^{3.1}	CCT & CRI	Beam Angle	Accessories	Finish	Quantity ^{3.5}	
L182T	_____	_____	_____	_____	_____	
Product ^{3.2}	CCT & CRI	Beam Angle	Accessories	Cross Bar	Finish	Quantity
L182M	_____	_____	_____	_____	_____	_____
Product ^{3.3}				Cross Bar	Finish	Quantity ^{3.5}
L182B	_____	_____	_____	_____	_____	_____

CCT & CRI	W22S 2200K 80+ W27H 2700K 90+ W30H 3000K 90+ W35H 3500K 90+ W41H 4100K 90+
Beam Angle	S spot, 12° N narrow flood, 30° F flood 45° W wide flood, 120°
Accessories	NA no accessory FS full shroud HS half shroud
Cross Bar	1A single neck view 2A double neck view 1B single front view 2B double front view 4B 4 bottle front view ^{3.4} 1V vertical bottle holder
Finish	BA black anodized BZ bronze powder coated

L183

INTERIOR

LED integrated Wine Rack System

- Dry location



COMPONENT 4 – LED DRIVER

Product (1 driver per column)	Quantity
LED12W350iP-0B 12W, ELV dimmable (for 2-8 1W LEDs)	X custom
LED18W350iP-01B 18W, ELV dimmable (for 4-12 1W LEDs)	
LED18W350iZ-01B 18W, 0-10V dimmable (for 1-12 1W LEDs)	
LED30W350iZ-01B 30W, 0-10V dimmable (for 1-14 1W LEDs)	

System Components (Ordered Separately)

Remote Driver : _____

Control System : _____

On/Off | Dimming ELV or 0-10 dimming
Other options (consult factory) TRIAC/MLV, DMX, DALI, Casambi, PoE

Important Notes

Specification

- 1.1 12ft (3.65m) max. recommended length.
- 2.1 Required for Floor-to-Ceiling Mount. Includes top and bottom bracket (sold separately)
- 3.1 Top Arm Module has LED and no cross bars.
- 3.2 Middle Arm Module has LED and cross bars
- 3.3 Bottom Arm Module has cross bars and no LED.
- 3.4 When 4B cross bar length is chosen in any of the top, middle or bottom category, the rest of the cross bars must also be 4B cross bar length accordingly unless stated otherwise. 4B NOT available with Floor-to-Ceiling mount.

3.5 Quantity of top and bottom arms should match quantity of columns for single sided installations, and doubled for double sided installations.

Warranty Notes & Disclaimer

Malfunction and damage to product due to incompatible dimming system or misuse will not be covered under warranty. Consult MP Lighting for recommended drivers. If the fixture has an option to be installed with a dimming control system, consult a dimming system manufacturer with minimum load before installing. MP Lighting reserves the right, at its sole discretion, at any time and without notice, to make design changes to any of our products. Consult MP Lighting website for most updated documentation.

L183

INTERIOR

LED integrated Wine Rack System

- Dry location



Performance

Wattage	Forward Current	Power Consumption Budget per fixture (including driver)	LED output (Source)	Fixture Output (Delivered)
1W	350mA	1.3W	110 lm	47-62 lm

Application

Environment	Dry Location approved. IP 40. Consult factory for higher IP ratings.
Mounting	Floor-to-Ceiling Mount: Can be mounted freely from ceiling to floor – Optional mounting bracket (WR-MB, sold separately). Up to 8ft (2.44m) maximum.

Electrical

Power Supplies	Remote LED drivers (120-277V AC input, constant current output): Fixtures to be wired in series.
Control	On/off control Dimming: ELV or 0-10V dimming with appropriate drivers Other options (consult factory): TRIAC/MLV, DMX, DALI, Casambi, Power over Ethernet

Luminaire Construction

LED Light Source	W22S = CCT: 2200K, CRI (Ra): 80+, Colour Consistency: 3SDCM W27H = CCT: 2700K, CRI (Ra): 90+, Colour Consistency: 2SDCM W30H = CCT: 3000K, CRI (Ra): 90+, Colour Consistency: 2SDCM W35H = CCT: 3500K, CRI (Ra): 90+, Colour Consistency: 2SDCM W41H = CCT: 4100K, CRI (Ra): 90+, Colour Consistency: 3SDCM
Standard Compliance	✓ADA-compliant ✓WELL standard – Feature 58: Color Quality
Weight	N/A
Material	Fixture: Black anodized aluminum
Supplied with	N/A
Warranty & LED Life	5 years limited warranty. Estimated useful life of LED is 50,000 hours.

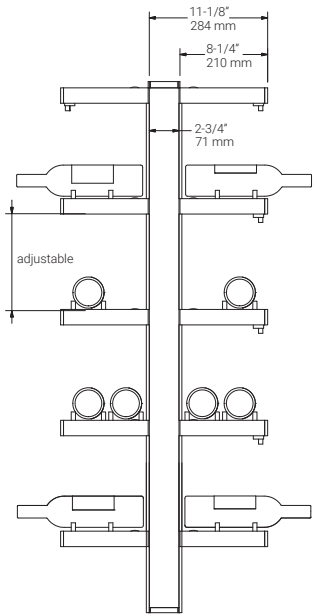
Ordered Separately

System Components	Power supplies: remote driver Please consult factory or visit Recommended Drivers for available driver options.
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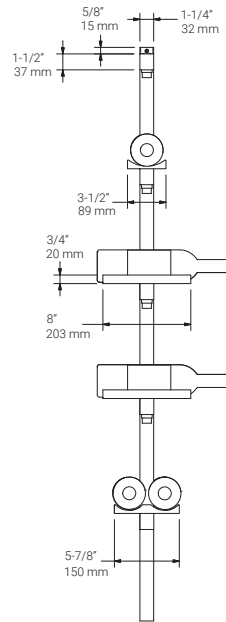
Mounting Options & Dimensions

LED Insert Dimensions (shown with 1B/2B)

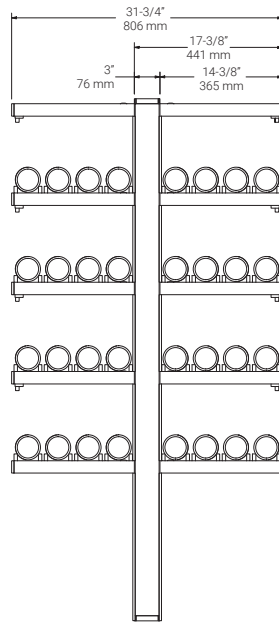
Fixture Dimension



Front View



Fixture Dimension with 4B Arms



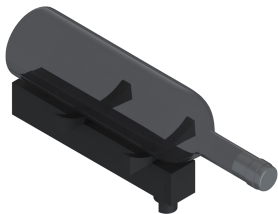
3D View (single)



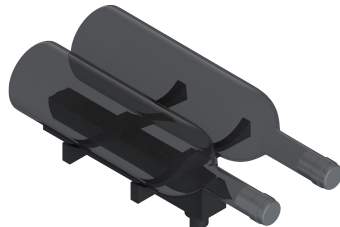
3D View (double)



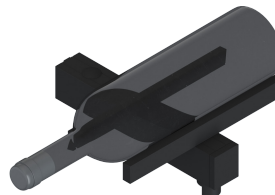
Bottle Holder Options



1A single neck view



2A double neck view



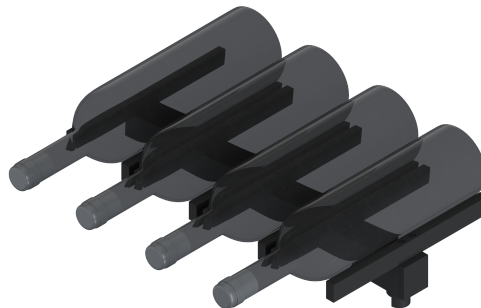
1B single label view



2B double label view



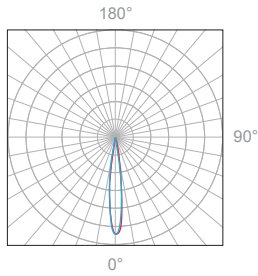
1V vertical bottle holder



4B 4 bottle label view

1W, 3000K, 90+ CRI, 12°

**Polar Candela Distribution
NA (No Accessories)**

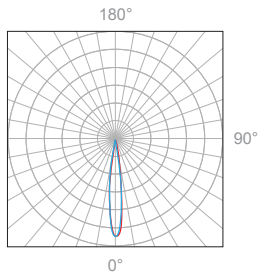


Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.0ft	0.30m	1230fc	0.2ft	0.06m	0.3ft	0.09m
2.0ft	0.61m	319fc	0.5ft	0.15m	0.7ft	0.21m
3.0ft	0.91m	137fc	0.7ft	0.21m	1.0ft	0.30m
4.0ft	1.22m	74fc	0.9ft	0.27m	1.4ft	0.43m
5.0ft	1.52m	48fc	1.2ft	0.36m	1.7ft	0.52m
6.0ft	1.83m	33fc	1.4ft	0.43m	2.0ft	0.61m

Delivered Lumen: 143lm
 ■ Vertical Beam Spread: 19.4°
 ■ Horizontal Beam Spread: 19.4°

**Polar Candela Distribution
HS (Half Shroud)**

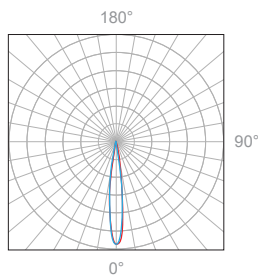


Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.0ft	0.30m	1252fc	0.3ft	0.09m	0.3ft	0.09m
2.0ft	0.61m	307fc	0.5ft	0.15m	0.5ft	0.15m
3.0ft	0.91m	127fc	0.8ft	0.24m	0.8ft	0.24m
4.0ft	1.22m	70fc	1.0ft	0.30m	1.0ft	0.30m
5.0ft	1.52m	44fc	1.3ft	0.40m	1.3ft	0.40m
6.0ft	1.83m	30fc	1.6ft	0.49m	1.6ft	0.49m

Delivered Lumen: 135lm
 ■ Vertical Beam Spread: 20.2°
 ■ Horizontal Beam Spread: 20.2°

**Polar Candela Distribution
FS (Full Shroud)**



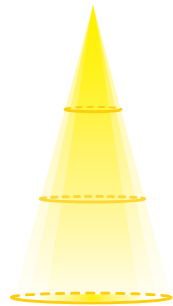
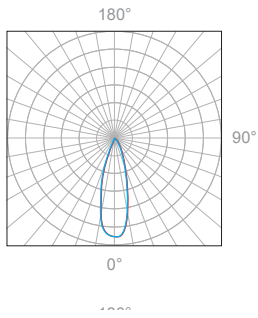
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.0ft	0.30m	1080fc	0.2ft	0.06m	0.2ft	0.06m
2.0ft	0.61m	263fc	0.5ft	0.15m	0.5ft	0.15m
3.0ft	0.91m	112fc	0.7ft	0.21m	0.7ft	0.21m
4.0ft	1.22m	63fc	0.9ft	0.27m	0.9ft	0.27m
5.0ft	1.52m	41fc	1.2ft	0.37m	1.2ft	0.37m
6.0ft	1.83m	27fc	1.4ft	0.43m	1.4ft	0.43m

Delivered Lumen: 65lm
 ■ Vertical Beam Spread: 19°
 ■ Horizontal Beam Spread: 19°

1W, 3000K, 90+ CRI, 30°

**Polar Candela Distribution
NA (No Accessories)**

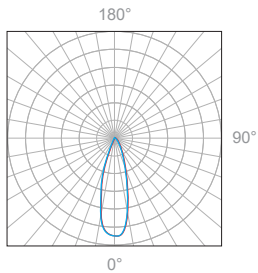


Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.0ft	0.30m	610fc	0.4ft	0.12m	0.4ft	0.12m
2.0ft	0.61m	155fc	0.8ft	0.24m	0.8ft	0.24m
3.0ft	0.91m	67fc	1.2ft	0.37m	1.2ft	0.37m
4.0ft	1.22m	37fc	1.5ft	0.46m	1.5ft	0.46m
5.0ft	1.52m	23fc	1.9ft	0.58m	1.9ft	0.58m
6.0ft	1.83m	16fc	2.3ft	0.70m	2.3ft	0.70m

Delivered Lumen: 143lm
 ■ Vertical Beam Spread: 28.4°
 ■ Horizontal Beam Spread: 28.5°

**Polar Candela Distribution
HS (Half Shroud)**

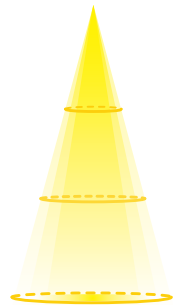
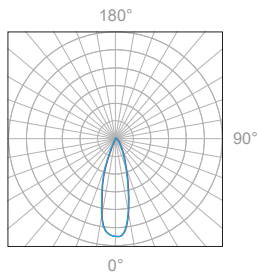


Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.0ft	0.30m	901fc	0.4ft	0.12m	0.4ft	0.12m
2.0ft	0.61m	215fc	0.8ft	0.24m	0.8ft	0.24m
3.0ft	0.91m	89fc	1.1ft	0.34m	1.1ft	0.34m
4.0ft	1.22m	47fc	1.5ft	0.46m	1.5ft	0.46m
5.0ft	1.52m	31fc	1.9ft	0.58m	1.9ft	0.58m
6.0ft	1.83m	22fc	2.3ft	0.70m	2.3ft	0.70m

Delivered Lumen: 153lm
 ■ Vertical Beam Spread: 28.4°
 ■ Horizontal Beam Spread: 28.5°

**Polar Candela Distribution
FS (Full Shroud)**



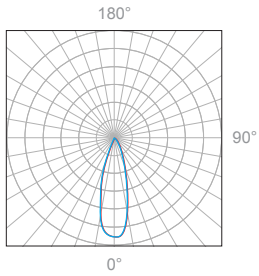
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.0ft	0.30m	881fc	0.4ft	0.12m	0.4ft	0.12m
2.0ft	0.61m	206fc	0.8ft	0.24m	0.8ft	0.24m
3.0ft	0.91m	89fc	1.2ft	0.37m	1.2ft	0.37m
4.0ft	1.22m	47fc	1.6ft	0.49m	1.6ft	0.49m
5.0ft	1.52m	31fc	2.0ft	0.61m	2.0ft	0.61m
6.0ft	1.83m	20fc	2.4ft	0.73m	2.4ft	0.73m

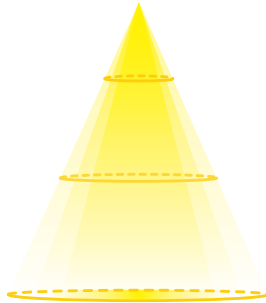
Delivered Lumen: 149lm
 ■ Vertical Beam Spread: 28.3°
 ■ Horizontal Beam Spread: 28.3°

1W, 3000K, 90+ CRI, 45°

Polar Candela Distribution With NA (no accessories)



Beam width shown with NA (no accessories)

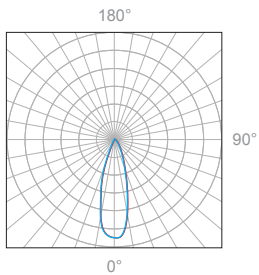


Illuminance at a Distance

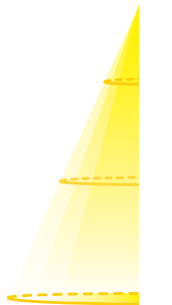
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	14.3fc	2.6ft	0.79m	2.6ft	0.79m
6.0ft	1.83m	3.57fc	5.2ft	1.58m	5.2ft	1.58m
9.0ft	2.74m	1.59fc	7.8ft	2.37m	7.9ft	2.40m
12.0ft	3.66m	0.89fc	10.4ft	3.17m	10.5ft	3.20m
15.0ft	4.57m	0.57fc	13.0ft	3.96m	13.1ft	3.99m
18.0ft	5.49m	0.40fc	15.6ft	4.75m	15.7ft	4.78m

Delivered Lumen: 89 lm
 ■ Vertical Beam Spread: 47.0°
 ■ Horizontal Beam Spread: 47.3°

Polar Candela Distribution With HS (half shroud)



Beam width shown with HS (half shroud)

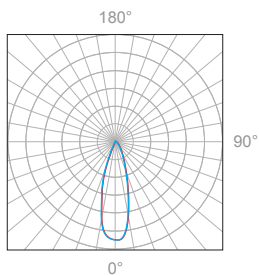


Illuminance at a Distance

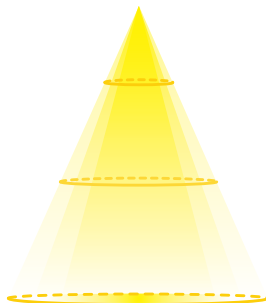
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	14.1fc	2.5ft	0.76m	2.5ft	0.76m
6.0ft	1.83m	3.53fc	5.0ft	1.52m	5.1ft	1.55m
9.0ft	2.74m	1.57fc	7.4ft	2.25m	7.6ft	2.31m
12.0ft	3.66m	0.88fc	9.9ft	3.01m	10.1ft	3.07m
15.0ft	4.57m	0.56fc	12.4ft	3.77m	12.7ft	3.87m
18.0ft	5.49m	0.39fc	14.9ft	4.54m	15.2ft	4.63m

Delivered Lumen: 84.5 lm
 ■ Vertical Beam Spread: 44.9°
 ■ Horizontal Beam Spread: 45.7°

Polar Candela Distribution With FS (full shroud)



Beam width shown with FS (full shroud)



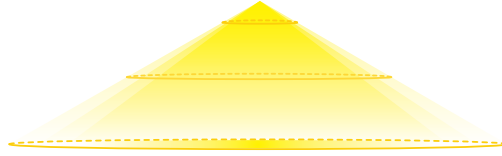
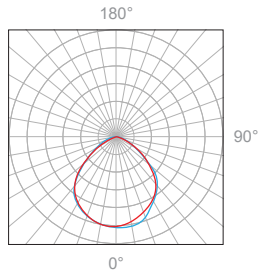
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	14.1fc	2.3ft	0.70m	2.4ft	0.73m
6.0ft	1.83m	3.53fc	4.6ft	1.40m	4.7ft	1.43m
9.0ft	2.74m	1.57fc	6.9ft	2.10m	7.1ft	2.16m
12.0ft	3.66m	0.88fc	9.2ft	2.80m	9.4ft	2.86m
15.0ft	4.57m	0.56fc	11.5ft	3.50m	11.8ft	3.59m
18.0ft	5.49m	0.39fc	13.8ft	4.20m	14.2ft	4.32m

Delivered Lumen: 76.2 lm
 ■ Vertical Beam Spread: 44.9°
 ■ Horizontal Beam Spread: 45.7°

1W, 3000K, 90+ CRI, 120°

**Polar Candela Distribution
NA (No Accessories)**

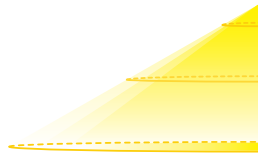
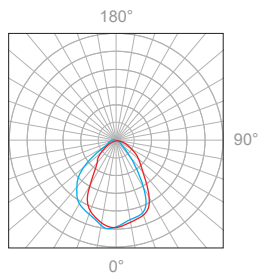


Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.0ft	0.30m	87fc	1.9ft	0.58m	1.9ft	0.58m
2.0ft	0.61m	21fc	3.8ft	1.16m	3.8ft	1.16m
3.0ft	0.91m	9fc	5.7ft	1.74m	5.7ft	1.74m
4.0ft	1.22m	5.1fc	7.6ft	2.32m	7.6ft	2.32m
5.0ft	1.52m	3.3fc	9.4ft	2.87m	9.4ft	2.87m
6.0ft	1.83m	2.3fc	11.3ft	3.44m	11.3ft	3.44m

Delivered Lumen: 110.1lm
 ■ Vertical Beam Spread: 98.8°
 ■ Horizontal Beam Spread: 97.1°

**Polar Candela Distribution
HS (Half Shroud)**

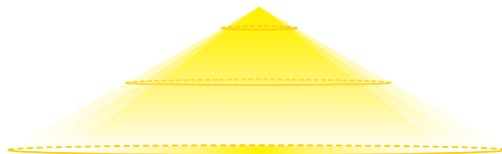
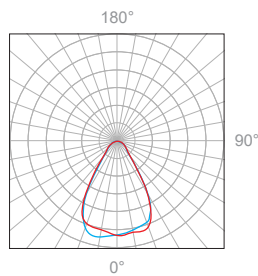


Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.0ft	0.30m	77fc	1.8ft	0.55m	2.3ft	0.70m
2.0ft	0.61m	19fc	3.5ft	1.07m	4.7ft	1.43m
3.0ft	0.91m	8.2fc	5.3ft	1.62m	7.0ft	2.13m
4.0ft	1.22m	4.7fc	7.1ft	2.16m	9.3ft	2.83m
5.0ft	1.52m	2.9fc	8.8ft	2.68m	11.7ft	3.57m
6.0ft	1.83m	2.1fc	10.6ft	3.23m	14.0ft	4.27m

Delivered Lumen: 120.4lm
 ■ Vertical Beam Spread: 82.6°
 ■ Horizontal Beam Spread: 87.5°

**Polar Candela Distribution
FS (Full Shroud)**



Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.0ft	0.30m	77fc	1.4ft	0.43m	1.7ft	0.37m
2.0ft	0.61m	18fc	2.8ft	0.85m	3.3ft	1.01m
3.0ft	0.91m	7.9fc	4.2ft	1.28m	5.0ft	1.52m
4.0ft	1.22m	4.5fc	5.6ft	1.71m	6.6ft	2.01m
5.0ft	1.52m	2.8fc	7.0ft	2.13m	8.3ft	2.53m
6.0ft	1.83m	2fc	8.4ft	2.56m	9.9ft	3.02m

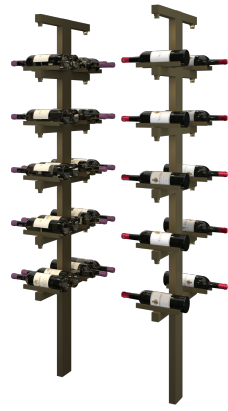
Delivered Lumen: 93.1lm
 ■ Vertical Beam Spread: 65.2°
 ■ Horizontal Beam Spread: 61.1°

Appendix

Aluminum Finishes



BA black anodized



BZ bronze powder coated