

# SIGNUM 16

SPECIFICATION SHEET

## CLASSIC HIGH CEILING ILLUMINATION CYLINDER

### Housing

Diameter : Ø15.9" | Height : 13.6" | Weight : 27.5 lbs (115W)

### Material

Housing: High Pressure Die-Cast Aluminum

Lens: Clear Polycarbonate

### Power Input

115W, 145W, 195W | 120-277V

### Lumen Output

14,000 lm (115W), 16,400 lm (145W), 22,540 lm (195W)

### Dimming

Superior 0-10V: Dims to 1%

DMX: High resolution dims to 0.1% (Supports ANSI E1.20 RDM protocol)

### Color Quality

CRI 75, CRI 85, CRI 93

### Rated Life

> 60,000 Hours (L70)

### Finish



Black



White

### Color Temperature



3000K



4000K



5000K

### Optics



40°



60°



Wide

### Mounting



Stem  
Mount



Adjustable  
Cable



Bracket

### Warranty

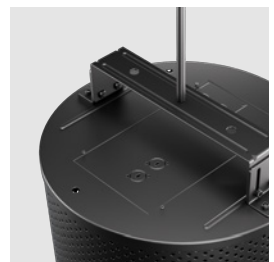
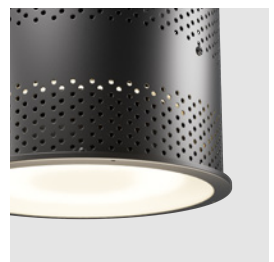
5 Year limited warranty

### Listing



## Unrivalled performance in a big package

The Signum 16 is a robust 16-inch aperture cylinder that feature a lumen package range of 13,400 lm – 23,000 lm. Compatible with a wide variety of mounting, dimming and optic selections. Perfect for general illumination and high ceiling applications.



# METEOR

[meteor-lighting.com](https://meteor-lighting.com)

## SPECIFICATION SHEET

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SLEEK AND AESTHETIC  
HIGH BAY CYLINDER

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## SPECIFICATION

PROJECT NAME

DATE

CATALOG #

QUANTITY

SS16	MODEL	SIGNUM 16		
	WATTAGE	115 115W	145 145W	195 195W
	CCT / CRI	308 3000K / CRI 85 507 5000K / CRI 75	309 3000K / CRI 93	408 4000K / CRI 85
UNV	VOLTAGE	UNV 120 – 277V		
	DIMMING	NOD Non-Dimming	SPV Superior 0-10V dims to 1%	DMX DMX dims to 0.1% (XLR Sockets)
	BEAM ANGLE	40 40°	60 60°	WD <sup>1</sup> Wide
	FINISH	BLK Black	WHT White	
	MOUNTING	BRK Bracket Mount AD10 Adjustable Cable 10ft	ST2 Stem 2ft	ST4 Stem 4ft
	ACCESSORIES	NO No Accessories DF <sup>3</sup> Diffuser	SPD <sup>2</sup> Surge Protector WG <sup>4</sup> Wire Guard (IK10 Rating)	EMP Remote Emergency Pack FCS Field Cut Stem Adapter Kit

<sup>1</sup> Please factor in change in lumen output of -20% with WD<sup>2</sup> Surge protector for up to 10KV. Applicable for unstable mains or facilities using high power machineries<sup>3</sup> Please factor in change in lumen output with Diffuser (-20% with WD; -12% with other degrees)<sup>4</sup> Please factor in change in lumen output of -14%

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## TECHNICAL DETAILS

### Electrical

- 14,290 lm (115W), 16,780 lm (145W), 23,000 lm (195W)
- Power Input: Universal (120-277V)
- Operating Temperature: -40°F~113°F
- Surge Protection: Built-in is 4KV
- Power Factor Greater than 0.9
- Remote Emergency Pack: Bodine BSL20B2UEK55C111

### LED Features

- Color Temperature: 3000K, 4000K, 5000K
- CRI 75, CRI 85, CRI 93
- Long lasting LED luminaire tested under TM21 lumen maintenance L70 @ 60,000 Hrs

### Optics

- Precision molded high transmittance clear PC lens
- Beam Angle: 40°, 60°, WD

### Advanced Dimming

- Proprietary VX Driver™ is incorporated to all dimming options for video flicker-free lighting
- Superior 0-10V: Dims to 1%
- DMX: High resolution dims to 0.1% (Supports ANSI E1.20 RDM protocol)

### Housing

- Diameter: Ø15.9"
- Height: 13.6"
- Material: High Pressure Die-Cast Aluminum, PC Lens
- Weight: 27.5 lbs (115W), 28.6 lbs (145W), 30.3 lbs (195W)

### Mounting

- Bracket Mount
- Stem 2ft or 4ft; 37° Swivel Canopy Included
- Adjustable Cable 10ft

### Warranty

- 5-year limited warranty

### Listing

- ETL Dry Location Listed
- CE
- FCC
- IK10

## PERFORMANCE SUMMARY\*

Delivered Lumens			
CCT/WATTAGE	3000K	4000K	5000K
115W	13,400lm	14,000lm	14,290lm
145W	15,730lm	16,400lm	16,780lm
195W	21,560lm	22,540lm	23,000lm

Current Consumption		
WATTAGE / VOLT	120V	277V
115W	1.26A	0.54A
145W	1.57A	0.68A
195W	1.89A	0.82A

\*Beam Angle: 25° \*Tolerance ±8%

Emergency Pack Lumen Output Table			
CCT	3000K	4000K	5000K
LUMEN	1,760lm	1,890lm	1,950lm

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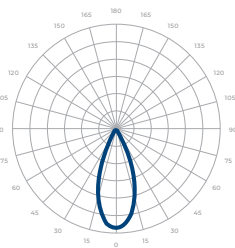
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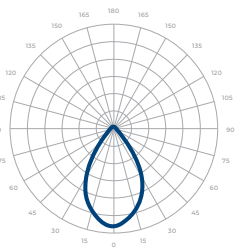
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## PHOTOMETRICS

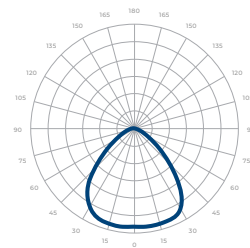
Below is a typical photometric representation of the Signum 16 fixture. Please download IES files to ensure exact photometric value.



40°



60°



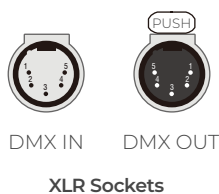
Wide

## DMX REQUIREMENTS

The Signum 16 fixture with DMX is a **single channel dmx** unit. When placing an order, please indicate DMX address. (The DMX address will be listed on the back of the fixture). Do not connect more than 32 fixtures per DMX daisy chain.

The fixture can be connected with XLR sockets. DMX cables **are not** included; please refer to compatible DMX cabling list for more information. The final fixture on each daisy chain should be terminated by the use of a DMX terminator purchased from a 3rd party or from Meteor.

CONNECTION	5-PIN XLR
Common	PIN 1
Signal -	PIN 2
Signal +	PIN 3
Spare	PIN 4
Spare	PIN 5



## COMPATIBLE DMX CABLING LIST

DMX uses a cable consisting of two twisted pairs plus a shield to carry data. The cable must be specifically impedance matched for the digital DMX signal, meaning that microphone cable or other non-rated cable **must not be used to carry DMX**. Network cable (Cat5, 5e or 6 cable) may be used to carry DMX in an installation; however special consideration must be given to shielding and termination. Under no circumstances should solid core cable like Cat5 be terminated into a screw down connector.

Meteor recommends the use of Belden 9729 or Belden 9841 for DMX installation. Belden 9729/9841 is a two pair cable, which allows for a spare pair for 'out and back' type terminations if needed. Below is a list of other compatible Belden cables.

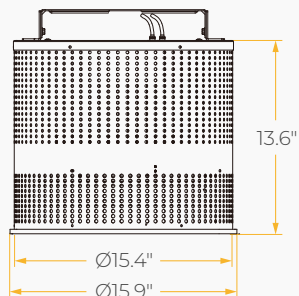
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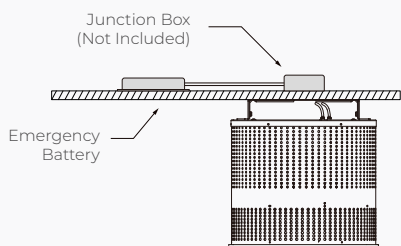
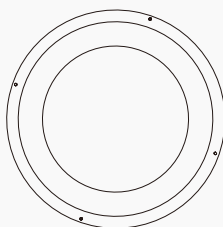
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HIGH BAY CYLINDER

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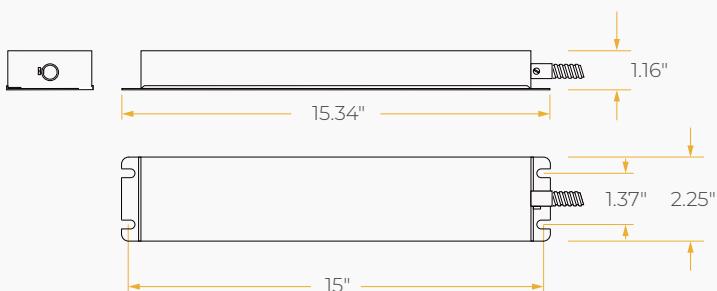
## DIMENSIONS



Appearance (Bottom View)



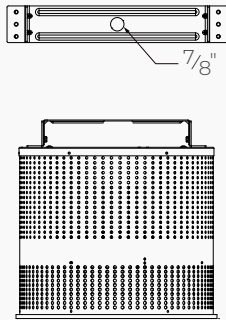
Remote Emergency Pack



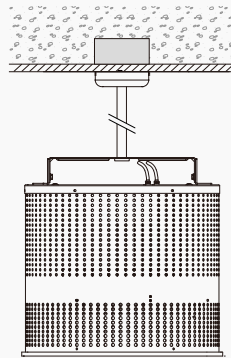
## MOUNTING OPTIONS\*

*\*Junction Box not included*

Bracket Mount



Stem Mount



Adjustable Aircraft Cable

