SIGNUM 16

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 | 120-277V

Lumen Output
13,750 lm (115W), 16,140 lm (145W)

Dimming
Superior 0-10V: Dims to 1%
DMX: High resolution dims to 0.1% (Supports ANSI E1.20 RDM protocol)
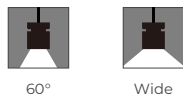
Color Quality	Rated Life
CRI 85+	> 60,000 Hours (L70)

Finish	Color Temperature
Black White	ColorFlip™ Tunable White 2700K ↔ 6500K

Optics
60°   Wide

Mounting
Stem Mount   Adjustable Cable   Bracket

Warranty
5 Year limited warranty
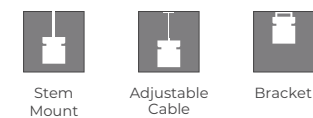
Listing
ETL Intertek   CE   UKCA   IK10

Unrivalled performance in a big package

The Signum 16 is a robust 16-inch aperture cylinder capable of delivering 12,610 lm – 16,140 lm. It features an IK 10 rating, DMX compatibility, and Colorflip™ Tunable White color changing technology.

METEOR

SPECIFICATION

PROJECT NAME

DATE

CATALOG #

QUANTITY

SS16	**MODEL**	**SIGNUM 16**			
	WATTAGE	**115** 115W	**145** 145W		
TNW	**CCT / CRI**	**TNW** 2700K-6500K			
UNV	**VOLTAGE**	**UNV** 120 – 277V			
	DIMMING	**SPV** Superior 0-10V dims to 1%	**DMX** DMX dims to 0.1% (XLR Sockets)		
	BEAM ANGLE	**60** 60°	**WD**[1] Wide		
	FINISH	**BLK** Black	**WHT** White		
	MOUNTING	**BRK** Bracket Mount **AD10** Adjustable Cable 10ft	**ST2** Stem 2ft	**ST4** Stem 4ft	
	ACCESSORIES	**NO** No Accessories	**SPD**[2] Surge Protector	**WG**[3] Wire Guard (IK10 Rating)	

[1] *Please factor in change in lumen output of -20% with WD*

[2] *Surge protector for up to 10KV. Applicable for unstable mains or facilities using high power machineries*

[3] *Please factor in change in lumen output of -14%*

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SIGNUM 16
SLEEK AND AESTHETIC
HIGH BAY CYLINDER

METEOR

TECHNICAL DETAILS

Electrical

- 13,750 lm (115W), 16,140 lm (145W)
- 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 BSL20B2UEK55C1I1

LED Features

- ColorFlip™ Tunable White 2700K ↔ 6500K
- CRI 85+
- Long lasting LED luminaire tested under TM21 lumen maintenance L70 @ 60,000 Hrs

Optics

- Precision molded high transmittance clear PC lens
- Beam Angle: 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)

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

ColorFlip™	2700K	3000K	3500K	4000K	4500K	5000K	5700K	6500K
DMX CCT Signal (%)	0%	10%	25%	45%	60%	70%	85%	100%
0-10V CCT Voltage	0	1	2.5	4.5	6	7	8.5	10
115W	12,770lm	13,090lm	13,420lm	13,750lm	13,465lm	13,180lm	12,895lm	12,610lm
145W	14,990lm	15,360lm	15,750lm	16,140lm	15,800lm	15,470lm	15,130lm	14,800lm
CRI	85	86	87	88	88	87	86	85

Current Consumption		
WATTAGE / VOLT	120V	277V
115W	1.1A	0.46A
145W	1.3A	0.58A

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SIGNUM 16

SLEEK AND AESTHETIC
HIGH BAY CYLINDER

METEOR

PHOTOMETRICS

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


60°

Wide
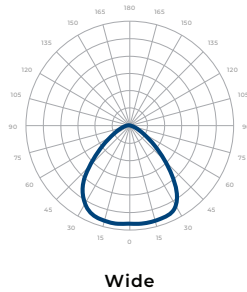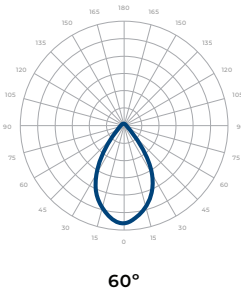
DMX REQUIREMENTS

The Signum 16 Tunable White fixture with DMX unit has **two channels** per fixture (1 to control intensity, 1 to control color). 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.

	DMX Address	
Fixture	**Intensity Control (ex. X)**	**Color Control (ex. X+1)**
#1	1	2
#2	3	4
#3	5	6

The fixture can be connected with RJ45 or 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.

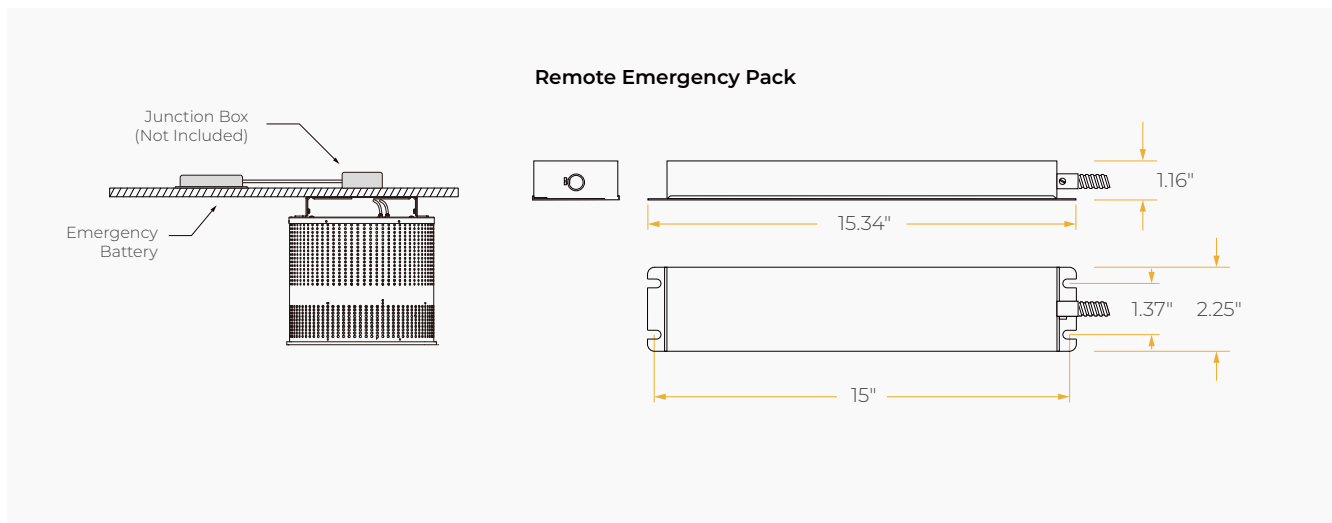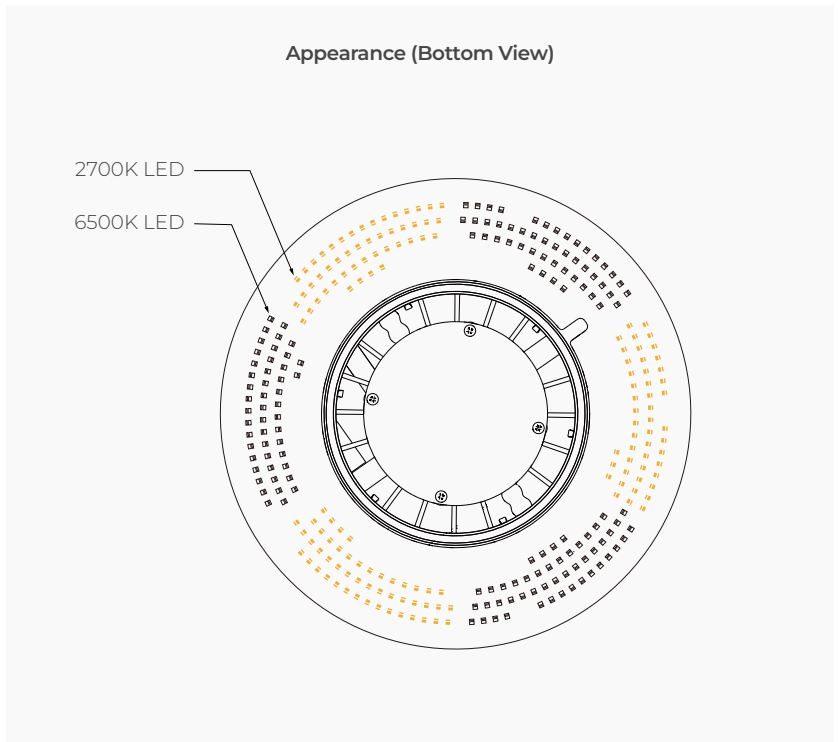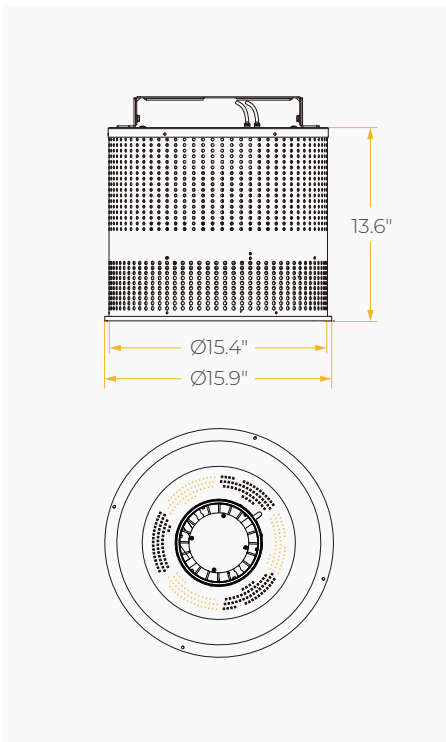| CONNECTION	5-PIN XLR
Common	PIN 1
Signal -	PIN 2
Signal +	PIN 3
Spare	PIN 4
Spare	PIN 5

DMX IN   DMX OUT

XLR Sockets
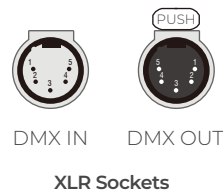
COMPATIBLE DMX CABLING LIST

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 for DMX installation. Belden 9729 is a two pair cable, which allows for a spare pair for 'out and back' type terminations if needed.
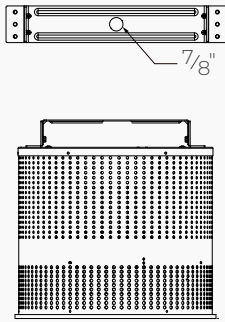
DIMENSIONS

13.6"

Ø15.4"
Ø15.9"

Appearance (Bottom View)

2700K LED
6500K LED

Junction Box
(Not Included)

Emergency
Battery

Remote Emergency Pack

1.16"

15.34"

1.37"   2.25"

15"

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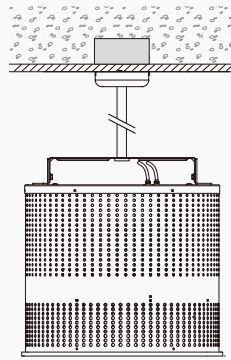
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MOUNTING OPTIONS*

Juntion Box not included

Bracket Mount

7/8"

Stem Mount

Adjustable Aircraft Cable

10ft

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