

Client _____ Project name _____

Order# _____ Type _____ Qty _____

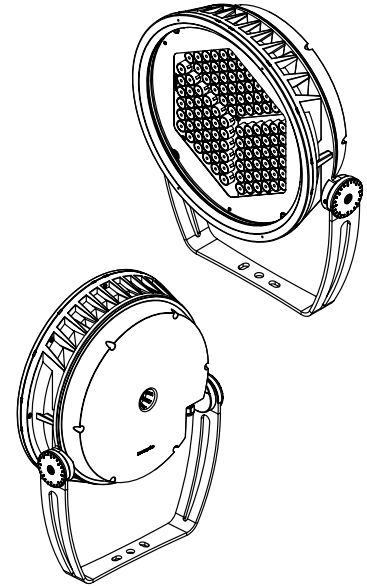
FEATURES AND BENEFITS

Physical :

- Low copper content high pressure die-cast aluminum housing
- Steel formed yoke (standard yoke included)
- Stainless steel hardware
- Silicone sealing devices
- Clear tempered glass
- Dual chamber design for heat management and ease of maintenance
- Electro-statically applied polyester powder coat finish
- 16.33 kg / 36 lbs
- EPA: Front = 2.75 sq. ft./ 0.26 sq. m. Side = 1.17 sq. ft./ 0.12 sq. m.
- IP66
- IK09 rated
- Corrosion-resistant coating for hostile environments*
- Meets 3G ANSI C136.31 Vibration standard for bridge applications

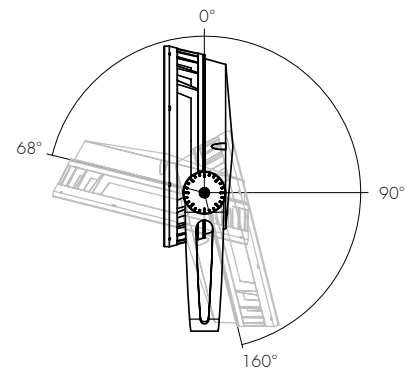
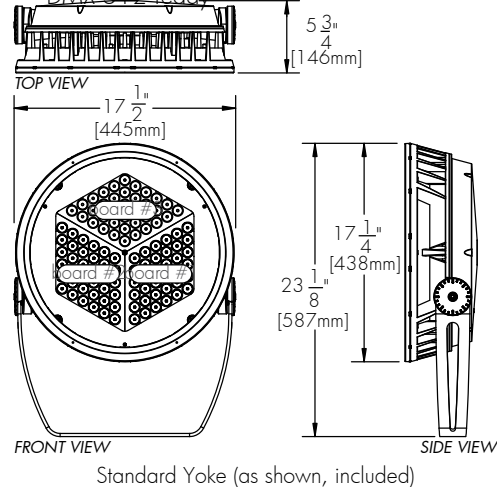
Performance :

- Minimum 1fc (10,7 lux) @ 574 feet (175m) distance (DWH full output, 6° optic, RO version)
- 7,895 delivered lumens and 330,050 candelas at nadir (DWH full output, 6° optic, RO version)
- 6,558 delivered lumens and 277,272 candelas at nadir (DWW full output, 6° optic, RO version)
- 10,455 delivered lumens and 471,119 candelas at nadir (DWH full output, 6° optic, HO version)
- Dynamic Warm variable color temperature: 108 LEDs (12x 2200K, 12x 2700K, 12x 3000K per board)
- Dynamic White variable color temperature: 108 LEDs (12x 2700K, 12x 4000K, 12x 6500K per board)
- 6°, 10°, 20°, 40° or 60° optics available
- lumen maintenance 120,000 hrs [L70 @ 25°C]
- Resolution per board or per fixture (see page 5)
- lumen measurements comply with LM - 79 - 08 standard
- Operating temperatures: -25° C to 50° C [-13F to 122F]



Electrical :

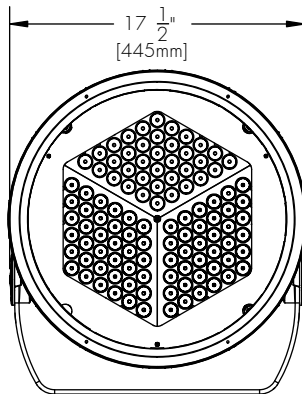
- Line voltage luminaire for 100 to 277V
- Power and data in 1 cable, 3ft/1 m cord (#16-5)
- Regular Output version: 140 watts
- High Output version: 205 watts
- DMX 512 ready



Standard Yoke Mounting
Adjustable Pivot Limits
(Adjustable in 6 degree increments)

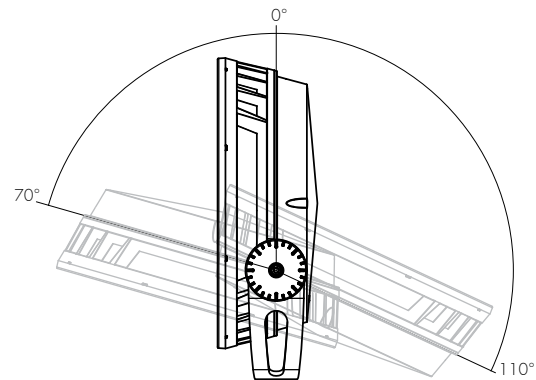
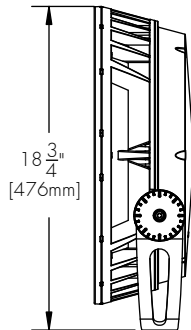
* Use only when exposed to salt spray and harsh chemicals. This option is not required for normal outdoor exposure!

MOUNTING OPTION

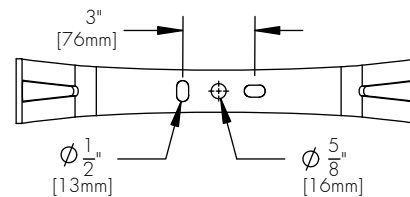


SY

Short Yoke Mounting



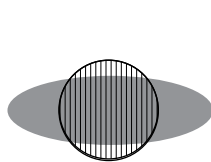
Short Yoke mounting
adjustable pivot limits
(Adjustable in 6 degree increments)



Standard and Short Yoke mounting
holes Pattern

OPTICAL OPTIONS

***Factory installed**



LSLH

Linear Spread Lens
Horizontal distribution
(not adjustable on site)



LSLV

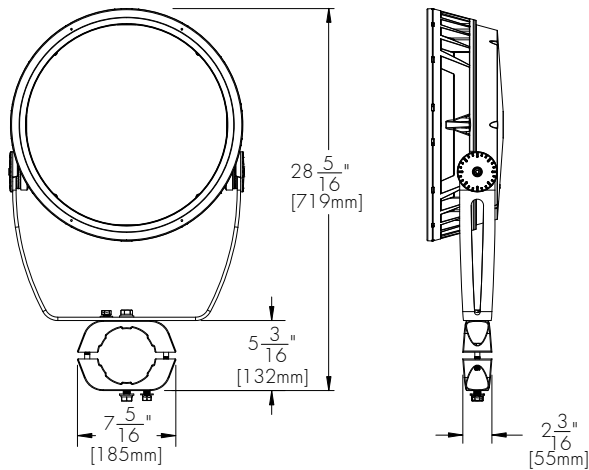
Linear Spread Lens
Vertical distribution
(not adjustable on site)

Factory installed, available for 6° to 40° optics.
See Optical Accessories for field adjustable spread lens.
*See photometric section for optical performance data
with the spread lens.

ACCESSORIES

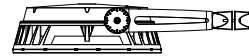
Order separately

Mounting Accessories



PM4 Round Pole Mounting Accessory Shown

*Consult factory for square pole section



PM4-1, PM4.5-1, PM5-1

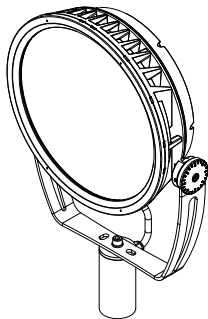
Round Pole Mounting accessory
single fixture



PM4-2, PM4.5-2, PM5-2

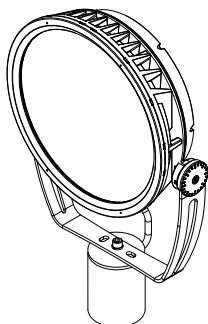
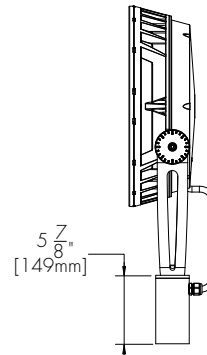
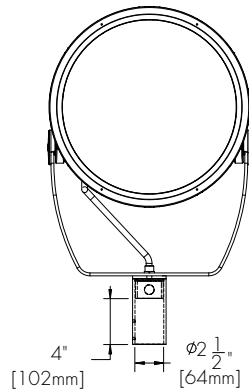
Round Pole Mounting accessory
twin fixtures

When **PM4-2, PM4.5-2 or PM5-2** are specified,
one bracket assembly is supplied per 2 fixtures unless
otherwise specified.



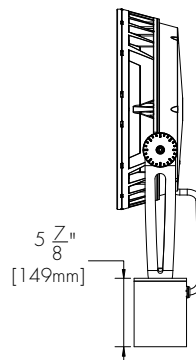
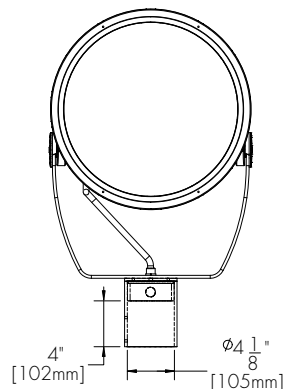
TN2

Tenon adapter
to fit on 2 3/8" O.D. tenon



TN4

Tenon adapter
to fit on 4" O.D. tenon



ACCESSORIES - continued

Order separately

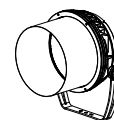
Optical Accessories:

LBX-SN-___-BK Snoot accessory. Please specify desired exterior finish :

*Interior surface SI - Silver SandText
painted black. BKM - Matte black

WH - White

CC - Custom, please specify RAL color



LBX-SNW-___-BK Snoot Wide accessory. Please specify desired exterior finish :

*Interior surface SI - Silver SandText
painted black. BKM - Matte black

WH - White

CC - Custom, please specify RAL color



LBX-VS-___-BK Visor accessory. Please specify desired exterior finish :

*Interior surface SI - Silver SandText
painted black. BKM - Matte black

WH - White

CC - Custom, please specify RAL color



LBX-WG-___ Wire Guard accessory. Please specify desired exterior finish :

SI - Silver SandText

BKM - Matte black

WH - White

CC - Custom, please specify RAL color



LBX-LSLA-___ Linear Spread Lens Adjustable accessory. Please specify desired exterior finish :

SI - Silver SandText

BKM - Matte black

WH - White

CC - Custom, please specify RAL color



Accessory combinations:

+	Snoot	Snoot Wide	Visor	Wire Guard
Snoot	NO	NO	NO	YES
Visor	NO	NO	NO	YES
Linear Spread Lens Adjustable	YES	YES	YES	NO

Accessory combinations must be ordered together on a single line.

Ex: A Snoot + Wire Guard combination order code is **LBX-SNWG-BK-BK**.

ACCESSORIES - continued

Order separately

Control Systems:

- ITO2** Lumentouch is a wall mount DMX 512 controller keypad.
- LCU** Lumencue is a USB / mini SD DMX 512 controller.
- LID** LumenID is a diagnostic and addressing DMX 512 controller.
It must be specified on all DMX applications.
Refer to LID specification sheet for details.
- LTN** Lumentone is a simple pre-programmed DMX 512 controller with a push button rotary dial and live feedback.

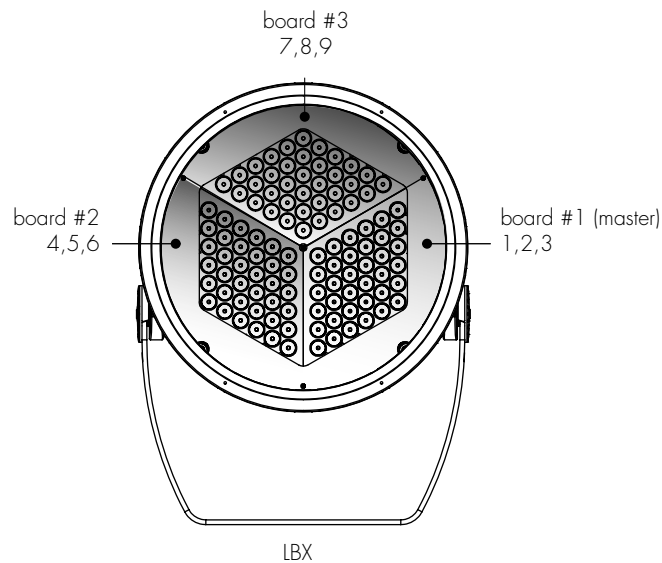
Control Boxes:

- CBX** DMX/RDM control box.
Up to six power and data outputs to fixtures or fixture runs.
Ethernet enabled option.
Refer to CBX specification sheet for details.

RESOLUTION DETAILS

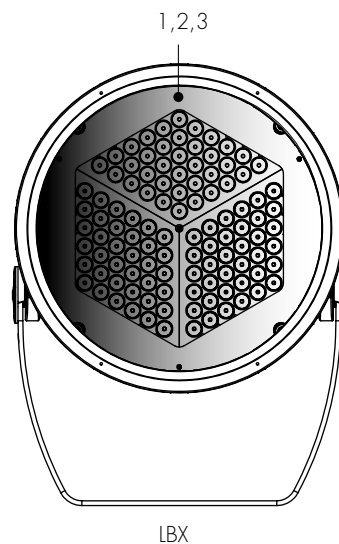
DMX 1BD - Resolution per board: each board is addressed independently
(recommended for most installations)

DMX ADDRESSES:



DMX 1FX - Resolution per fixture: each fixture is addressed independently

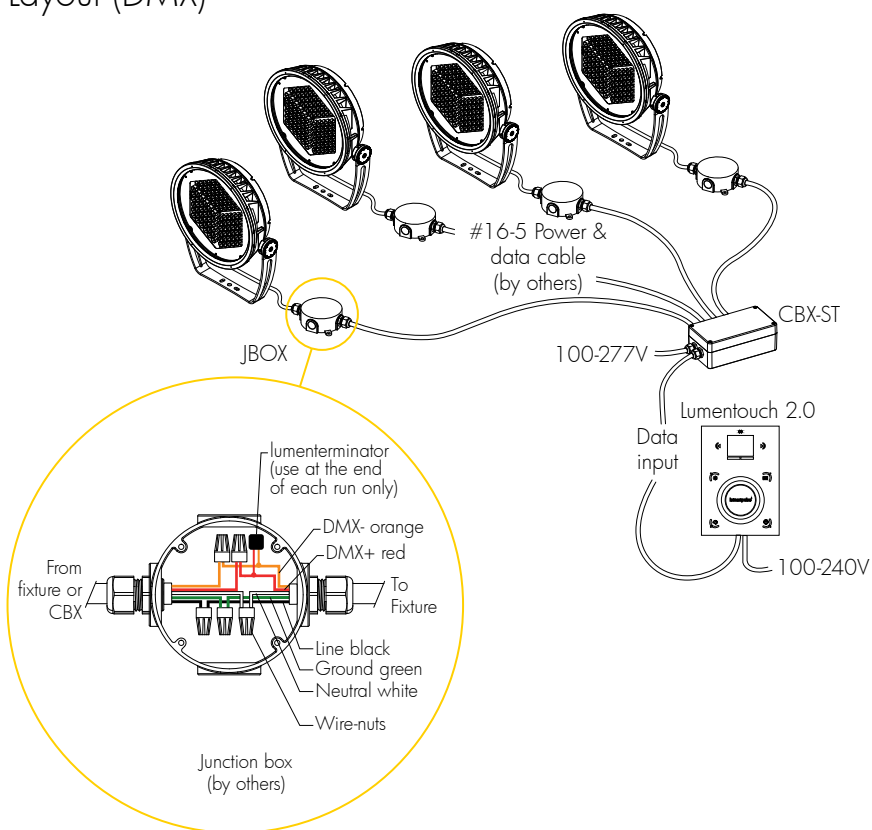
DMX ADDRESSES:



*Warning: resolution is a factory setting and cannot be changed in the field.

TYPICAL WIRING DIAGRAMS

Star Layout (DMX)

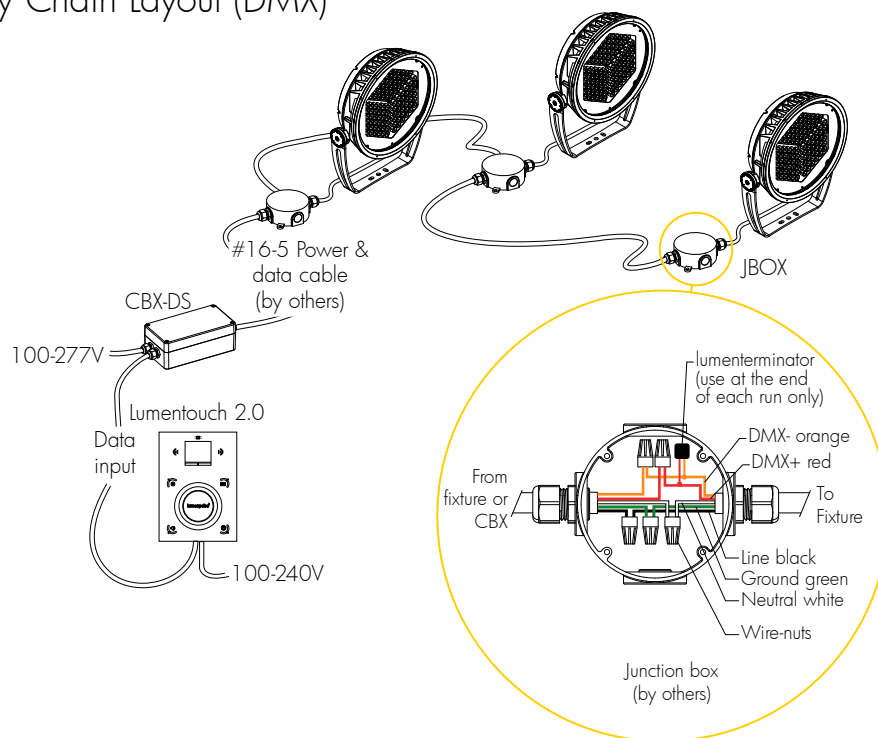


American Color Code	CE Color Code	USE
Green	Yellow/Green	Ground
Black	Brown	Live 100-277V
White	Blue	Neutral
Red/Purple	Black	0-10V / Data +
Orange	Grey	0-10V / Data -

8 LBX RO (16 AWG cable) max. per CBX-ST,
6 LBX HO (16 AWG cable) max. per CBX-ST,
10' on center spacing.
6 outputs max. per CBX-ST.
100' max. total cable length per CBX-ST.
(based on a 15A @ 120V)

DMX terminator is required at the end of each run to maintain data integrity.
(2x) DMX lumenterminator included per CBX-DS
(6x) DMX lumenterminator included per CBX-ST
See installation instructions for details.

Daisy Chain Layout (DMX)



8 LBX RO (16 AWG cable) max. per CBX-DS,
6 LBX HO (16 AWG cable) max. per CBX-DS,
10' on center spacing.
2 outputs max. per CBX-DS.
100' max. total cable length per CBX-DS.
(based on a 15A @ 120V)

HOW TO ORDER

LBX					Board 1/ Board 2/ Board 3			
1	2	3	4		5	6	7	8

1	
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Housing:

LBX RO - lumenbeam™ XLarge, Regular Output, 140W

LBX HO - lumenbeam™ XLarge, High Output, 205W

2	
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Voltage:

100 - 100 volts **220** - 220 volts

120 - 120 volts **240** - 240 volts

208 - 208 volts **277** - 277 volts

3	
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Colors and Color temperatures:

DWW - Dynamic warm white color temperature ranging from 2200K to 3000K.

DWH - Dynamic white color temperature ranging from 2700K to 6500K.

4	
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Control:

DMX 1BD - Resolution per board



DMX 1FX - Resolution per fixture



5	
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Optic (Please specify for each board):

VN - Very Narrow 6°



NS - Narrow Spot 10°



NF - Narrow Flood 20°



FL - Flood 40°



WFL - Wide Flood 60°

(cannot be combined with other optics)



6	
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Optical Option:

LSLH - Linear Spread Lens Horizontal distribution

LSLV - Linear Spread Lens Vertical distribution

*Factory installed, available for 6° to 40° optics. See Optical Accessories for field adjustable spread lens.

7	
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Finish:

SI - Silver SandText

BK - Black SandText

WH - White

CC - Custom (please specify RAL color)

8	
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Option:

SY - Short Yoke

SY-3GV - Reinforced Short Yoke to meet 3G ANSI

C136.31 Vibration Rating standard

CRC - Corrosion-resistant coating for hostile environments