Peerless
Lighting for People®

Bruno LED Softshine®

Type:

Project:

BRM9L | LED | I/D or Direct | Suspended

HIGHLIGHTS

- Total System Integration features 5-year limited warranty by Acuity Brands covering all components and construction
- 4', 5', 6', 8', 10' and 12' Sections
- Up to 139lm/w
- Multiple outputs available
- Softshine®-engineered comfort optics
- Enhanced batwing distribution through optical film
- Flicker-free dimming to dark (0.1%) powered by eldoLED® driver
- Integrated nLight® for system networking wired and wireless (optional)
- Integrated sensor for daylight dimming and/or occupancy detection (optional)
- Flat or sculptured end caps
- White, black, aluminum or custom color
- QuickShip option available

DIMENSIONS

☐ **BRM9L**

1 3/4"

8 1/4"

DETAILS

Flat end cap

Sculptured end cap

COMPANION LUMINAIRE(S)

BRW9L
Bruno Wall LED

BRM9L S
Bruno Surface

LUMEN PACKAGES

Based on 80CRI @ 3500K @70/30. Additional outputs and color temperatures available.

Indirect/'Direct LED Output	ID500LMF	ID900LMF	ID1400LMF
Total Delivered Lumens Per Foot	473	865	1418
Input Watts Per Foot	3.4	6.4	11.1
Lumens Per Watt	139	135	127

*Please pull the appropriate IES file for the hard data number for your luminaire selection

DISTRIBUTION

70% Up | 30% Down
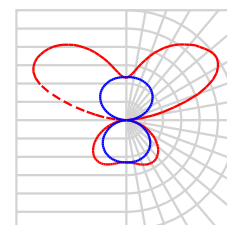
CUSTOMIZATION

Ask us about the following possibilities: Section lengths in 1' increments, additional mounting options, custom colors and other modifications.

PeerlessLighting.com
1- 800-705-SERV (7378) | TechSupport-Lighting@AcuityBrands.com

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A+ Capable options indicated by this color background.

MODEL NUMBER   Example: BRM9L LLP 16FT MSL8 80CRI 35K ID1300LMF 20/80 DARK ZT 120 SCT F1/24F C110

Luminaire	Linear Length Plan	Total Run Length	Maximum Section Length	LED Color Rendering	LED Color Temperature	Indirect/Direct LED Ouput
BRM9L	**LLP** Linear longest possible **LSL** Longest same length	**__FT** *Indicate luminaire row length in 1' increments with minimum of 4FT* *Seven foot row length is excluded.*	**MSL4** 4' section(s) **MSL5*** 5' section(s) **MSL6*** 6' section(s) **MSL8** 8' section(s) **MSL10*** 10' section(s) **MSL12** 12' section(s) **Not available with lumens of ID1600LMF or greater*	**80CRI** 80+ CRI **90CRI** 90+ CRI	**27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K **50K** 5000K	**ID500LMF** Nominal lumens per foot **ID800LMF** Nominal lumens per foot **ID1200LMF** Nominal lumens per foot **ID1500LMF** Nominal lumens per foot **ID2000LMF** Nominal lumens per foot *ID _ _ _ LMF available in 100 increments between ID500LMF and ID2000LMF*

Indirect/Direct Intensity Ratio	Minimum Dimming Level	Control Input	Voltage	Wiring Option	Emergency Options
70/30 Std. 70% up; 30% down **60/40** 60% up; 40% down **50/50** 50% up; 50% down **40/60** 40% up; 60% down **30/70** 30% up; 70% down **20/80** 20% up; 80% down **10/90** 10% up; 90% down **Nominal distribution. Refer to photometric tests for exact distribution.*	**DARK** Constant current, dimming to < 1% **MIN1** Constant current, dimming to 1%	**ZT*** 0-10V **NLIGHT**** nLight enabled **DALI***** DALI enabled **NLTAIR2** nLight AIR enabled **0-10V will use linear dimming curve* ***Will use Logarithmic dimming curve* ****Not available with sensors or MIN1* ****Will use Logarithmic dimming curve*	**120** 120V **277** 277V **347** 347V **MVOLT** 120V-277V **J-box mount step down transformer (1) per section* **Not available with NLIGHT or F2 mount.*	**SCT** Single circuit	**(Blank)** None **1EC** (1) emergency circuit module **2EC** (2) emergency circuit modules **__EC** ___ emergency circuit modules **_E10WLCP** _10 Watt battery pack, constant power with self diagnostics. CEC Certified **Emergency type is installed in last 4' of luminaire sections. Separate feed required.* ***E10WLCP battery pack are not available with CSA* ****4FT MSL4 Individual fixture with EC Consult factory* *****Refer to page 7 for Emergency layout details*

Primary Sensor	Secondary Sensor	Mounting Type/	Overall Suspension
(blank) No factory-installed, integrated sensor **PDT_**** Dual technology occupancy sensor. PIR & microphonics sensor **ADC_**** Daylight Dimming Sensor **APDT_***** Dual technology occupancy sensor and daylight dimming sensor **APIR_*** Passive infrared occupancy sensor and daylight dimming sensor **Available with NLTAIR2 only* ***Not available with NLTAIR2* ****APDT available with ZT, NLIGHT and NLTAIR2*	**(blank)** No factory-installed, integrated sensor **SPDT_**** Dual technology occupancy sensor. PIR & microphonics sensor **SADC_**** Daylight Dimming Sensor **SAPDT_***** Dual technology occupancy sensor and daylight dimming sensor **SAPIR_*** Passive infrared occupancy sensor and daylight dimming sensor **Available with NLTAIR2 only* ***Not available with NLTAIR2* ****SAPDT available with ZT, NLIGHT and NLTAIR2*	**F1/** T-bar ceiling (universal mounting bracket) **F1A/** T-bar ceiling (UMB with integrated J-box) **F2/** Hard ceiling (horizontal J-box) **F3/** Rigid Stem **F1 & F1A Mount uses standard 3 1/2" canopy on feed and 2" canopy on support* ***F2 Mount uses standard 5" canopy on feed and 2" canopy on support* ****F3 Not available with NLIGHT or ELS2. F3 Mount uses standard 5" canopy on both feed & support* *****All feed cords, cord managers, canopies and stems are standard white. They are not painted to match fixture color*	**12F** 12" fixed **18F** 18" fixed **24F** 24" fixed **24A** 24" adjustable **36A** 36" adjustable **36F*** 36" Fixed **48A** 48" adjustable **48F*** 48" Fixed **72A** 72" adjustable **96A** 96" adjustable **144A** 144" adjustable **192A** 192" adjustable **240A** 240" adjustable **For stem F3 Mount only* ***Measured from ceiling to bottom of luminaire.*

Color

C110	Painted aluminum (low gloss)
C210	White white (fine textured)
C202	Black (fine textured)
C099**	Custom color
RALTBD*	Ral Paint finishes

*RALTBD for pricing only. Replace with applicable RAL number and finish when ready to order. See the RAL BROCHURE for available color options. Standard finish choice is Textured (RALxxxxT)
**C099 for pricing only. Custom color chip and requested finish needs to be sent in to your Customer Care Rep and matched up with our paint department and customer approved before order is entered. Standard finish choice is Textured (C099T)

Options

BAA*********	Buy America(n) Act and/or Build America Buy America Qualified
BLK*	Black cord, cord manager and canopy
CSA**	Manufactured to Canadian standards
CP	Chicago Plenum (available with F1A only)
DU	Dust cover
ELH****	Emergency through wiring w/separate neutrals-single EM feed at opposite end of normal
ELS2****	Emergency through wiring w/separate neutrals-single EM feed at same end of normal

*Not available with NLIGHT or IND option
**CSA with EC consult factory
****Not available with CSA.
*********BAA Not available with 10' & 12' sections

GLR	Fast blow
GMF	Slow blow
IND*****	Individual luminaire (factory installed end caps and power cord; hanging hardware in box)
MCS******	Matching canopy at support for aesthetics
MCSJ*******	Matching canopy for J-box mounting at non-power feed support locations
OJB******	Offset J-box at feed
SCEP	Sculptured end caps
SLP********	Sloped ceiling

*****Not available with F1A, SCEP, SLP, fixed cables (12F, 18F, 24F), F3 Stem mount, MSL5, MSL6 or MSL10. Not available with IND option
******MCS & OJB cannot be chosen together
*******MCSJ Available with F2 Mount only
********When SLP is chosen need to choose F2 Mount and OJB.

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SPECIFICATIONS

Housing
Nominal 8 ¼" x 1 ¾" rectangular housing is formed from cold-rolled steel.

End Caps
Die-cast end caps are mechanically attached with no exposed fasteners. Flat end caps standard. For sculptured end caps, choose option SCEP.

Color
Color for housing and end caps is white, black or painted aluminum. Consult factory for custom colors.

Luminaire Length
Luminaire is available in 4', 5', 6', 8', 10' and 12' sections. Using internal joiners, any section combination can be joined to form longer rows with almost 1ft incremental lengths. Add 5/8" for each flat end cap and 4" for each sculptured end cap.

Source
Multiple LED lumen packages and five available color temperature options (2700K, 3000K, 3500K, 4000K and 5000K) — all within 2.5 MacAdam ellipses.

Optics
Softshine® optical system consists of high performance lens, diffusers and metal reflectors.

Dimming Driver
eldoLED driver provides "natural dimming" with smooth, continuous and flicker-free operation to 0.1% dim levels. Acuity luminaires incorporating eldoLED LED drivers perform within the recommended operating areas for flicker as a function of frequency and modulation (%) outlined in IEEE Standard 1789-2015 (IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers), in typical operating conditions at representative dimming levels. Syncing for controls: 2mA max. THD: < 20%. Insignificant inrush current at 120 and 277VAC. FCC Class A and B tested for EMI and RFI When Control Input of 0-10V is specified driver will be set for linear dimming curve, if NLIGHT is specified driver will be set for logarithmic dimming curve.
EldoLED Driver for MIN1 and DARK only

nLight Air Wireless
The integrated API smart sensor is part of each luminaire in the nLight AIR network, which can be grouped to control multiple luminaires. The granularity of control with the digital PIR occupancy detection and daylight sensing makes a great solution for any application.

Optionally you can order nLight AIR less sensors for compatibility with an nLight Air wireless system.

Controls and System Networking Options
For wired networking via Cat-5e, choose an integrated nLight® module. For daylight dimming and/or dual technology occupancy detection. See Integrated Sensor Layout Page for more details.

Electrical
LED light engine — consisting of modular LED boards and eldoLED® dimming driver — is rated for 60,000 hours (L80) at 25° C ambient temperature. Specify 120V or 277V. Pre-wired with 16AWG fixture wire. For special circuiting or wire gauge, consult factory. Plug-in electrical connectors included.

Environment
Suitable for damp location.

Validation
CSA/CUS listed. CSA tested to UL 1598 standards. LM-79 tested. Individual sections meet FCC Part 15 requirements. Lighting Facts partner.

Packaging
100% post-consumer recycled cardboard box and inserts. Biodegradable, protective luminaire bag. Recycled kraft paper tape.

Government Procurement
BAA – Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations. BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to www.acuitybrands.com/buy-american for additional information.

Warranty
5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.

A+ Capable Luminaire
This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency

- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*

- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*
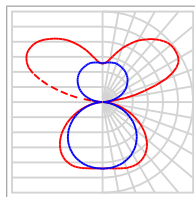
To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

FIXTURE PERFORMANCE DATA
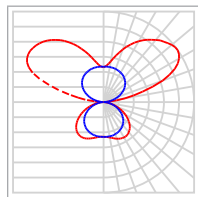
ID1000LMF 70/30 80CRI 35K
70% up/30% down
3916 delivered lumens per 4' section

132 lm/W

ID1000LMF 60/40 80CRI 35K
60% up/40% down
3740 delivered lumens per 4' section

126 lm/W

How to Calculate Delivered Lumens in Emergency Mode
Use the formula below to determine the delivered lumens in emergency mode
Delivered Lumens = 1.25 x P x LPW
P = Ouput power of emergency driver. P = 10W for E10WLCP option.
LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet. LPW = Lumen per watt rating of the luminaire. LPW information available in Performance Data section.

EXPECTED LIFE L80@60,000 HOURS

CCT SCALING CHART

Direct		
CCT	**CRI**	**MULTIPLIER**
27K	80CRI	0.96
30K	80CRI	0.99
35K	80CRI	1
40K	80CRI	1
50K	80CRI	1.05
27K	90CRI	0.81
30K	90CRI	0.83
35K	90CRI	0.85
40K	90CRI	0.86
50K	90CRI	0.92

AcuityBrands.

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Rev. 04/16/24

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LINEAR PLAN:

PEERLESS offers the ability to provide a continuous run plan to suit your requirements by optionally offering three different methods of configuration.

LSL- Linear Same Length:
In this configuration, each segment is the same length and is standardized based on the longest length available and is the only option provided. Because it is dependent on one segment length there are mathematical limitations on what overall row lengths can be achieved. Example: 20 FT row would be achieved with 5, 4 FT long segments equaling 20 FT (nominal).

LSL	4FT	4FT	4FT	4FT	4FT

LLP- Linear Longest Possible
In this configuration, the longest length available is optimized, resulting in the fewest segments and mounting locations. Caution, should be used where balanced appearance is a concern. Example: 20 FT run would have 1, 12 FT segment and 1, 8 FT segment at the end of the run.

LLP	12 FT	8 FT

WEIGHTS & SUPPORT SPACING

Suspension spacing equals section length. Default location shown. Consult factory for stem mounting suspension spacing and alternate locations.
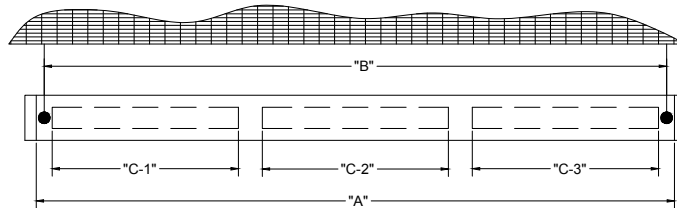
"Beginning of run fixture's center to center support spacing will be 13/16" less than the nominal fixture section length. Refer to Individual Fixture table for specific dimensions"

INDIVIDUAL FIXTURES (MOUNTING)								
ORDERED LENGTH	"A" O.A.L.	"B"	"C-1"	"C-2"	"C-3"	STANDARD END CAP* (*including end caps on both sides)	SCULPTED END CAP* (*including end caps on both sides)	APPROX. WEIGHT
4FT	4'- 0" [1220 mm]	3'- 11 3/16" [1200 mm]	3'- 8 1/8" [1121 mm]	N/A	N/A	1 1/4" [31.8 mm]	8" [203.2 mm]	22 lbs [10 kg]
5FT	5'- 0" [1524 mm]	4'- 11 3/16" [1503 mm]	4'- 8 1/8" [1426 mm]	N/A	N/A	1 1/4" [31.8 mm]	8" [203.2 mm]	26 lbs [12 kg]
6FT	6'- 0" [1828 mm]	5'- 11 3/16" [1808 mm]	2'- 8 1/8" [816 mm]	2'- 8 1/8" [816 mm]	N/A	1 1/4" [31.8 mm]	8" [203.2 mm]	29 lbs [13 kg]
8FT	8'- 0" [2438 mm]	7'- 11 3/16" [2418 mm]	3'- 8 1/8" [1121 mm]	3'- 8 1/8" [1121 mm]	N/A	1 1/4" [31.8 mm]	8" [203.2 mm]	38 lbs [17 kg]
10FT	10'- 0" [3048 mm]	9'- 11 3/16" [3027 mm]	4'- 8 1/8" [1426 mm]	4'- 8 1/8" [1426 mm]	N/A	1 1/4" [31.8 mm]	8" [203.2 mm]	44 lbs [20 kg]
12FT	12'- 0" [3658mm]	11'- 11 3/16" [3637 mm]	3'- 8 1/8" [1121 mm]	3'- 8 1/8" [1121 mm]	3'- 8 1/8" [1121 mm]	1 1/4" [31.8 mm]	8" [203.2 mm]	54 lbs [25 kg]

LEGEND:
A - Fixture Overall Length (excluding standard end caps on both ends).
B - Fixture Suspension Points center-to-center distance
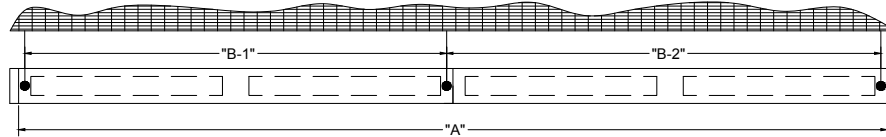C = C-1 = C-2* - Aperture window length
    *if C-2 = N/A, then fixture has a single aperture (=C-1)
    *if C-3 = N/A, then fixture has dual aperture (=C-1 & C-2)

* See next page for more Weights & Support Spacing layouts.

Type:

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WEIGHTS & SUPPORT SPACING (Continued)

Suspension spacing equals section length. Default location shown. Consult factory for stem mounting suspension spacing and alternate locations.
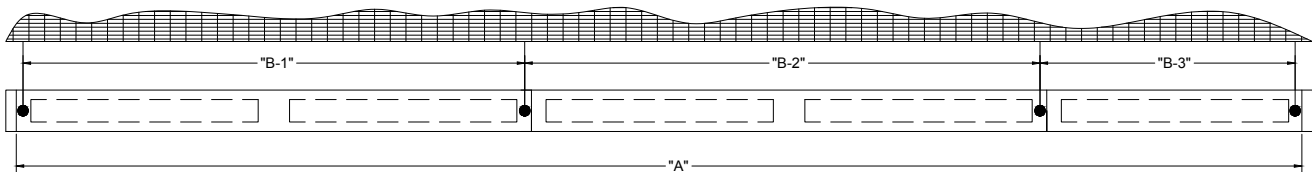

1FT INCREMENTS WITH A MINIMUM OF 4FT (EXCEPT 7 FT)

LEGEND:
A - Fixture Overall Length (excluding standard end caps on both ends).
B - Fixture Suspension Points center-to-center distance

RUN LAYOUT (MOUNTING)						
ORDERED LENGTH	"A" O.A.L.	"B-1"	"B-2"	STANDARD END CAP* (*including end caps on both sides)	SCULPTED END CAP* (*including end caps on both sides)	APPROX. WEIGHT
4' SECTION 4' SECTION	8'- 0" [2438 mm]	3'- 11 3/16" [1200 mm]	4'- 0" [1220 mm]	1 1/4" [31.8 mm]	8" [203.2 mm]	44 lbs [20 kg]
5' SECTION 4' SECTION	9'- 0" [2743 mm]	4'- 11 3/16" [1503 mm]	4'- 0" [1220 mm]	1 1/4" [31.8 mm]	8" [203.2 mm]	48 lbs [22 kg]
6' SECTION 5' SECTION	11'- 0" [3353mm]	5'- 11 3/16" [1808 mm]	5'- 0" [1524 mm]	1 1/4" [31.8 mm]	8" [203.2 mm]	55 lbs [25 kg]
8' SECTION 4' SECTION	12'- 0" [3658 mm]	7'- 11 3/16" [2418 mm]	4'- 0" [1220 mm]	1 1/4" [31.8 mm]	8" [203.2 mm]	60 lbs [27 kg]
8' SECTION 5' SECTION	13'- 0" [3962 mm]	7'- 11 3/16" [2418 mm]	5'- 0" [1524 mm]	1 1/4" [31.8 mm]	8" [203.2 mm]	64 lbs [29 kg]
10' SECTION 5' SECTION	15'- 0" [4572 mm]	9'- 11 3/16" [3027 mm]	5'- 0" [1524 mm]	1 1/4" [31.8 mm]	8" [203.2 mm]	70 lbs [32 kg]
8' SECTION 8' SECTION	16'- 0" [4877 mm]	7'- 11 3/16" [2418 mm]	8'- 0" [2438 mm]	1 1/4" [31.8 mm]	8" [203.2 mm]	76 lbs [35 kg]
10' SECTION 8' SECTION	18'- 0" [5486 mm]	9'- 11 3/16" [3027 mm]	8'- 0" [2438 mm]	1 1/4" [31.8 mm]	8" [203.2 mm]	82 lbs [37 kg]

"Beginning of run fixture's center to center support spacing will be 13/16" less than the nominal fixture section length. Refer to Individual Fixture table for specific dimensions"

1FT INCREMENTS WITH A MINIMUM OF 4FT (EXCEPT 7 FT)

LEGEND:
A - Fixture Overall Length (excluding standard end caps on both ends).
B - Fixture Suspension Points center-to-center distance

RUN LAYOUT (MOUNTING)							
ORDERED LENGTH	"A" O.A.L.	"B-1"	"B-2"	"B-3"	STANDARD END CAP* (*including end caps on both sides)	SCULPTED END CAP* (*including end caps on both sides)	APPROX. WEIGHT
10' SECTION 5' SECTION 4' SECTION	19'- 0" [5791 mm]	9'- 11 3/16" [3027 mm]	5'- 0" [1524 mm]	4'- 0" [1220 mm]	1 1/4" [31.8 mm]	8" [203.2 mm]	92 lbs [42 kg]
8' SECTION 8' SECTION 4' SECTION	20'- 0" [6096 mm]	7'- 11 3/16" [2418 mm]	8'- 0" [2438 mm]	4'- 0" [1220 mm]	1 1/4" [31.8 mm]	8" [203.2 mm]	98 lbs [45 kg]

"Beginning of run fixture's center to center support spacing will be 13/16" less than the nominal fixture section length. Refer to Individual Fixture table for specific dimensions"

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MOST COMMON MOUNTING TYPES AND OPTIONS Options available for this specific luminaire are checked in the boxes below.

Mounting Type

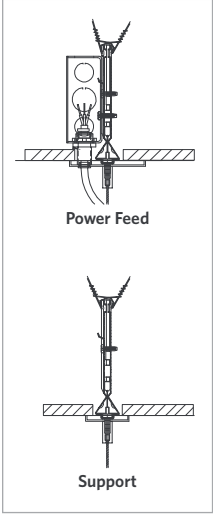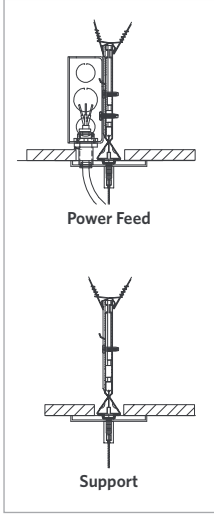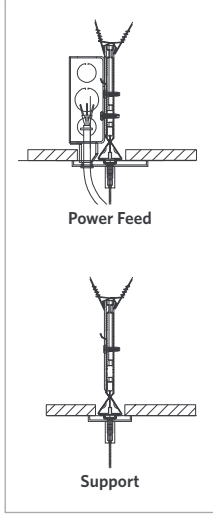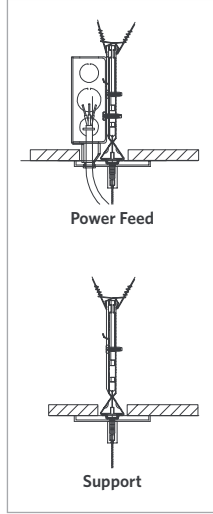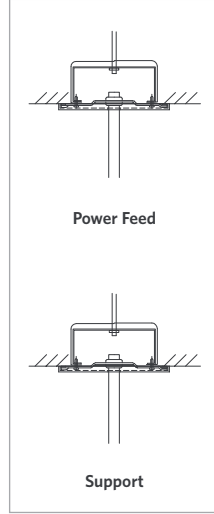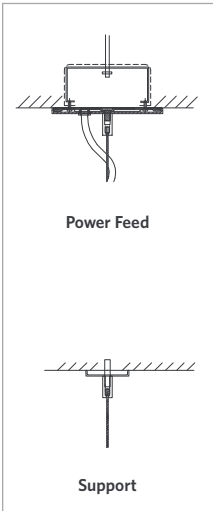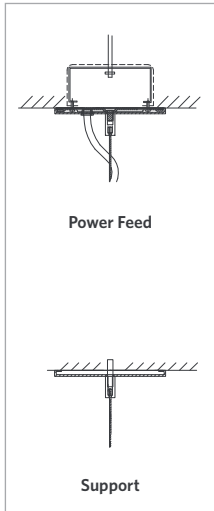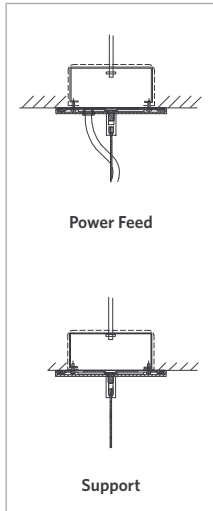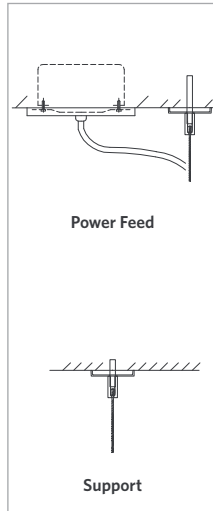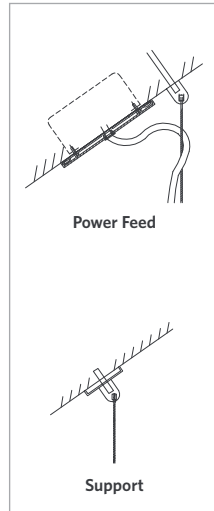**F1/** For use with most T-Bar and screw slot grid ceilings. Designed for on-grid and off-grid applications.

F2/ For use with recessed or surface mount horizontal J-box applications.

F3/ Stem mounting for use with recessed or surface mount horizontal J-box applications. *Check with local jurisdiction regarding rigid stem code requirements.*

F1A/ For use with most T-Bar and screw slot grid ceilings. Designed for on-grid and off-grid applications. *Comes complete with vertical J-box with built-in wire way. See also CP.*

Mounting Options

MCS Matching canopy at support for aesthetics.

MCSJ Matching canopy for J-box mounting at non-power feed support locations.

OJB Offset J-box at feed.

SLP OJB Sloped ceiling couplers and offset J-box option at feed.

For more detailed mounting drawings and information, see peerlesslighting.acuitybrands.com/resources/product-resources

☑ **Indicates mounting options available with this luminaire.**

☑ **F1/**

Power Feed

Support

☑ **F1/MCS**

Power Feed

Support

☑ **F1A/**

Power Feed

Support

☑ **F1A/MCS**

Power Feed

Support

☑ **F3/**

Power Feed

Support

☑ **F2/**

Power Feed

Support

☑ **F2/MCS**

Power Feed

Support

☑ **F2/MCSJ**

Power Feed

Support

☑ **F2/OJB**

Power Feed

Support

☑ **F2/SLP OJB**

Power Feed

Support

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Rev. 04/16/24

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BRM9L | LED | I/D or Direct | Suspended

INTEGRATED SENSOR LAYOUT

CORRECT:

32FT MSL8 RUN WITH 2 SENSORS WITH PRIMARY ZONE 24FT AND SECONDARY ZONE 8FT -- PDT24 SADC8

PRIMARY ZONE:
PDT24 (DUAL TECH SENSOR, 24FT ZONE)

SECONDARY ZONE:
SADC (DAYLIGHT SENSOR, 8FT ZONE)

32FT

32FT MSL8 RUN WITH 1 SENSOR ALL ONE ZONE -- ADC

PRIMARY ZONE:
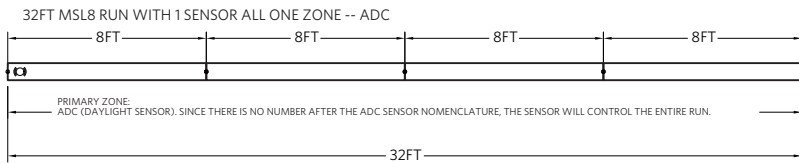ADC (DAYLIGHT SENSOR). SINCE THERE IS NO NUMBER AFTER THE ADC SENSOR NOMENCLATURE, THE SENSOR WILL CONTROL THE ENTIRE RUN.
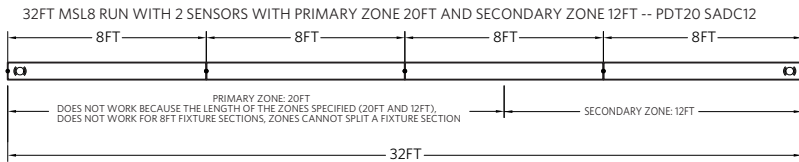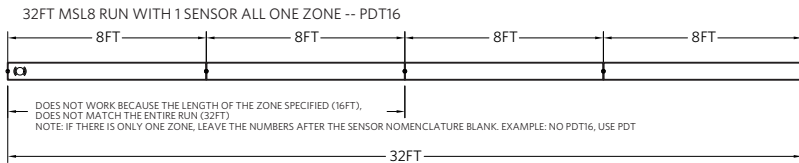
32FT
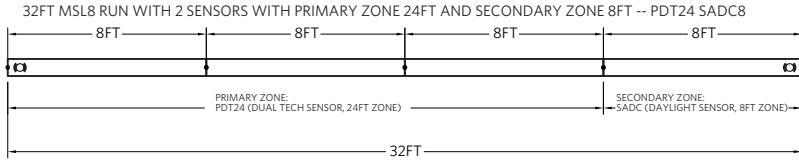
Notes:
- Only one sensor per zone
- At the most, the entire run can only have 2 sensors (thus 2 sensors zones at the most)
- Sensor zone can not split fixture sections
- No overlapping zones
- NLIGHT - Nio goes where the nlight power packs are - power packs are one per zone
- One nLight or NLTAIR2 device per zone or per sensor, for multiple zones without sensors contact factory

INCORRECT:

32FT MSL8 RUN WITH 1 SENSOR ALL ONE ZONE -- PDT16

DOES NOT WORK BECAUSE THE LENGTH OF THE ZONE SPECIFIED (16FT),
DOES NOT MATCH THE ENTIRE RUN (32FT)
NOTE: IF THERE IS ONLY ONE ZONE, LEAVE THE NUMBERS AFTER THE SENSOR NOMENCLATURE BLANK. EXAMPLE: NO PDT16, USE PDT

32FT

32FT MSL8 RUN WITH 2 SENSORS WITH PRIMARY ZONE 20FT AND SECONDARY ZONE 12FT -- PDT20 SADC12

PRIMARY ZONE: 20FT
DOES NOT WORK BECAUSE THE LENGTH OF THE ZONES SPECIFIED (20FT AND 12FT),
DOES NOT WORK FOR 8FT FIXTURE SECTIONS, ZONES CANNOT SPLIT A FIXTURE SECTION

SECONDARY ZONE: 12FT

32FT

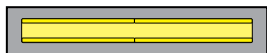## EMERGENCY LAYOUT (Both EC and E10WLCP)

 Lit LED board

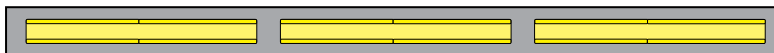 Unlit LED board

BRM9L U4

BRM9L U8

BRM9L U5*

BRM9L U10*

BRM9L U6*

BRM9L U12

*During Emergency mode the 5ft, 6ft, and 10ft luminaire sections will partially illuminate the aperture space per the diagram above

Peerless
Lighting for People®

Bruno LED Softshine®
BRM9L | LED | I/D or Direct | Suspended

Type:

Project:

INTELLIGENT LUMINAIRE TECHNOLOGY GUIDE

Choose nomenclature from these columns

Driver Configurations

Minimum Dimming Level		Control Input		Driver	Dimming Range	Notes
DARK	+	ZT	=	eldoLED SoloDrive	100% to .1%	Linear Dimming, supplied with leads for 0-10V control
DARK	+	NLIGHT	=	eldoLED SoloDrive	100% to .1%	Logarithmic Dimming, NEPS 60 IO EZ LC included with lumaire
DARK	+	DALI	=	eldoLED SoloDrive	100% to .1%	Logarithmic Dimming, DALI controls and power supply by others
DARK	+	NLTAIR2	=	eldoLED SoloDrive	100% to .1%	Logarithmic Dimming, internal DALI power supply included with lumaire
MIN1	+	ZT	=	eldoLED EcoDrive	100% to 1%	Linear Dimming, supplied with leads for 0-10V control
MIN1	+	NLIGHT	=	eldoLED EcoDrive	100% to 1%	Logarithmic Dimming, NEPS 60 IO EZ LC included with lumaire
MIN1	+	DALI	=	eldoLED SoloDrive	100% to 1%	Logarithmic Dimming, DALI controls and power supply by others
MIN1	+	NLTAIR2	=	eldoLED EcoDrive	100% to 1%	Logarithmic Dimming, internal DALI power supply included with lumaire

Control + Sensor Configurations

Control Input		Sensor		Sensor	Notes
ZT	+	ADC	=	SensorSwitch MSD EZ ADC	0-10V control Daylight Sensor
ZT	+	PDT	=	SensorSwitch MSD PDT 7 EZ	0-10V control Occupancy sensor
ZT	+	APDT	=	SensorSwitch MSD PDT 7 EZ ADC	0-10V control Daylight with Occupancy sensor
NLIGHT	+	ADC	=	SensorSwitch NES ADCX	nLight control Daylight Sensor
NLIGHT	+	PDT	=	SensorSwitch NES PDT 7	nLight control Occupancy sensor
NLIGHT	+	APDT	=	SensorSwitch NES PDT 7 ADCX	nLight control Daylight with Occupancy Sensor
NLTAIR2	+	RIO	=	SensorSwitch RIO EZDL 90D G2	nLight Air fixture embedded network interface
NLTAIR2	+	APIR	=	SensorSwitch RES7 G2	nLight Air PIR Daylight sensor
NLTAIR2	+	APDT	=	SensorSwitch RES7 PDT G2	nLight Air Dul Tech PIR/Microphonics Daylight sensor

Daylight harvesting deactivated by default and field programmed per sequence of operations.

Luminaires specified with nLight system networking ship with one RJ-45 connector integrated into the luminaire, 10' of Cat-5e cable and a splitter to control the entire luminaire row (depending on wattage/voltage limitations). For multiple zones, please contact TechSupport-Peerless@AcuityBrands.com.

1. All nLight wired devices with sensors use the NEPS 60IO EZLC N100.

2 . nLight with an emergency pack (E10WLCP) the driver and nLight to be wired to regular power.

nES ADCX	nES PDT 7	MSD EZ ADC	MSD PDT7	RES7 PDT

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Type:

Project:

OCCUPANCY DETECTION COVERAGE

At the 7.5 ft (2.9 m) hanging height of a typical pendant mount fixture the sensor provides 10 ft (3.05 m) radial detection of small motion. At a 9 ft (2.74 m) hanging height the radius is 12 ft (3.66 m) for small motion.

Adequate for walking motion detection from mounting heights between 7.5 ft (2.29 m) and 20 ft (6.10 m).

Initial detection will occur earlier when walking across sensor's field of view than when walking directly at sensor.

Initial detection of walking motion into long coverage segment will occur at distances of 2x the mounting height up to 15 ft (4.57 m) and 1.75x up to 20 ft (6.10 m). Lens assembly rotates 15° to enable adjustment in order to line up long segments.

Lens rotates 15° to enable adjustment

4.5	15
3.8	12.5
3	10
2.5	7
1.5	5
0.75	2.5
0 m	0 ft
0.75	2.5
1.5	5
2.5	7
3	10
3.8	12.5
4.5	15
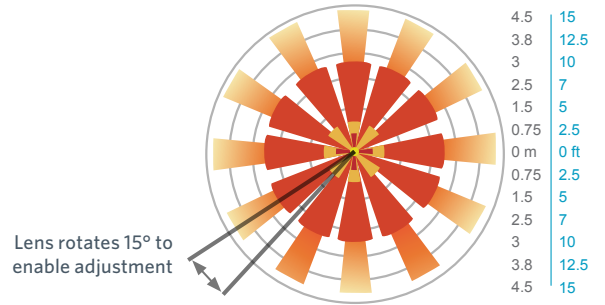
COMPATIBLE nLIGHT COMPONENTS WITH INTEGRATED CONTROLS

nPODMA DX WH   nPODMA 2P DX WH   nPODMA 4P DX WH   nPODMA 2L WH   nPOD Unitouch WH   rPODBA

Sensor Switch.com/DataSheets/nPODMA.PDF

Sensor Switch.com/DataSheets/
nPOD Unitouch.PDF

Sensor Switch/RPODBA

eldoLED COMPATIBILITY   For compatible dimmers & switches please see the EldoLED compatibility document

PeerlessLighting.com/eldoLED-compatibility