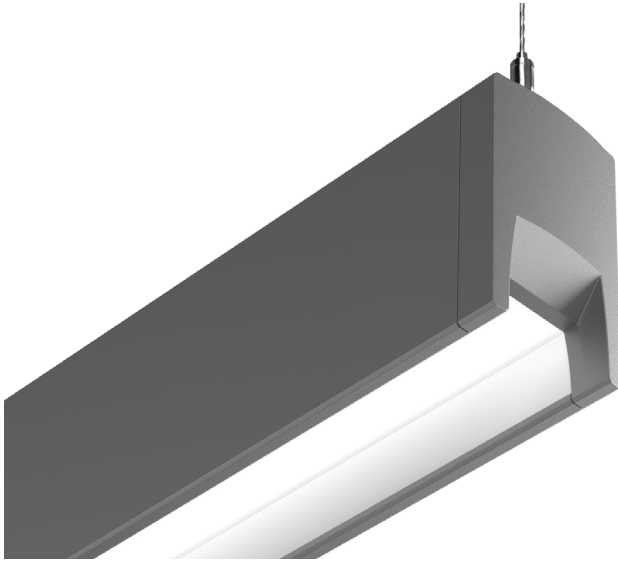




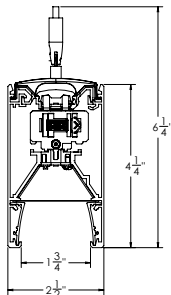
HIGHLIGHTS

- Total System Integration features 5-year limited warranty by Acuity Brands covering all components and construction
- 2', 3', 4', 6', & 8', individual sections. 1ft increments with combined linear lengths.
- Up-to 104ft of seamless uninterrupted lens
- Up to 155 lm/W
- High performance batwing distribution using extruded molded optic.
- Optional dual circuit switching for independent dimming of indirect and direct light outputs.
- Reflective trims are available with smooth or ribbed texture.
- Trims can be finished with matte paint or anodized colors
- In-fixture flicker free dimming to 0.1%
- Optional Modulus power and control architecture with integrated digital nLight module for system networking
- Self balancing and horizontally adjustable mounting bridge
- Square or Sculpted end caps
- White, black, painted aluminum or custom color
- UGR data available on Page 4

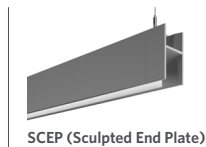
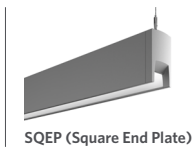


DIMENSIONS

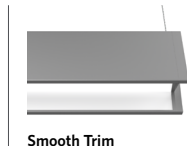
PRM2ID



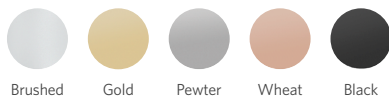
DETAILS



TRIM OPTIONS



TRIM COLOR OPTIONS



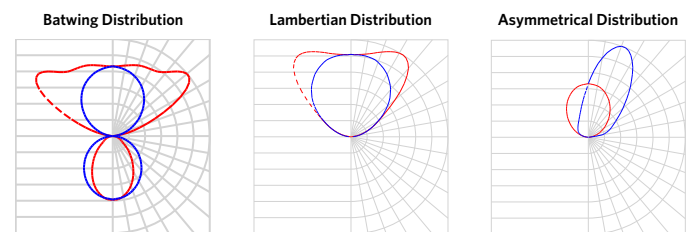
LUMEN PACKAGES

Based on 80CRI @ 3500K with MDLS and SMMW Trim. Additional outputs and color temperatures available.

Indirect LED Output / Direct LED Output	I300LMF / 300LMF	I600LMF / 500LMF	I900LMF / 700LMF	I1200LMF / 1000LMF
Indirect Delivered Lumens Per Foot / Direct Delivered Lumens Per Foot	299/304	518/514	829/723	1243/1031
Total Delivered Lumens Per Foot	603	1032	1552	2275
Input Watts Per Foot	4.5	8.0	11.9	17.4
Lumens Per Watt	135	129	129	130

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

DISTRIBUTION



CUSTOMIZATION

Ask us about the following possibilities: Additional distributions, additional mounting options, custom colors, and other modifications.

MODEL NUMBER Example: PRM2ID LLP 24FT MSL8 80CRI 35K I600LMF 700LMF RBBR INTG MINI ZT 120 SCT F1/96A C202 SQEP

Luminaire	Linear Length Plan	Total Run Length	Maximum Section Length	LED Color Rendering	LED Color Temperature	Indirect LED Output	Indirect Distribution
PRM2ID	LCB Longest Center Balanced LLP Linear longest possible LSL Longest same length	___FT Indicate Luminaire Row Length in 1' increments. Ex: 26FT *To order Individual fixtures, match xFT to MSLx (e.g., 4FT MSL4). Individuals are available in 2, 3, 4, 6, and 8ft. MSL2 and MSL3 only valid for 2FT and 3FT runs. MSL4 only valid up to 20FT *For runs longer than 8FT: ALWAYS order the run by the TOTAL RUN LENGTH. Ordering the sections individually will not provide the correct joining hardware to allow connection in the field.	MSL2¹ 2' Section(s) MSL3² 3' Section(s) MSL4³ 4' Section(s) MSL6 6' Section(s) MSL8 8' Section(s) 1. MSL2 only available for 2FT MSL2 2. MSL3 only available for 3FT MSL3 3. MSL4 not valid on runs greater than 20FT	80CRI 80+ CRI 90CRI 90+ CRI	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	I300LMF 300 Nominal lumens per foot I600LMF 600 Nominal lumens per foot I900LMF 900 Nominal lumens per foot I1500LMF¹ 1500 Nominal Lumens per foot 1. Not available with MDLS *Available in 100 lumen increments between min of I300LMF & max of I1500LMF **Nominal distribution. Refer to photometric tests for exact distribution	(blank) Batwing Distribution LB Lambertian Distribution AS Asymmetrical Distribution

Direct LED Output	Trim	Driver Type	Minimum Dimming Level	Control Input
200LMF 200 Nominal lumens per foot 500LMF 500 Nominal lumens per foot 700LMF 700 Nominal lumens per foot 1000LMF 1000 Nominal lumens per foot *Available in 100 lumen increments between min of 200LMF & max of 1000LMF **Nominal distribution. Refer to photometric tests for exact distribution	(Matte Colors) RBMW Ribbed White SMMW Smooth White RBMW Ribbed Black SMMW Smooth Black (Anodized Colors) RBBR Ribbed Brushed SMBR Smooth Brushed RBLK Ribbed Black SMBL Smooth Black RBGLD Ribbed Gold SMGLD Smooth Gold RBPWT Ribbed Pewter SMPWT Smooth Pewter RBWHT Ribbed Wheat SMWHT Smooth Wheat	INTG¹ Integral AC Driver MDLS² Modulus 1. INTG available with ZT only 2. Low - voltage DC drivers. Includes remote head unit with DC power supply and controls adapters	DARK¹ Constant current, dimming to < 1% MIN1 Constant Current dimming to 1% 1. DARK available with MDLS only	ZT¹ 0-10V NLIGHT^{2,4} nLight enabled DALI^{3,4} DALI enabled NLTAIR^{2,4} nLight AIR enabled ECOI⁴ Lutron Ecosystem Interface 1. 0-10V will use linear dimming curve 2. Will use logarithmic dimming curve 3. Will use logarithmic dimming curve 4. Available with MDLS only

Voltage	Wiring Option	Emergency Options	Primary Zone	Secondary Zone	Tertiary Zone
120 120V 277 277V 347^{1,3} 347V MVOLT² 120V-277V 1. 347 not available with ECOI, EC, E35INV, E50INV, ECZ, WECZ, WEC. Available with F1 or F1A mounting only. 2. MVOLT not available with E35INV or E50INV 3. 347V with INTG Driver will have (1) J-box mount step down transformer per section	SCT Single circuit DCT¹ Dual circuit 1. Not available with NLTAIR2 or ECOI	(Blank) None _EC¹ Emergency circuit module E35INV¹ 35W Emergency Micro Inverter E50INV^{1,3} 50W Emergency Micro Inverter _ECZ² Zoned Emergency WECZ² Whole run on EC circuit WEC¹ Whole run on EC circuit 1. Available with MDLS only 2. Available with INTG only 3. (Not California Title 20 (T20) Compliant.)	(blank) Select if single zone NS_¹ Select if multi-zones required, call out length of zone in feet. Zone length must match whole fixture lengths, zones cannot end mid-fixture. 1. Not available with NLTAIR2. If NS require SNS For multiple zones with NLTAIR2, order ZT fixtures with external NLTAIR2 controls (e.g., rPP20)	(blank) Select if single zone SNS_¹ Select if secondary zone is required, call out length of zone in feet. Zone length must match whole fixture lengths, zones cannot end mid-fixture. 1. Not available with NLTAIR2 or ECOI	(blank) Select if single zone TNS_¹ Select if tertiary zone is required, call out length of zone in feet. Zone length must match whole fixture lengths, zones cannot end mid-fixture. 1. Not available with NLTAIR2 or ECOI

Mounting Type/	Overall Suspension	Color	End Caps	Options
F1/^{1,3,4} T-bar ceiling (universal mounting bracket) F1A/^{1,3,4} T-bar ceiling (universal mounting bracket) with integrated J-box) F2/^{2,3,4} Hard ceiling (horizontal J-box) 1. F1 & F1A Mount uses standard 3 1/2" canopy on feed and 2" canopy on support 2. F2 Mount uses standard 5" canopy on feed and 2" canopy on support 3. All feed cords, cord managers and canopies are standard white. They are not painted to match fixture color. 4. BLK is an available option	24A 24" adjustable 48A 48" adjustable 96A 96" adjustable 144A 144" adjustable Measured from ceiling to bottom of luminaire.	C210 Textured White C202 Textured Black C110 Painted Aluminum C099¹ Custom color RALTB² RAL Paint Finishes 1. 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) 2. RALTB 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)	SCEP Sculpted End Caps SQEP Square End Caps	BLK¹ Black cord, cord manager and canopy CP² Chicago Plenum MCS³ Matching Canopy at support for aesthetics MCSJ^{3,4} Matching canopy for J-box mounting at non-power feed support locations OJB^{3,5} Offset J-box at feed SLP⁶ Sloped Ceiling 1. BLK not available with nLight 2. Available with F1A only 3. MCS or MCSJ cannot be chosen with OJB 4. MCSJ available with F2 Mount only 5. OJB available with F2 Mount only 6. When SLP is chosen need to choose F2 mount and OJB

For additional information on Modulus head unit and emergency options, reference [Modulus spec](#).

SPECIFICATIONS

Housing

Extruded outer and inner aluminum housing for light weight rigidity and support.

End Plates

Die-cast aluminum end caps are mechanically attached with no exposed fasteners. Choose between Square & Sculpted end caps options

Color

Standard colors are textured white, textured black, and painted aluminum. Consult factory for customer colors and RAL color options.

Luminaire Length

2', 3', 4', 6', and 8', lengths in a single with adjustable mounting positioning. For total length, add 0.875" for each square end cap, and 2" for each sculpted end cap.

Source

Multiple lumen packages available with 2700K, 3000K, 3500K, 4000K, 5000K CCT all within a 2.5 step MacAdam Ellipse.

Optics

Direct optical system is a open aperture design with a seamless continuous regressed lens.

Indirect options use an over-molded optical lens to create a wide batwing distribution.

Mounting Bridge

The mounting bridge is self-balancing and allows for 18 inches of horizontal adjustment along the channel of the housing. To position the mounting bridge, slide the bridge along the channel of the housing. Once in position, use the two set screws provided in the feed and support kit to secure it into place.

Dimming Driver

Factory-tuned constant current electronic dimming driver is standard. Flicker-free dimming available down to <1%. LED drivers perform within the recommended operating areas for flicker as a function of frequency and modulation (%) 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. Electrical specifications at maximum driver load: PF > 0.9 and THD <20%. Meets FCC Title 47 Class A or Class B.

Modulus Remote Power and Control System

Remote power source provides "natural dimming" with smooth, continuous and flicker-free dimming to dark (0.1%). Syncing for controls: 2mA max.

THD: <10%. Insignificant inrush current at 120 and 277VAC. FCC Class A and B tested for EMI and RFI. When NLIGHT or DALI is specified driver will be set for logarithmic dimming curve. If control Input of 0-10V is specified driver will be set for linear dimming curve.

Integrated digital nLight® module enables up to 16 Modulus zones via CAT-5e, when nLight® is selected. The Modulus™ head unit outputs a maximum of 10mA into the nLight® bus. For daylight dimming and/or dual technology detection, see Controls page for external sensor options.

Each modulus head unit utilizes 22 device addresses. Tunable White head units consume 14 device addresses.

Electrical

LED light engine — consisting of modular LED boards and dimming driver — is rated for 60,000 hours (L80) at 25° C ambient temperature. Pre-wired with 18AWG fixture wire. Fixture-to-fixture electrical and mechanical connections within a continuous run are made by a Patent Pending blind-mate connector and joiner. Connections are made at the same time as the mechanical joint is fastened, hard wire connections will be made at canopies or head units.

Environment

Suitable for damp location.

Validation

cULus listed. Tested to UL2108 Standards. LM-79 tested. Individual sections meet FCC Part 15 requirements.

Packaging

Recycled cardboard box and inserts. Biodegradable, protective luminaire bag. Recycled kraft paper tape.

Fixture Weights

Approximately 4-6 lbs per foot less packaging for base fixture.

Warranty

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. 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.

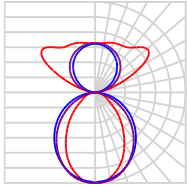
A+ Capable Luminaire

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 when used with Acuity Brands controls products.

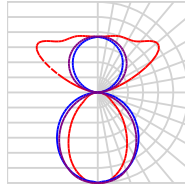
All configurations of this luminaire are calibrated and tested to meet the Acuity Brand's specification for chromatic consistency - including color rendering, color fidelity and color temperature tolerance around standard CIE chromaticity coordinates.

To learn more about Acuity A+ standards, specifications, and testing, visit www.acuitybrands.com/aplus.

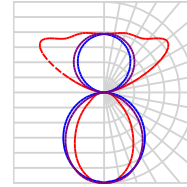
FIXTURE PERFORMANCE DATA



Test Report: ISF 24106-24107P8327
PRM2ID 4FT 80CRI 35K
I600LMF 500LMF SMMW
MDLS
129 Lm/W
1032 Delivered lumens per foot



Test Report: ISF 24106-24107P8394
PRM2ID 4FT 80CRI 35K
I900LMF 700LMF SMMW
MDLS
129 Lm/W
1552 Delivered lumens per foot



Test Report: ISF 24106-24107P8463
PRM2ID 4FT 80CRI 35K
I1200LMF 1000LMF SMMW
MDLS
130 Lm/W
2275 Delivered lumens per foot

TRIM SCALING CHART

TRIM Finishes	Scale Factor
Smooth 2" Family	
SMMW	1
SMGLD	0.87
SMPWT	0.82
SMBLK	0.68
SMMBLK	0.68
SMWHT	0.84
SMBR	0.86

TRIM Finishes	Scale Factor
Ribbed 2" Family	
RBMW	1
RBGLD	0.85
RBPWT	0.79
RDBLK	0.67
RDBMLK	0.67
RBWHT	0.78
RBBR	0.84

PROJECTED LED LUMEN MAINTENANCE

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factory	1	0.95	0.91	0.83

CCT SCALING CHART

CCT	CRI	MULTIPLIER
27K	80CRI	0.94
30K	80CRI	0.97
35K	80CRI	1
40K	80CRI	1.01
50K	80CRI	1.03
27K	90CRI	0.79
30K	90CRI	0.81
35K	90CRI	0.83
40K	90CRI	0.84
50K	90CRI	0.89

*Lumen scaling charts can be used to approximate the lumen values at different Kelvin temperatures, color rendering indices, optics or shielding.
Example: Calculating the lumen change from PRM2ID 4FT 80CRI 35K I700LMF 300LMF to 80CRI 40K = 3706.6 Lumens x 1.01 multiplier = 3670 Lumens

R9 VALUES CHART

R9 Values		
27K	90CRI	57.04
30K	90CRI	54.6
35K	90CRI	55
40K	90CRI	61.65
50K	90CRI	56.2

UGR CHART

Direct Lumen Package	UGR (70% 50% 20% reflectance using a 4H x 8H room size)							
	Crosswise				Endwise			
	RBMW	SMBR	SMMW	RBBR	RBMW	SMBR	SMMW	RBBR
200LMF	5.5	4	5.5	3.7	3.8	0	3.8	2.8
300LMF	8	6.5	8	6.3	6.3	2.3	6.3	5.3
400LMF	10	8.4	10	8.2	8.3	4.3	8.2	7.3
500LMF	11.5	9.9	11.5	9.7	9.8	5.8	9.7	8.8
600LMF	12.7	11.1	12.6	10.9	11	7	10.9	10
700LMF	13.8	12.2	13.6	11.9	12	8	11.9	11
800LMF	14.5	13	14.5	12.8	12.8	8.9	12.7	11.8
900LMF	15.2	13.7	15.2	13.5	13.5	9.6	13.5	12.6
1000LMF	15.9	14.4	15.8	14.2	14.2	10.3	14.1	13.2

*UGR varies based on luminaire options and is affected by application dependent parameters. Numbers depicted here are considered "Luminaire-UGR" and/or "Point-UGR" values. To determine a more precise maximum UGR value ("Application-UGR"), a full lighting design layout should be completed with the selected luminaire configuration for each application.

**Click here for more information on [UGR FAQ](#)

UGR MULTIPLIER CHART	
Indirect Lumens	Scale Factor
I300LMF	1.64
I400LMF	1.63
I500LMF	1.53
I600LMF	1.43
I700LMF	1.37
I800LMF	1.30
I900LMF	1.25
I1000LMF	1.19
I1100LMF	1.11
I1200LMF	1.07
I1300LMF	1.03
I1400LMF	1.00

HEAD UNIT RUN LENGTH CHART (MDLS)

MDLS - DK320P	Direct Lumen Output	Max PRMx Feet per 320W head unit													
		Indirect Lumen Output													
		0	I300LMF	I400LMF	I500LMF	I600LMF	I700LMF	I800LMF	I900LMF	I1000LMF	I1100LMF	I1200LMF	I1300LMF	I1400LMF	
		200LMF	64	64	56	48	44	40	36	32	32	28	28	24	24
		300LMF	64	64	56	48	44	40	36	32	32	28	28	24	24
		400LMF	64	52	48	44	40	36	32	32	28	28	24	24	20
		500LMF	64	48	40	36	36	32	28	28	24	24	24	20	20
		600LMF	56	40	36	32	32	28	28	24	24	24	20	20	20
		700LMF	48	36	32	32	28	28	24	24	20	20	20	20	16
		800LMF	40	32	28	28	24	24	24	20	20	20	20	16	16
900LMF	36	28	28	24	24	24	20	20	20	16	16	16	16		
1000LMF	32	24	24	24	20	20	20	20	16	16	16	16	16		
MDLS - DK75P	Direct Lumen Output	Max PRMx Feet/75W head unit, PRMx													
		Indirect Lumen Output													
		0	I300LMF	I400LMF	I500LMF	I600LMF	I700LMF	I800LMF	I900LMF	I1000LMF	I1100LMF	I1200LMF	I1300LMF	I1400LMF	
		200LMF	27	15	13	12	10	9	9	8	7	7	6	6	5
		300LMF	27	15	13	12	10	9	9	8	7	7	6	6	5
		400LMF	20	13	11	10	9	8	8	7	7	6	6	5	5
		500LMF	16	11	10	9	8	8	7	6	6	6	5	5	5
		600LMF	13	9	9	8	7	7	6	6	6	5	5	5	4
		700LMF	11	8	8	7	7	6	6	5	5	5	5	4	4
		800LMF	10	7	7	6	6	6	5	5	5	4	4	4	4
900LMF	8	7	6	6	5	5	5	5	4	4	4	4	4		
1000LMF	7	6	6	5	5	5	5	4	4	4	4	4	3		
MDLS - DK320P + E35INV	Direct Lumen Output	Max PRMx Feet per DK320P E35INV head unit (4ft increments, limits inverter load to 30W max)													
		Indirect Lumen Output													
		0	I300LMF	I400LMF	I500LMF	I600LMF	I700LMF	I800LMF	I900LMF	I1000LMF	I1100LMF	I1200LMF	I1300LMF	I1400LMF	
		200LMF	40	28	24	24	20	20	16	16	16	16	12	12	12
		300LMF	40	28	24	24	20	20	16	16	16	16	12	12	12
		400LMF	32	24	20	20	20	16	16	16	16	12	12	12	12
		500LMF	28	20	20	20	16	16	16	16	12	12	12	12	12
		600LMF	24	20	16	16	16	16	12	12	12	12	12	12	12
		700LMF	24	16	16	16	16	12	12	12	12	12	12	12	12
		800LMF	20	16	16	16	12	12	12	12	12	12	8	8	8
900LMF	20	16	12	12	12	12	12	12	12	8	8	8	8		
1000LMF	16	12	12	12	12	12	12	12	12	8	8	8	8		
MDLS - DK320P + E50INV	Direct Lumen Output	Max PRMx Feet per DK320P E50INV head unit (limits inverter load to 43.5W max)													
		Indirect Lumen Output													
		0	I300LMF	I400LMF	I500LMF	I600LMF	I700LMF	I800LMF	I900LMF	I1000LMF	I1100LMF	I1200LMF	I1300LMF	I1400LMF	
		200LMF	64	44	40	36	36	32	28	28	24	24	24	24	20
		300LMF	64	44	40	36	36	32	28	28	24	24	24	24	20
		400LMF	52	40	36	32	32	28	28	24	24	24	24	20	20
		500LMF	48	36	32	32	28	28	24	24	24	20	20	20	20
		600LMF	40	32	28	28	28	24	24	24	20	20	20	20	20
		700LMF	36	28	28	24	24	24	24	20	20	20	20	20	16
		800LMF	32	28	24	24	24	20	20	20	20	16	16	16	16
900LMF	28	24	24	24	20	20	20	20	20	16	16	16	16		
1000LMF	28	24	24	20	20	20	20	20	16	16	16	16	16		

RUN LENGTH PER LINE-VOLTAGE FEED CHART (INTG)

INTG 120V	Direct Lumen Output	Max Feet Per Feed PRMx INTG (120V or MVOLT)														
		Indirect Lumen Output														
			0	I300LMF	I400LMF	I500LMF	I600LMF	I700LMF	I800LMF	I900LMF	I1000LMF	I1100LMF	I1200LMF	I1300LMF	I1400LMF	I1500LMF
		200LMF	240	136	120	108	96	88	80	68	64	60	56	52	48	48
		300LMF	240	136	120	108	96	88	80	68	64	60	56	52	48	48
		400LMF	184	116	104	92	84	80	72	60	60	56	52	48	48	44
		500LMF	148	100	92	84	76	72	68	56	56	52	48	48	44	40
		600LMF	124	88	80	76	72	64	60	52	52	48	44	44	40	40
		700LMF	92	72	68	64	60	56	52	48	44	44	40	40	36	36
		800LMF	84	64	60	56	56	52	48	44	40	40	40	36	36	32
900LMF	72	60	56	52	52	48	44	40	40	36	36	36	32	32		
1000LMF	68	56	52	48	48	44	44	40	36	36	36	32	32	32		

INTG 277V	Direct Lumen Output	Max Feet Per Feed PRMx INTG (277V)														
		Indirect Lumen Output														
			0	I300LMF	I400LMF	I500LMF	I600LMF	I700LMF	I800LMF	I900LMF	I1000LMF	I1100LMF	I1200LMF	I1300LMF	I1400LMF	I1500LMF
		200LMF	468	268	232	208	204	184	168	144	136	128	120	112	104	100
		300LMF	468	268	232	208	204	184	168	144	136	128	120	112	104	100
		400LMF	396	240	216	192	188	172	160	136	128	120	116	108	100	96
		500LMF	324	212	192	172	168	156	144	128	120	112	108	100	96	92
		600LMF	268	184	168	156	152	140	132	116	112	104	100	96	88	84
		700LMF	208	156	144	132	132	124	116	104	100	96	88	84	80	80
		800LMF	184	140	132	124	120	112	108	96	92	88	84	80	76	76
900LMF	160	128	120	112	112	104	100	92	88	84	80	76	72	72		
1000LMF	144	116	108	104	104	96	92	84	80	80	76	72	68	68		

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

Mounting Type

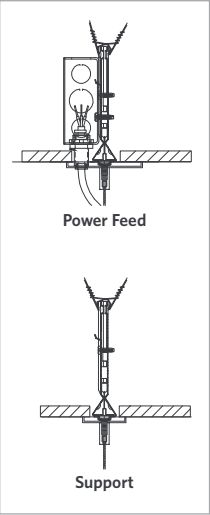
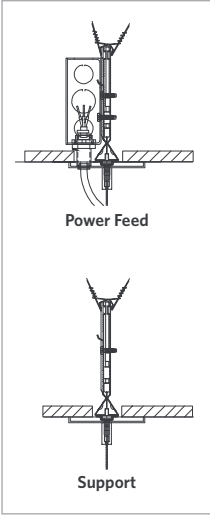
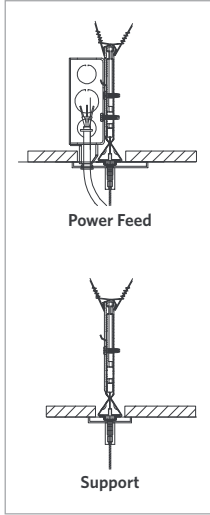
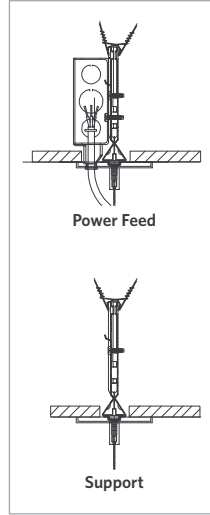
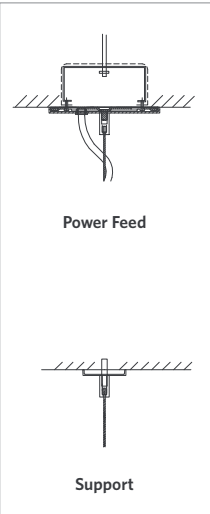
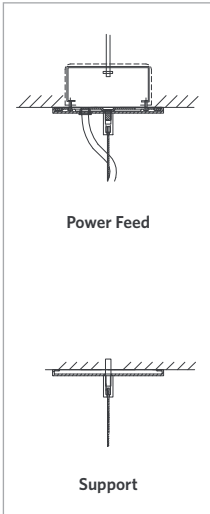
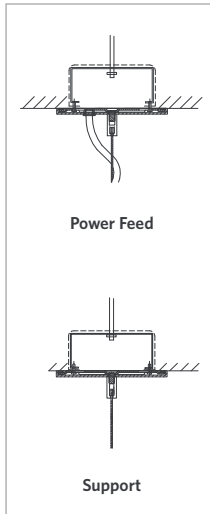
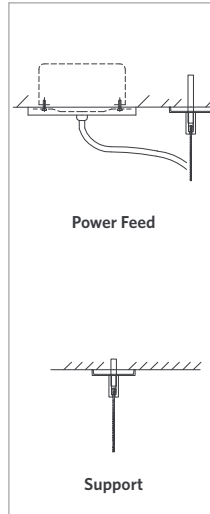
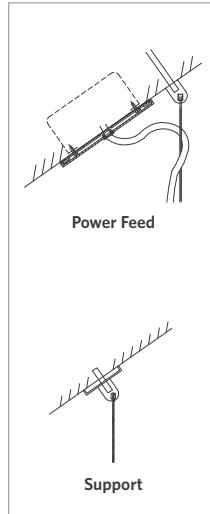
- F1/** For use with most T-Bar and screw slot grid ceilings. Designed for on-grid and off-grid applications.
- F2/** For use with recessed or surface-mount horizontal J-box applications.
- F1A/** For use with most T-Bar and screw slot grid ceilings. Designed for on-grid and off-grid applications. *Comes complete with vertical J-box with built-in wire way. See also CP.*

To see more, see the [Hanging Hardware Selection Guide](#).

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.

✓ 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	
✓ 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

LINEAR PLAN:

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

LCB- Linear Center Balanced:

This configuration incorporates the longest center segment(s) along with any additional lengths required to fill the run length, added to the run ends. Example: 16 FT run would have 2, 4 FT segments (one at each end) and 1, 8 FT segment in the center.

LCB	4 FT	8 FT	4 FT
-----	------	------	------

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 2, 8 FT segment and 1, 4 FT segment at the end of the run.

LLP	8 FT	8 FT	4 FT
-----	------	------	------

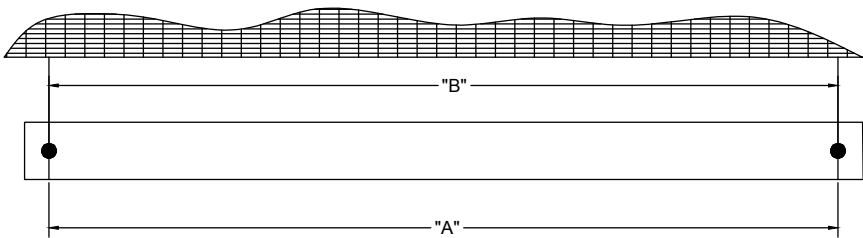
LSL- Linear Same Length:

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
-----	-----	-----	-----	-----	-----

WEIGHTS & SUPPORT SPACING

Suspension spacing equals section length. Default location shown.

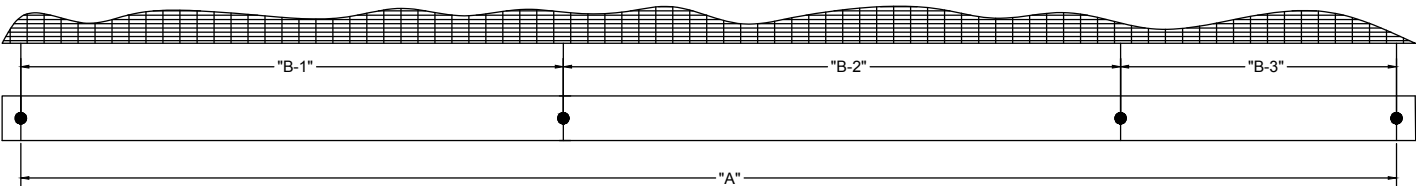


LEGEND:
A - Luminaire Length (excluding end caps on both ends).
B - Luminaire Suspension Points center-to-center distance

INDIVIDUAL FIXTURES (MOUNTING)					
ORDERED LENGTH	"A"	"B"	SCEP END CAP* (*including end caps on both sides)	SQEP END CAP* (*including end caps on both sides)	APPROX. WEIGHT
2FT	2'- 0" [610 mm]	2'- 0" [610 mm]	4" [102mm]	1 3/4" [44mm]	10 lbs [05 kg]
3FT	3'- 0" [915 mm]	3'- 0" [915 mm]	4" [102mm]	1 3/4" [44mm]	14 lbs [07 kg]
4FT	4'- 0" [1220 mm]	4'- 0" [1220 mm]	4" [102mm]	1 3/4" [44mm]	18 lbs [08 kg]
6FT	6'- 0" [1828 mm]	6'- 0" [1828 mm]	4" [102mm]	1 3/4" [44mm]	25 lbs [12 kg]
8FT	8'- 0" [2438 mm]	8'- 0" [2438 mm]	4" [102mm]	1 3/4" [44mm]	33 lbs [15 kg]

WEIGHTS & SUPPORT SPACING (Continued)

Suspension spacing equals section length. Default location shown.

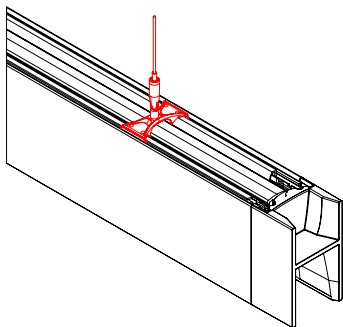


LEGEND:
A - Luminaire Length (excluding end caps on both ends).
B - Luminaire Suspension Points center-to-center distance

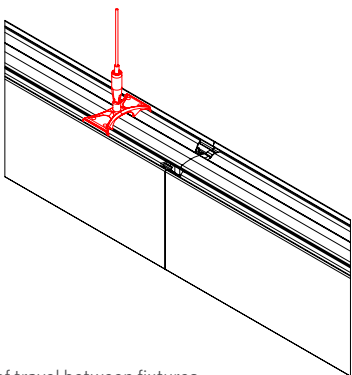
RUN LAYOUT (MOUNTING) EXAMPLES							
ORDERED LENGTH	"A"	"B-1"	"B-2"	"B-3"	SCEP END CAP* (*including end caps on both sides)	SQEP END CAP* (*including end caps on both sides)	APPROX. WEIGHT
4' SECTION 4' SECTION	8'- 0" [2438 mm]	4'- 0" [1220 mm]	4'- 0" [1220 mm]	N/A	4" [102mm]	1 3/4" [44mm]	37 lbs [17 kg]
6' SECTION 4' SECTION	10'- 0" [3048 mm]	6'- 0" [1828 mm]	4'- 0" [1220 mm]	N/A	4" [102mm]	1 3/4" [44mm]	45 lbs [20 kg]
8' SECTION 4' SECTION	12'- 0" [3657 mm]	8'- 0" [2438 mm]	4'- 0" [1220 mm]	N/A	4" [102mm]	1 3/4" [44mm]	52 lbs [24 kg]
6' SECTION 6' SECTION	12'- 0" [3657 mm]	6'- 0" [1828 mm]	6'- 0" [1828 mm]	N/A	4" [102mm]	1 3/4" [44mm]	52 lbs [24 kg]
8' SECTION 6' SECTION	14'- 0" [4267 mm]	8'- 0" [2438 mm]	6'- 0" [1828 mm]	N/A	4" [102mm]	1 3/4" [44mm]	60 lbs [27 kg]
8' SECTION 8' SECTION	16'- 0" [4877 mm]	8'- 0" [2438 mm]	8'- 0" [2438 mm]	N/A	4" [102mm]	1 3/4" [44mm]	67 lbs [30 kg]
8' SECTION 8' SECTION 4' SECTION	20'- 0" [6096 mm]	8'- 0" [2438 mm]	8'- 0" [2438 mm]	4'- 0" [1220 mm]	4" [102mm]	1 3/4" [44mm]	85 lbs [39 kg]

VARIABLE MOUNTING POINTS

End of Run



Mid Run



Note: Prim allows the installer the ability to avoid obstructions with up to 36" of travel between fixtures and 18" of travel at the start or end of the run. Consult factory if adjustable feed location is required.

INTELLIGENT LUMINAIRE TECHNOLOGY GUIDE

Choose nomenclature from these columns						Driver Configurations	Notes
Driver Type	Minimum Dimming Level		Control Input		Driver Type	Dimming Range	
MDLS	MIN1	+	DALI	=	eldoLED DCDC DUALdrive	100 to 1%	
MDLS	MIN1	+	ZT	=	eldoLED DCDC DUALdrive	100 to 1%	
MDLS	MIN1	+	NLIGHT	=	eldoLED DCDC DUALdrive	100 to 1%	
MDLS	MIN1	+	NLTAIR2	=	eldoLED DCDC DUALdrive	100 to 1%	
MDLS	MIN1	+	ECO1	=	eldoLED DCDC DUALdrive	100 to 1%	
MDLS	DARK	+	DALI	=	eldoLED DCDC DUALdrive	100 to 0.1%	
MDLS	DARK	+	ZT	=	eldoLED DCDC DUALdrive	100 to 0.1%	
MDLS	DARK	+	NLIGHT	=	eldoLED DCDC DUALdrive	100 to 0.1%	
MDLS	DARK	+	NLTAIR2	=	eldoLED DCDC DUALdrive	100 to 0.1%	Logarithmic Dimming, rIO EZDL in head unit with external antenna
INTG	MIN1	+	ZT	=	1% dimming integral AC driver	100 to 1%	Linear Dimming, 0-10V controls and power supply supplied by others Select this option for: - Single-circuit 0-10V applications with up to 2 zones of control - Dual-circuit 0-10V applications with 1 zone of control - Non-dimming installations - On/off operation via switched line voltage (relay or wall switch) - Use with nLight or nLight Air power packs

UL924 Sequence of Operation

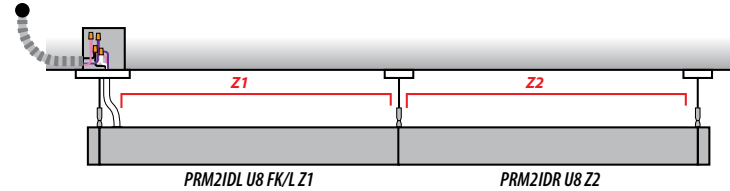
The below information applies to all nLight AIR devices with an EM option.

- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

ZONING AND CONTROLS

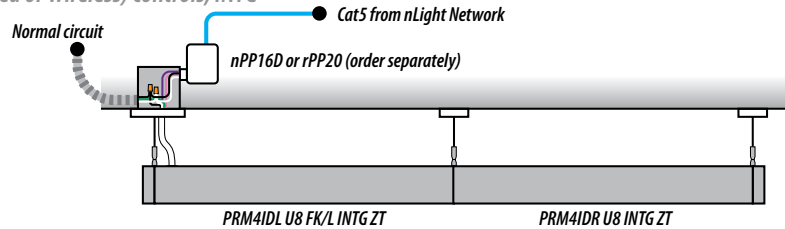
Two Zones, INTG and SCT

Normal circuit with 2x switched legs + 2x 0-10V



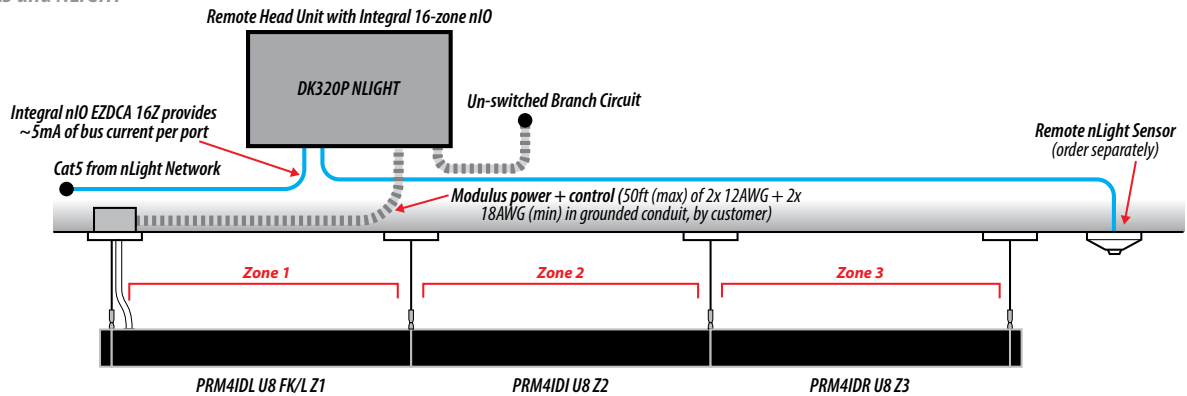
PRM2ID 16FT MSL8 INTG ZT SCT 8NS 8SNS
Up to 2 zones of 0-10V and switching control from a single INTG feed

External nLight (wired or wireless) controls, INTG



PRM4ID 16FT MSL8 INTG ZT SCT
Order INTG ZT fixtures for use with external controls

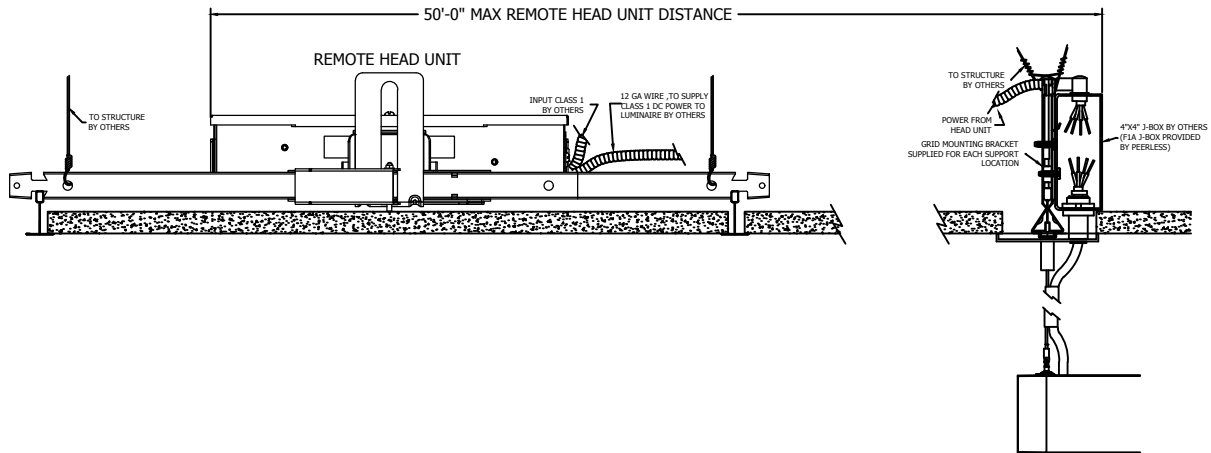
MDLS and NLIGHT



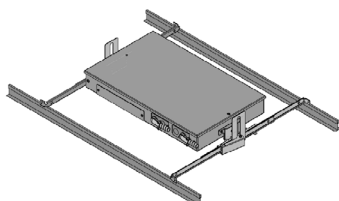
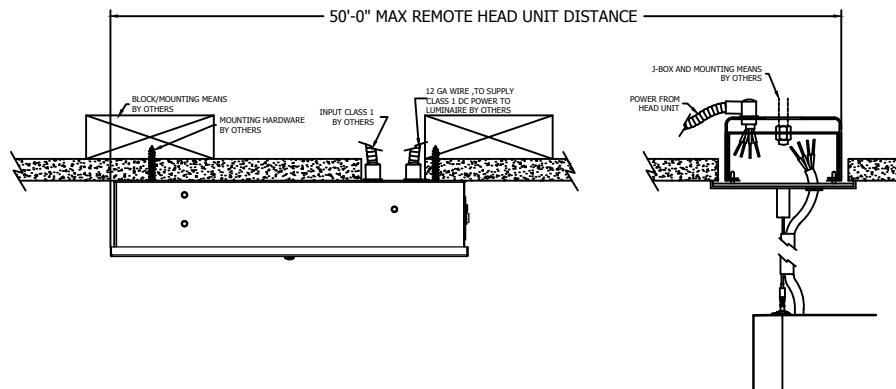
PRM4ID 24FT MSL8 I500LMF 500LMF...MDLS NLIGHT 8NS 8SNS 8TNS
Up to 16 zones of control from a single head unit with Sensorview field commissioning

REMOTE HEAD UNITS

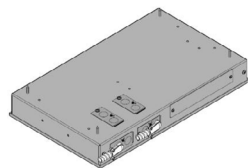
F1 MOUNTING DETAILS



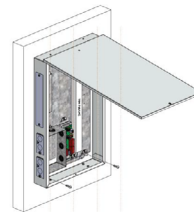
F2 MOUNTING DETAILS



F1 GRID MOUNT
(Unpainted)



F2 CEILING MOUNT
(Painted to match fixture housing)



F2 WALL MOUNT
(Painted to match fixture housing)

See [Modulus head unit page](#)

REMOTE HEAD UNITS

Control Types and Available Zones per Head Unit					
Control Type	Max addressable zones	nLight devices	Maz sensors	nLight devices consumed with max sensors	Fixture zoning method
NLIGHT	16	17	5	22	Field programmed - Sensorview
DALI*	16	-	0	-	Field programmed - 3rd party DALI commissioning tool
ZT (0-10V)	2	-	0	-	Factory programmed - use NS, SNS fields in order
ECO1**	1	-	0	-	N/A (only one zone available)
NLTAIR2**	1	-	0	-	N/A (only one zone available)
TUWH NLT	8	17	5	22	Field programmed - Sensorview
TUWH ZT	1	-	0	-	N/A (only one zone available)
NLTAIR2 with ZT***	2	-	0	-	Factory programmed - use NS, SNS fields in order
NLTAIR2 with TUWH ZT***	1	-	0	-	N/A (only one zone available)

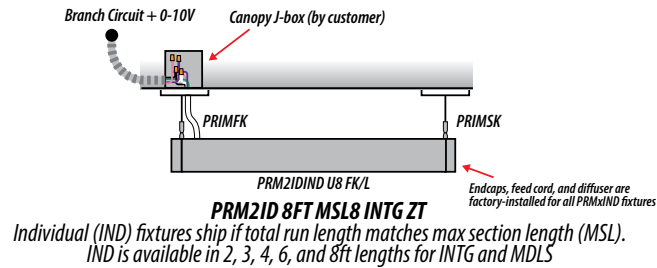
*Class 1 DALI with no internal isolation from fixture run. Requires user-supplied DALI master controller and power supply

**Uses factory-installed internal single-channel r/O

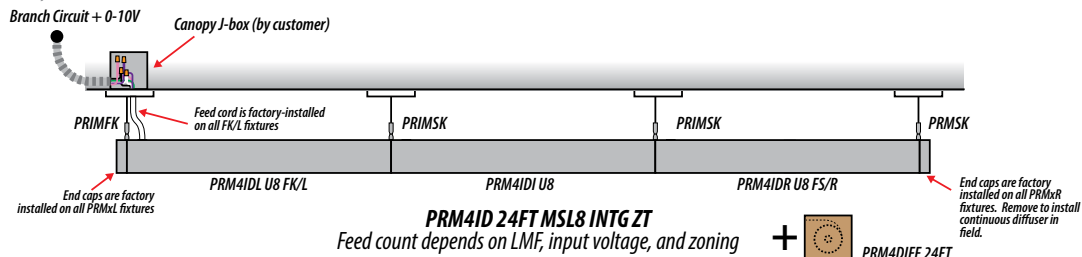
***Requires 2x user-installed external rPP20D with 0-10V wiring into a standard ZT-type head unit. Order ZT or TUWH ZT fixtures and rPP separately

TYPICAL BUILDING LAYOUT

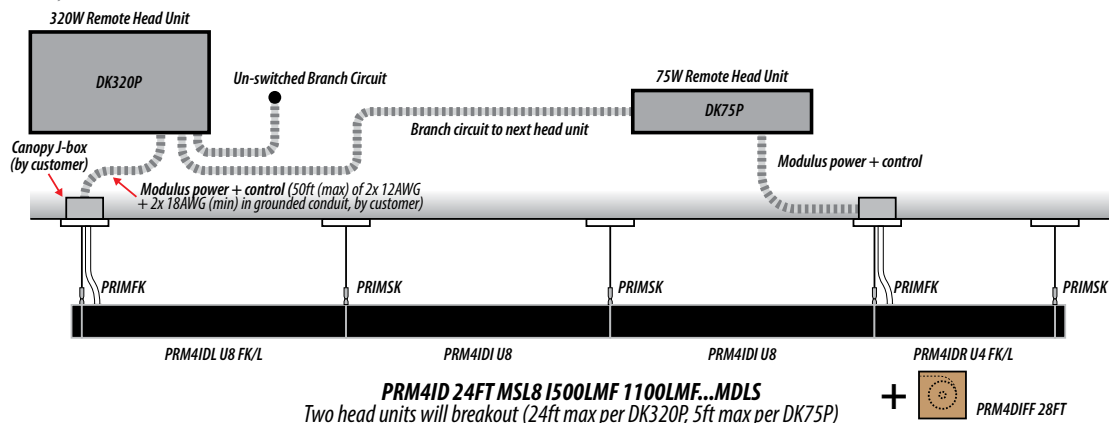
Individual, INTG



Run, INTG



Run, MDLS



EMERGENCY OPTIONS

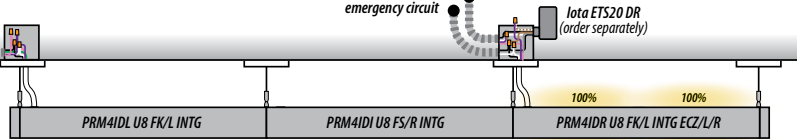
		Choose nomenclature from these columns				
Emergency Configurations	Driver Type		Emergency Type		Emergency Behavior	Emergency Accessories Required
	MDLS	+	E35INV	=	All drivers to 10%	Iota IIS 35 HE Micro-inverter and ETS DR included with head unit. Whole system is UL924-listed
	MDLS	+	E50INV	=	All drivers to 10%	Iota IIS 50 I Micro-inverter and ETS DR included with head unit. Whole system is UL924-listed
	MDLS	+	_EC	=	Direct drivers in EC/x sections to 100%, all others to 0%	Iota ETS DR included in head unit. Whole system is UL924-listed
	INTG	+	_ECZ	=	All drivers in ECZ/x sections to 100%, all others turn off	Order Iota ETS20 DR (*277G8R) or other UL924 ALCR and install on inputs to all ECZ/x sections (not included with luminaires).
Notes						
Select for California Title 20-compliant local battery backup installations. Run length per DK320P head unit is reduced by about 50%						
Select for non-California Title 20-compliant local battery backup installations. Run length per DK320P head unit is 80-100% of non-emergency head units						
Run emergency and normal circuits to EC head units. EC head units will pull 100% of normal load over the emergency circuit. Load drops to just the energized driver load on loss of normal power.						
Each ECZ/x fixture is independently fed from an emergency circuit. Mid-run emergency sections require additional normal feeds after each emergency section						

INTG and 1ECZ

Normal circuit + 0-10V

normal circuit + 0-10V emergency circuit

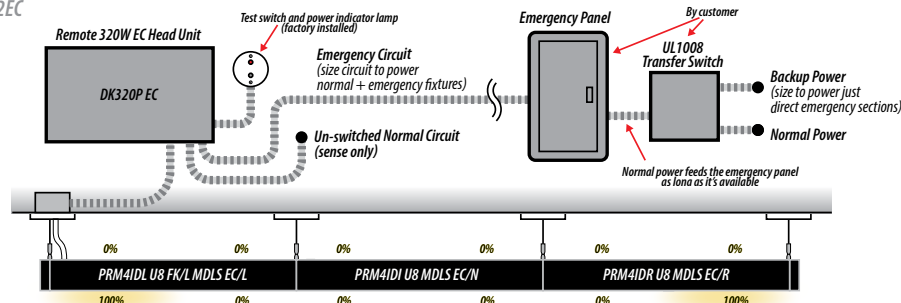
Iota ETS20 DR (order separately)



PRM4ID 24FT MSL8 INTG ZT 1ECZ

ECZ/x fixtures have their own feed and don't pass power or controls to adjacent fixtures. All drivers in ECZ/x fixtures are powered during loss of normal power

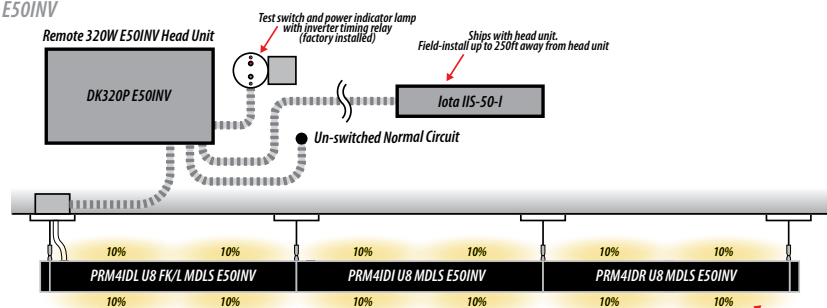
MDLS and 2EC



PRM4ID 24FT MSL8 MDLS NLIGHT 2EC

During loss of normal power, load will reduce to just the sum of direct emergency sections (EC/L or EC/R fixtures). EC/N fixtures will only consume standby power during emergency operation.

MDLS and E50INV



PRM4ID 24FT MSL8 MDLS NLIGHT 2EC

All fixtures go to 10% of nominal output during loss of normal power. As long as your nominal design provides at least 10FC from the fixtures at full brightness, egress lighting levels will be 1FC minimum. E35INV system behavior is the same.