

SLOT 1

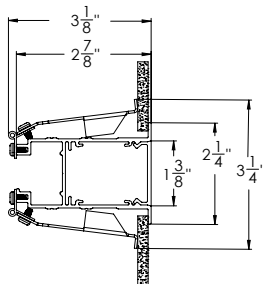
RECESSED WALL PATTERNS
POWERED BY MODULUS™

HIGHLIGHTS

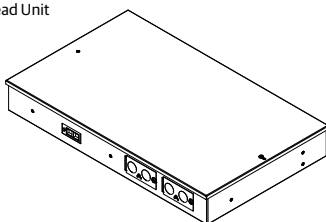
- 200 to 1000 Lumens per Foot
- Up to 117 Lumens per Watt
- Flush, regressed, or edge view direct lens options
- Trimless or flange sheetrock trim options
- Powered and controlled by Modulus™ remote driver kit that combines all power and control system inputs into a single feed cord
- Flicker free dimming to dark (0.01%) enabled by Modulus power and control architecture with integrated digital nLight® module for system networking
- Total System Integration features a 5-year limited warranty covering all components and construction
- Pre-configured square and rectangular patterns available as standard with the ability to create a custom pattern to meet any specification

DIMENSIONS

SL1LWP



Remote Head Unit



*Detail information on head unit located on Modulus spec sheet.



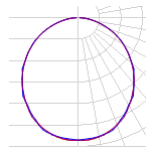
FIXTURE PERFORMANCE

Nominal Lumens/Foot	200LMF	400LMF	600LMF	800LMF	1000LMF
Delivered Lumens/Foot	240	370	550	750	935
Input Watts/Foot*	2.06	3.27	5.08	7.27	9.45
Lumen/Watt	117	113	108	103	99
Well Glare Standard	✓	✓	✗	✗	✗

Based on a 4ft 35K fixture with standard lambertian distribution
**See Modulus power and control driver kit details for wattage consumption.*
***Based on WELL criteria for glare using the average illuminance (Cd/m2), use of baffles and other shielding devices may affect outcome, different distributions affect outcome, see individual IES files for complete details.*

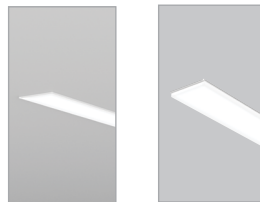


DIRECT DISTRIBUTION



Lambertian (no optic)

DIFFUSERS/SHIELDING



Flush Lens

Edge View Lens

ORDERING

Example: SL1LWP OPP 30FT 290VOC FL 90CRI 30K 600LMF MINI EGLD MVOLT WHTT ZT

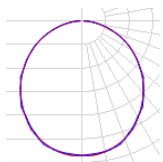
Series	Plan	Total Run Length	Configuration	Ceiling Trim	Direct Light Source Color Rendering	Direct LED Color Temp
SL1LWP Slot 1 LED Recessed Wall Pattern	SPP Square Pattern Plan RPP Rectangular Pattern Plan OPP Open Pattern Plan CPP Closed Pattern Plan	(blank) Using Pre-Configured Pattern _FT Specify pattern in total linear length (in whole feet within range of 8FT to 100FT)	_90C # Corners _90VIC # Vertical Inside Corners _90VOC # Vertical Outside Corner _90T # T Connectors _90X # X Connectors Corner angles available from 40°-160°. Replace the 90 with the appropriate corner degree to specify. T & X connectors only available at 90 degrees.	FL 5/8" Flange (Sheetrock) GB Trimless (Sheetrock)	90CRI 90 CRI	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K
Pre-Configured Patterns						
2X2P 2FT X 2FT Square Pattern						
2X4P 2FT X 4FT Rectangular Pattern						
2X6P 2FT X 6FT Rectangular Pattern						
2X8P 2FT X 8FT Rectangular Pattern						
4X4P 4FT X 4FT Square Pattern						
4X6P 4FT X 6FT Rectangular Pattern						
4X8P 4FT X 8FT Rectangular Pattern						

Direct LED Light Output	Minimum Dimming Level	Direct Shielding	Voltage	Trim Finish	Emergency Options
200LMF 200 Nominal Lumens Per Foot	MINI Constant current, dimming to 1%	FLL Flush Lens RL Regressed Lens	MVOLT Multi-Volt, 120-277	XXX/WHTT White (satin) XXX/BLKT Black (satin) XXX/SLVT Silver (satin) XXX/RALTB RAL Paint Finishes	(blank) Select If No Emergency Required E35INV 35W Emergency Micro Inverter E50INV 50W Emergency Micro Inverter (Not California Title 20 (T20) Compliant) WEC EC Circuit for Entire Run _EC # of Emergency Circuits
400LMF 400 Nominal Lumens Per Foot	DARK Constant current, dimming to 0.1%	EGLD Edge View Direct Lens	120 120V 277 277V 347 347V	XXX = Ceiling Trim. Only trims are painted (FL/WHTT). RALTB is for pricing only. Replace with applicable RAL number & texture or sheen when placing order.	MVOLT is not available with E35INV or E50INV. Use E50INV unless T20 compliance is required; then use E35INV. See Modulus spec sheet for more details.
600LMF 600 Nominal Lumens Per Foot			347V is not available with E35INV, E50INV, EC, or WEC.		
800LMF 800 Nominal Lumens Per Foot					
1000LMF 1000 Nominal Lumens Per Foot					
_LMF # Lumens Per Foot Limited to 200LMF - 1000LMF in 50LMF increments.					

Control Input	Primary Zone	Secondary Zone	Tertiary Zone
ZT* 0-10V Control	(blank) Select If Single Zone	(blank) Select If Single Zone	(blank) Select If Single Zone
NLIGHT nLight (wired) Enabled	NS_ Select if multi-zones required (with no sensors), call out length of zone in feet. Zones cannot end mid-fixture.	SNS_ Select if secondary zone required (with no sensors), call out length of zone in feet. Zones cannot end mid-fixture.	TNS_ Select if tertiary zone required (with no sensors), call out length of zone in feet. Zones cannot end mid-fixture.
NLTAIR2 nLight Air (wireless) Enabled	Not available with NLTAIR2	Not available with NLTAIR2	Not available with NLTAIR2
DALI DALI Compatible			
ECOI Lutron Ecosystem Interface			
ZT is only available with 2 zones. ECOI is not available with E35INV or E50INV *With ZT, head unit intended for installation on an unswitched circuit. Fixture sections will turn on at variable times if head unit is powered up on a switched circuit.			

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

PHOTOMETRICS



Test Report: ISF 201609P73

IES LM79-08

S1LD 4FT 90CRI 35K 1000LMF

Lumens: 3732.4

Wattage: 37.82

Efficacy: 98.69

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1,029.00	27.6%
0-40	1,672.00	44.8%
0-60	2,918.20	78.2%
60-90	814.3	21.8%
0-90	3,732.40	100.0%

EXPECTED LIFE: L90 @ 60,000 HOURS
CALCULATED LIFE: L80 @ 120,000 HOURS

CCT SCALING CHART

CCT	CRI	MULTIPLIER
27K	90CRI	1
30K	90CRI	1.02
35K	90CRI	1.04
40K	90CRI	1.05
50K	90CRI	1.02

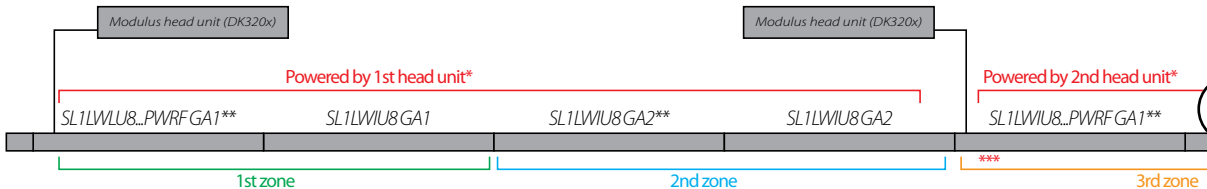
OPTICAL SCALING CHARTS

SHEILDING	MULTIPLIER
EGLD	1.08

**Base fixture with lambertian distribution and flush lens*

REMOTE MODULUS POWER AND CONTROL UNIT

TYPES OF LAYOUT RUN



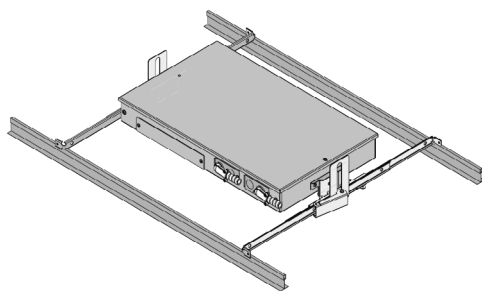
*Number of fixtures that can be powered by a single head unit is a function of lumen package and desired control zones. See Modulus spec sheet for table of feet/head unit.
 ** Fixture zoning is done by digitally addressing drivers in the fixture - for example, "GA1" in the nomenclature means the drivers are factory-programmed to the first zone. Care should be taken when installing to place fixtures in the correct zone according to job drawings. Zone #'s restart at each new head unit.
 *** Fixtures on separate head units should not be connected together - this is prevented by an FK/L or FK/R fixture having a harness connector that's incompatible with the right (or left) end harness on a standard fixture.

Note: For additional information on Modulus head unit and emergency options, reference *Modulus spec sheet*.

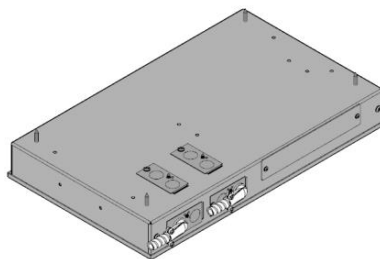
Control Types and Available Zones per Head Unit					
Control type	Max addressable zones	nLight devices	Max sensors	nLight devices consumed with max sensors	Fixture zoning method
nLight	16	17	5	22	Field programmed - Sensorview
Dali ¹	16	-	0	-	Field programmed - 3rd party DALI commissioning tool
ZT (0-10)	2	-	0	-	Factory programmed - use NS, SNS fields in order
ECO1 ³	1	-	0	-	N/A (only one zone available)
NLTAIR2 ²	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 ⁴	2	-	0	-	Factory programmed - Use NS, SNS fields in order
NLTAIR2 with TUWH ZT ⁴	1	-	0	-	N/A (only one zone available)

1. Class 1 DALI with no internal isolation from fixture run. Requires user-supplied DALI master controller and power supply
2. Uses factory-installed internal single-channel rIO with external antenna.
3. Internal EcoSystem to 0-10 Interface
4. 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

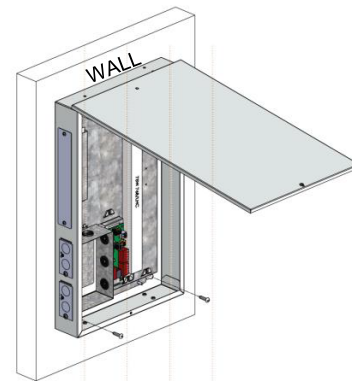
REMOTE MODULUS POWER AND CONTROL UNIT



F1 GRID MOUNT
(Unpainted)



F2 CEILING MOUNT
(Painted to match fixture housing)



F2 WALL MOUNT
(Painted to match fixture housing)

REMOTE MODULUS POWER AND CONTROL UNIT

Each Modulus remote driver kit can power up to 32 linear feet of luminaires. Use tables to calculate the number of remote driver units needed in a run or pattern by finding the intersection between your direct and indirect lumen outputs (If Indirect or Direct only, use the zero to represent the direction not applicable.) Modulus units can be a maximum of 50 feet from the mounting junction box. Mounting junction box must be within 6 feet of fixture feed end.

These tables indicate 1 Head Unit required for the identified run length in feet.

SLOT 1 DK320M Head Unit Maximum Run Length								
		Indirect						
		LMF	0	400	600	800	1000	1200
Direct	0	N/A	32	32	32	32	32	32
	200	32	32	32	32	32	28	28
	400	32	32	32	32	28	24	24
	600	32	32	32	28	24	24	24
	800	32	32	28	24	24	20	20
	1000	32	28	24	24	20	18	18

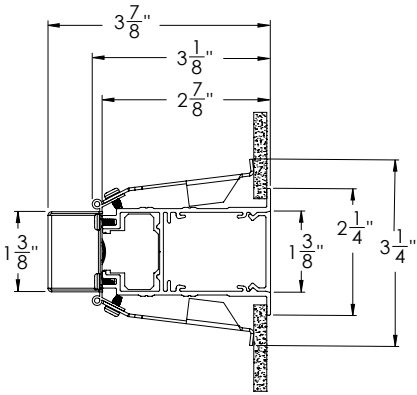
SLOT 1 DK75M Head Unit Maximum Run Length (also with E35INV or E50INV)								
		Indirect						
		LMF	0	400	600	800	1000	1200
Direct	0	N/A	25	15	11	8	7	7
	200	32	14	10	8	6	5	5
	400	20	11	8	7	6	5	5
	600	12	8	7	6	5	4	4
	800	9	6	5	5	4	3	3
	1000	6	5	4	4	3	3	3

SLOT 1 DK320M with E35INV Head Unit Maximum Run Length								
		Indirect						
		LMF	0	400	600	800	1000	1200
Direct	0	N/A	23	21	18	16	14	14
	200	31	21	18	16	15	13	13
	400	21	17	16	14	13	12	12
	600	18	15	14	13	12	11	11
	800	16	13	12	11	11	10	10
	1000	13	12	11	10	10	9	9

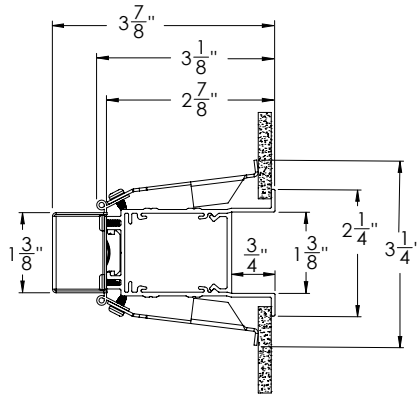
SLOT 1 DK320M with E50INV Head Unit Maximum Run Length								
		Indirect						
		LMF	0	400	600	800	1000	1200
Direct	0	N/A	32	32	29	26	23	23
	200	32	32	30	27	24	21	21
	400	32	28	25	23	21	19	19
	600	30	24	22	21	19	18	18
	800	25	21	20	19	17	16	16
	1000	22	19	18	17	16	15	15

MOST COMMON MOUNTING TYPES AND OPTIONS

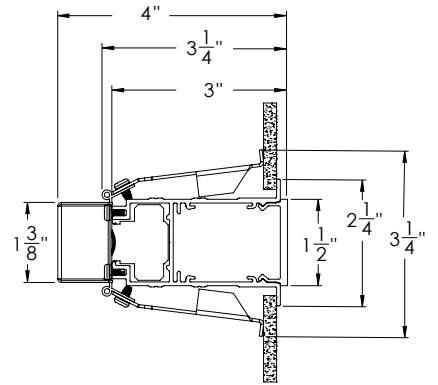
- *Recommend installation into 1/2" thick drywall. Workable range is minimum 3/8" to maximum 5/8" thick drywall.
- * Accepts 3/8" conduit only
- * Junction box (by others) and conduit (by others) must be within 6-feet of fixture feed end and within 50-feet of Modulus head unit.



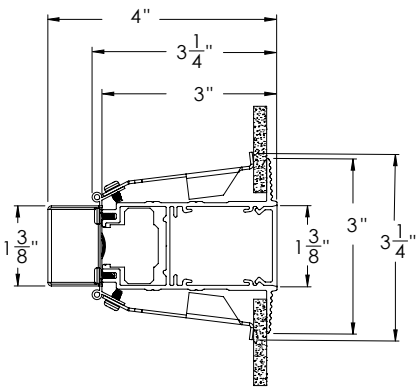
FL, Flush Lens
(Sheetrock, flanged)



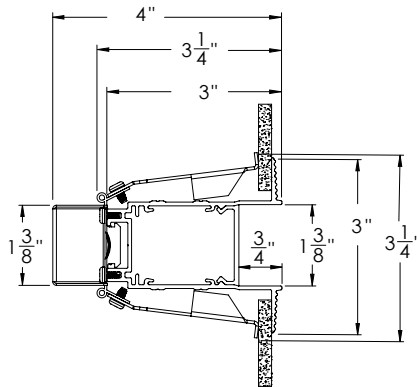
FL, Regressed Lens
(Sheetrock, flanged)



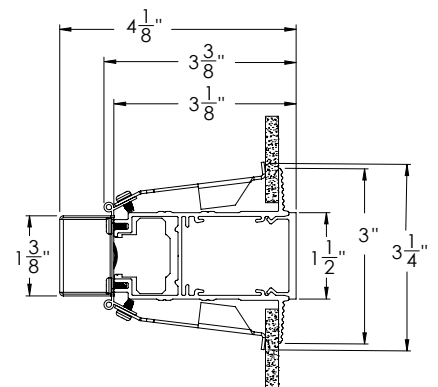
FL, Edge View Direct Lens
(Sheetrock, flanged)



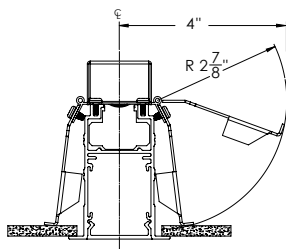
GB, Flush Lens
(Sheetrock, trimless)



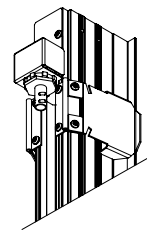
GB, Regressed Lens
(Sheetrock, trimless)



GB, Edge View Direct Lens
(Sheetrock, trimless)



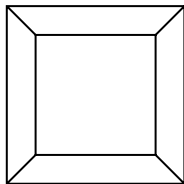
Required Mount Clearance
(Same for Sheetrock, flanged or trimless)



Isometric View Conduit Connector & Bracket
(Same for Sheetrock, flanged or trimless)

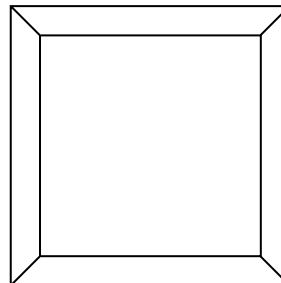
PRE-CONFIGURED PATTERNS

2' x 2' Square



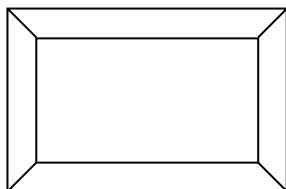
SL1LWP 2X2P...

4' x 4' Square



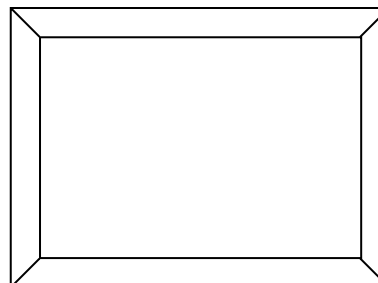
SL1LWP 4X4P...

2' x 4' Rectangle



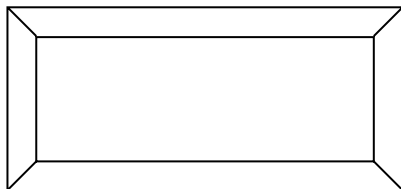
SL1LWP 2X4P...

4' x 6' Rectangle



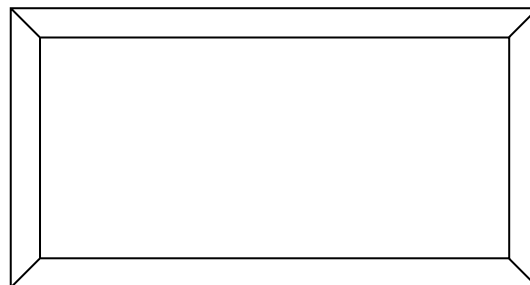
SL1LWP 4X6P...

2' x 6' Rectangle



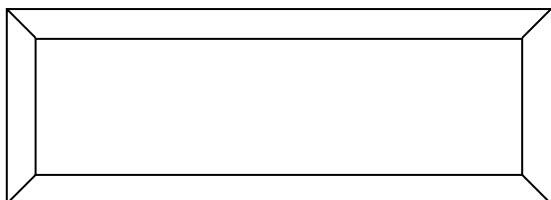
SL1LWP 2X6P...

4' x 8' Rectangle



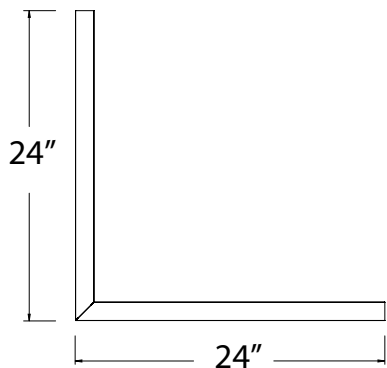
SL1LWP 4X8P...

2' x 8' Rectangle

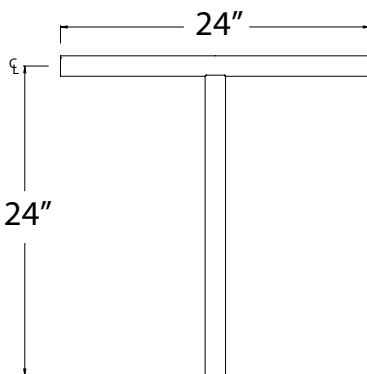


SL1LWP 2X8P...

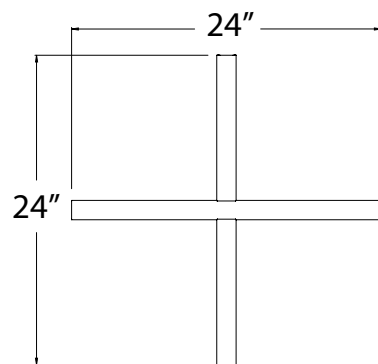
DIMENSIONS



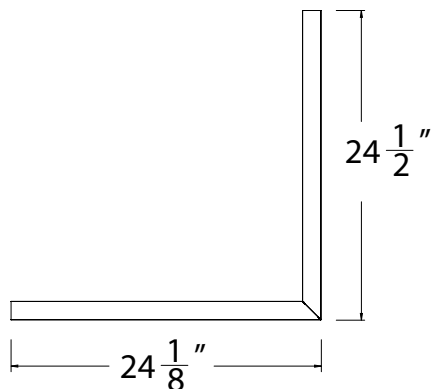
90° Corner (90C)
Use with FL & GB



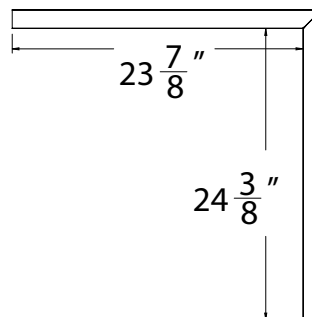
T Connector



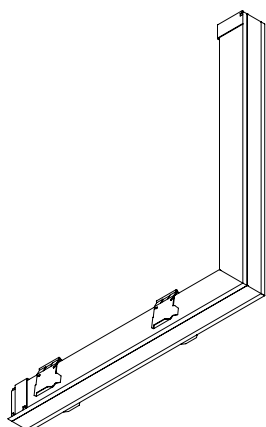
X Connector



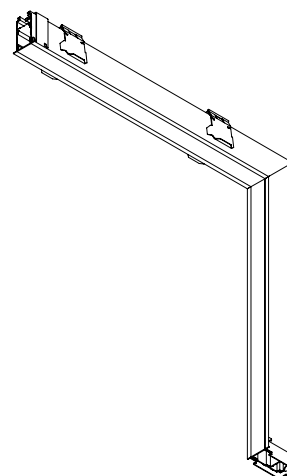
90° Vertical Outside Corner (90VOC)
Use with FL & GB



90° Vertical Inside Corner (90VIC)
Use with FL & GB



Isometric View of 90VOC with FL Trim

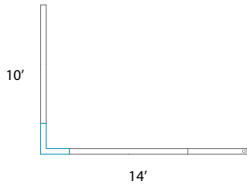


Isometric View of 90VIC with FL Trim

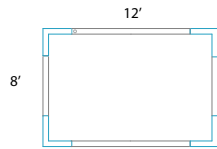
PATTERN ORDERING GUIDE

Slot 1 LED patterns can be configured in 1' increments with illuminated corners, X & T connectors. Corners are available between 40° and 160° in 5° increments. For custom angles, corners of junction lengths, consult factory.

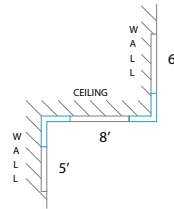
- 4 corners are required for SPP & RPP plans.
- The system will only price a maximum of 6 of each type of connector on one order line. Please consult with quotations to determine pricing if over quantity of 6.
- Total Run Length = all sides of the pattern



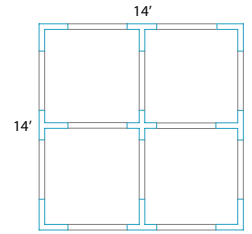
Total run length = 24FT
190C or 90C = (1) 90° corner
Nomenclature:
SL1LWP OPP 24FT 190C FL 90CRI 30K
60OLMF MINI FLL MVOLT WHTT ZT



Total run length = 40FT
490C = (4) 90° corners
Nomenclature:
SL1LWP RPP 40FT 490C FL 90CRI 30K
60OLMF MINI FLL MVOLT WHTT ZT



Total Run length = 19FT
190VOC or 90VOC = (1) 90° vertical outside corner
190VIC or 90VIC = (1) 90° vertical inside corner
Nomenclature:
SL1LWP OPP 19FT 90VOC 90VIC FL 90CRI 30K
60OLMF MINI FLL MVOLT WHTT ZT



Total Run Length = 84FT
490C = (4) 90° corners
190X = (1) 90° X connectors
490T = (4) 90° T connectors
Nomenclature:
SL1LWP CPP 84FT 490C 490T 190X FL 90CRI
30K 60OLMF MINI FLL MVOLT WHTT ZT

LAYOUT SKETCH

Please draw and configure your pattern plan below.



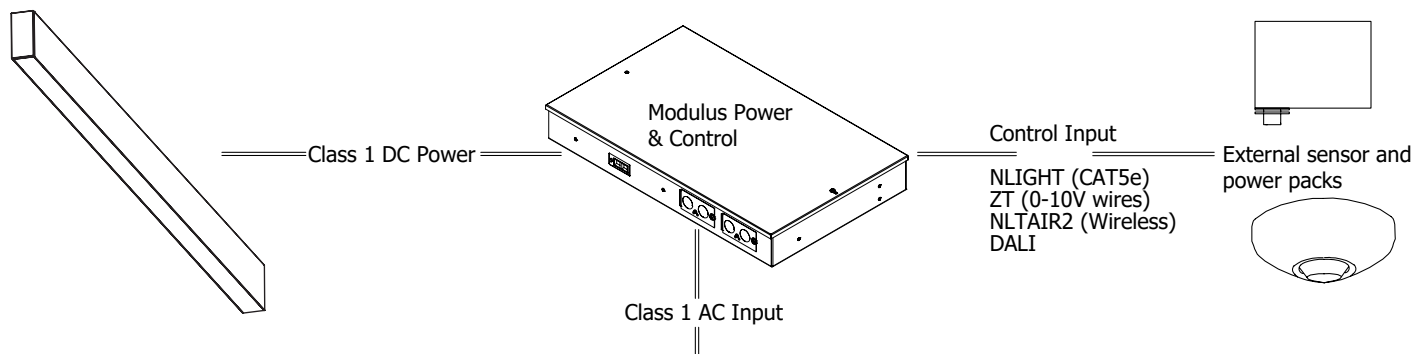
INTELLIGENT LUMINAIRE CHARTS

Choose nomenclature from these columns					
Driver Configurations	Minimum Dimming Level	Control Input	Driver	Dimming Range	Notes
	MIN1	DALI	eldoLED DCDC DUALdrive	100 to 1%	Logarithmic Dimming, DALI controls and power supply supplied by others
	MIN1	ZT	eldoLED DCDC DUALdrive	100 to 1%	Linear Dimming, supplied with leads for two independent zones of 0-10V
	MIN1	NLIGHT	eldoLED DCDC DUALdrive	100 to 1%	Logarithmic Dimming, nIO EZDCA 16Z in head unit
	MIN1	NLTAIR2	eldoLED DCDC DUALdrive	100 to 1%	Logarithmic Dimming, rIO EZDL in head unit with external antenna
	DARK	DALI	eldoLED DCDC DUALdrive	100 to 0.1%	Logarithmic Dimming, DALI controls and power supply supplied by others
	DARK	ZT	eldoLED DCDC DUALdrive	100 to 0.1%	Linear Dimming, supplied with leads for two independent zones of 0-10V
	DARK	NLIGHT	eldoLED DCDC DUALdrive	100 to 0.1%	Logarithmic Dimming, nIO EZDCA 16Z in head unit
	DARK	NLTAIR2	eldoLED DCDC DUALdrive	100 to 0.1%	Logarithmic Dimming, rIO EZDL in head unit with external antenna

CONTROLS

Remote sensors can be paired with NLIGHT options to control your runs.

SLOT1 Luminaire



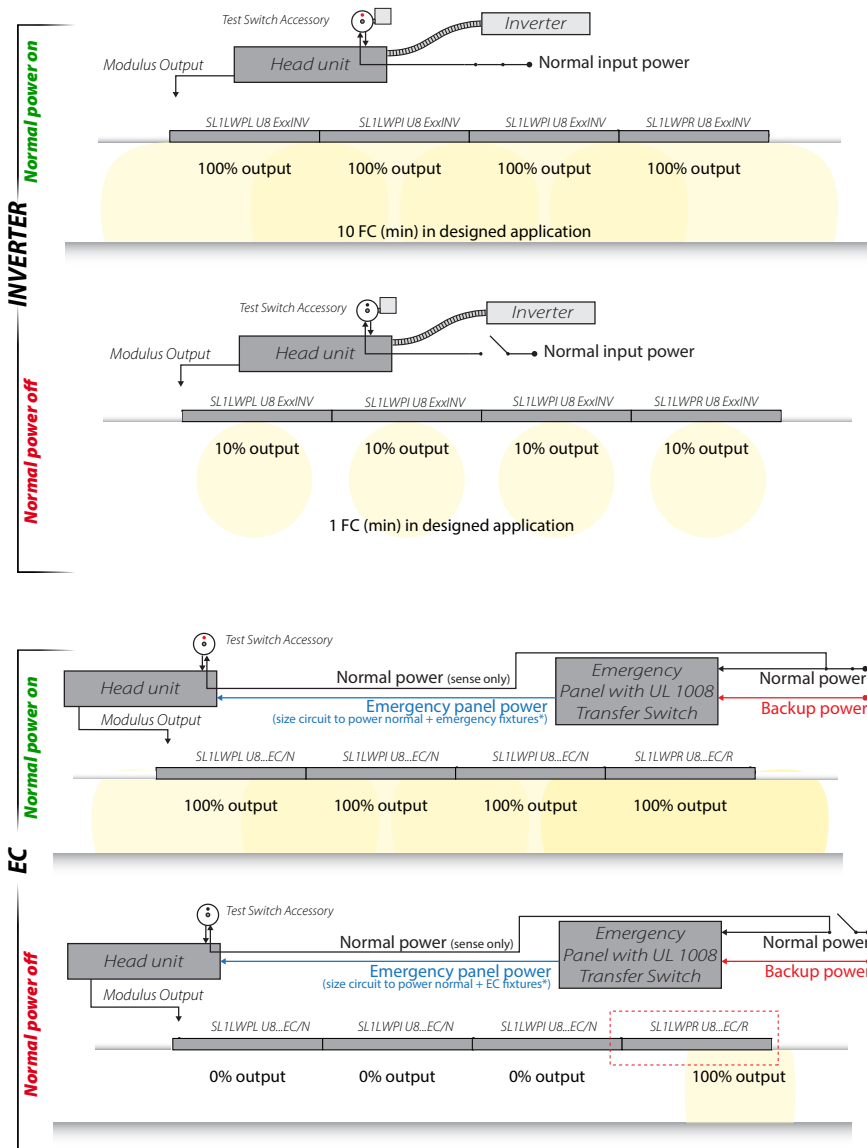
EMERGENCY OPTIONS

SL1LWP

EC circuits default to the right side 4' section, of an 8' fixture (EC/R) and the complete section of a 4' fixture (EC/L).
Single EC circuit defaults to the last 4' of the run.
Two EC circuits default to the last 4' of the run and the first 4' of the run.
Additional circuits will be added from the end of the run using the last 4' of an 8' fixture or complete 4' fixtures.
Inverter = E35INV (IIS-35-HE) or E50INV (IIS-50-I)
CAUTION: Inverters cannot be ordered separately

EXAMPLES

*Detail information on head unit located on [Modulus spec sheet](#).



*Since there's only one power supply in the head unit to power both EC and non-EC sections in the same run, ALL fixtures will draw power from the emergency circuit during normal power operation. Consult the Modulus Emergency Guide on Modulus fixture webpage to calculate the normal power and emergency power consumption for your fixture run length, lumen package, and emergency type.

SPECIFICATIONS

Housing

Nominal 2" x 2', 3', 4', 5', 6', 7', 8' and continuous rows in 1" increments as standard, upper housing fabricated from cold-rolled steel with extruded aluminum wall trim.

Finish

Painted high reflectance matte white powder coat.

Reflector

Precision-formed steel; high reflectance matte white powder coat; 93% reflectivity.

LED Components

Linear: Nichia®- 757 series LED chips (90 CRI)

Electrical

Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 90% LED lumen maintenance at 60,000 hours (L90/60,000).

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 16-channel wired networking via Cat-5e and daylighting and occupancy detection via internal sensors located in luminaires. The Modulus™ head unit outputs a maximum of 10mA into the nLight® bus. See controls page for internal sensor options.

Each integral nLight® modulus head unit utilizes a maximum of 22 device addresses. nLight® Tunable White head unit utilizes a maximum of 22 device addresses.

Color Consistency

The Acuity Brands circuit boards for the linear LED components use a precise binning algorithm which creates a consistent color temperature from board to board. The color a variation of no greater than a 2.5 Step MacAdam (2.5SDCM) along the black body locus from board to board.

Driver

eldoLED® driver provides natural dimming with smooth, continuous and flicker-free deep dimming. Supports operation between 120 VAC and 277 VAC, with low inrush current (NEMA 410) and THD < 20%. Meets FCC Title 47 C.F.R. 15 Class A or Class B requirements. Lutron interface module is also available.

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.

Certification

UL certified to meet US and Canadian standards for UL 2108. This product is IC rated.

Modulus Head Unit is RoHS compliant, plenum rated per UL2043, UL2108, UL924 for emergency applications, damp location, and IC rated with F1 mounting style.

Environment

Suitable for damp location.

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. Specifications subject to change without notice.