

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

# ELIR Series

INDOOR LED REMOTE FOR ELSS CENTRAL BATTERY

## FEATURES

- Designed specifically for use with the ELSS Central Battery
- Available in Low(372lm), Med(622lm) and High(933lm) lumen output, with multiple unit spacing up to 95'
- 2 or 3 High-Power LED's with adjustable lamp positioning
- Modular LED assembly adjusts for ceiling or wall mount
- White or Black finish



## SPECIFICATIONS

### APPLICATION

- Remotes do not include a battery which minimizes individual batteries throughout the space
- For use in new construction or retrofit
- For installation in commercial and architectural applications
- Mount from 7' to 20' high
- Small and compact size for architectural settings
- Eliminates battery maintenance in high mount applications

### CONSTRUCTION

- Housing and front cover constructed of injection molded thermoplastic

### INSTALLATION

- Universal mounting template molded in the back of housing
- Input/output connection through surface conduit or wire entry from outlet box at rear of unit
- Unit mounts to all single gang and standard 3 1/2" and 4" square or octagonal electrical boxes

### COMPLIANCES

- Listed to UL924 Standard
- Designed to NFPA101, NFPA70 requirements
- Damp Location Listed
- FCC Certified

### WARRANTY

- Full 5 year warranty
- See [HLI Standard Warranty](#) for additional information

## ORDERING GUIDE

CATALOG #  Example: ELIR2

Catalog Number	Description
ELIR2	2 LED, 372lmns, 3 watts, white housing
ELIR2HP	2 LED, 622lmns, 6 watts, white housing
ELIR3	3 LED, 933lmns, 8 watts, white housing
ELIR2B	2 LED, 372lmns, 3 watts, black housing
ELIR2HPB	2 LED, 622lmns, 6 watts, black housing
ELIR3B	3LED, 933lmns, 8 watts, black housing

KEY DATA	
Lamp Color	5000K
Total Lamp Output	ELIR3 Wall - 792 lm ELIR2 Wall - 330 lm ELIR2HP Wall - 560 lm
System Efficacy (LPW)	ELIR3 - 96.4 lm/W ELIR2 - 126.0 lm/W ELIR2HP - 97.2 lm/W

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## Accessories

ELSS	Central Battery
ELOR	Outdoor LED Remote
ELWR	Industrial NEMA 4X/IP66 Remote
EVEURW4X-DC ELSS	Thermoplastic Exit Sign
EVEURW4X-DC ELSS	DC NEMA 4X Exit Sign



ELIR Indoor Remote



ELOR Outdoor Remote



ELWR NEMA 4X Remote



EVE-DC ELSS  
Thermoplastic Exit Sign



EVE4X-DC ELSS  
NEMA 4X/IP66 Exit Sign

## ELECTRONICS

The ELIR Indoor LED remote includes a current sensitive LED driver module which regulates battery power at 400mA. or 800mA. An input and output connector provides input power to drive the LEDs. The input connection is not polarity sensitive. The output connector allows for multiple remotes to be connected in a daisy-chain. Remotes must be connected within 150' of the Central Battery which provides DC power when normal AC power is lost.

### LED Information

CCT: 5000K

CRI: XX

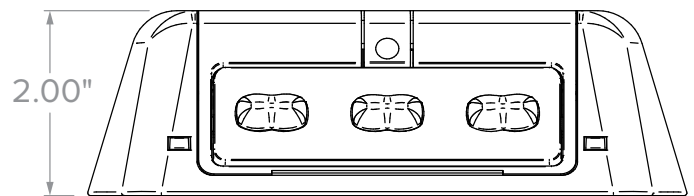
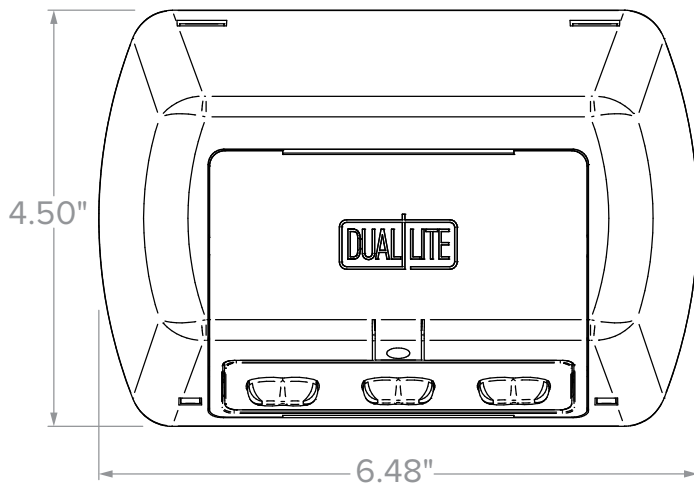
## REMOTE LOAD GUIDE



### ELIR Indoor Remote

Part Number	Required Watts	Spacing (7.5MH)
ELIR2	3W	30'
ELIR2HP	6W	60'
ELIR3	9W	90'

## DIMENSIONS



DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

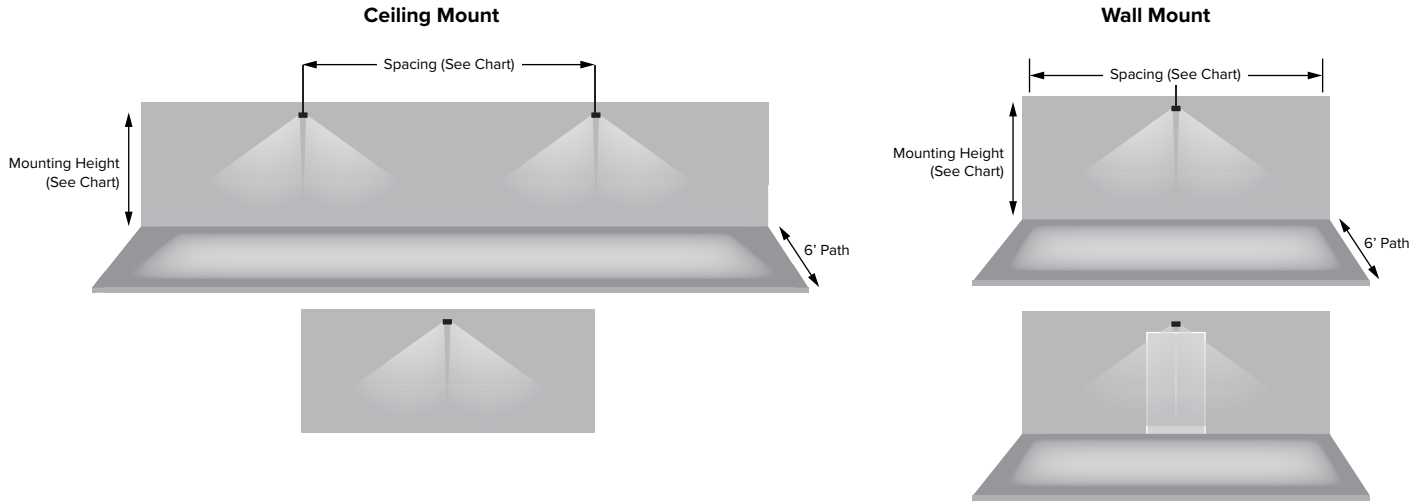
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## APPLICATION INFORMATION



## MULTIPLE UNIT SPACING BASED ON 6' PATH

ELIR2	Ceiling Mount	Wall Mount
Mounting Height	10'	7.5'
Max. Spacing @ 1FC avg.	28'	30'

ELIR2HP	Ceiling Mount Ceiling Height = 30', Reflectance = 10/10/10						Wall Mount Refl. = 80/50/20	
Mounting Height	10'	12'	14'	16'	18'	20'	7.5'	12'
Max. Spacing @ 1FC avg.	58'	48'	40'	28'	16'	0'	60'	36'
Max. Spacing @ 1FC min.	48'	38'	34'	24'	12'	0'	36'	24'

ELIR3	Ceiling Mount Ceiling Height = 30', Reflectance = 10/10/10						Wall Mount Refl. = 80/50/20	
Mounting Height	10'	12'	14'	16'	18'	20'	7.5'	12'
Max. Spacing @ 1FC avg.	94'	86'	70'	52'	47'	39'	90'	60'
Max. Spacing @ 1FC min.	50'	50'	48'	52'	36'	24'	44'	32'

Meets Life Safety Code minimum illuminance of 0.1 fc and average of illuminance of 1.0 fc.  
Assumes open space with no obstructions, wall mounting shown in above table, ceiling mounting height shown in above table and reflectances of 80/50/20.  
Photometry files available on the Dual-Lite web site ([www.dual-lite.com](http://www.dual-lite.com))

## PHOTOMETRY

### ELIR2HP CEILING

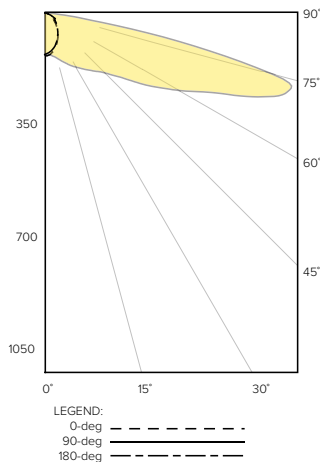
#### LUMINAIRE DATA

Test No.	21.00432
Description	Indoor Remote
Watts	5.88
Efficacy	96.8 lm/W
Mounting	Surface/Ceiling

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	185	32.6
0-60	367	64.6
0-90	569	100
0-180	569	100

#### POLAR GRAPH



#### CANDELA DISTRIBUTION

Angle	Candela (0.0)
0	130
5	132
15	117
25	93
35	71
45	48
55	33
65	18
75	7
85	3
90	0

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## PHOTOMETRY CONTD.

### ELIR2HP WALL

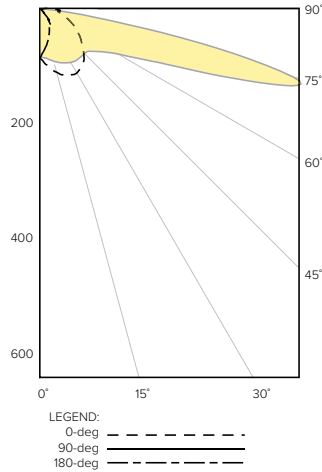
#### LUMINAIRE DATA

Test No.	21.00431
Description	Indoor Remote
Watts	5.76
Efficacy	97.2 lm/W
Mounting	Surface/Wall

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	142	25.3
0-60	308	55
0-90	556	99.2
0-180	560	100

#### POLAR GRAPH



#### CANDELA DISTRIBUTION

Angle	Candela (0.0)
0	85
5	95
15	114
25	126
35	124
45	107
55	85
65	63
75	42
85	35
90	24

### ELIR3 CEILING

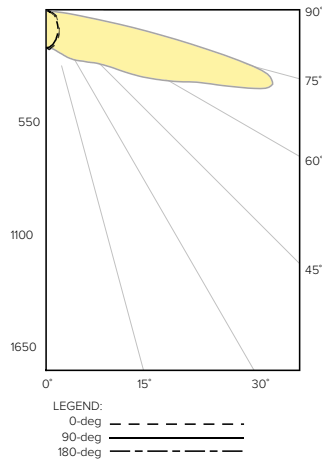
#### LUMINAIRE DATA

Test No.	21.00158
Description	Indoor Remote
Watts	12.8
Efficacy	97.2 lm/W
Mounting	Surface/Ceiling
Spacing Criterion	
0-DEG	1.04
90-DEG	3.32
180-DEG	0.95

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	258	32.1
0-60	513	63.7
0-90	804	99.8
0-180	805	100

#### POLAR GRAPH



#### CANDELA DISTRIBUTION

Angle	Candela (0.0)
0	180
5	187
15	165
25	137
35	105
45	79
55	57
65	39
75	16
85	4
90	3

### ELIR3 WALL

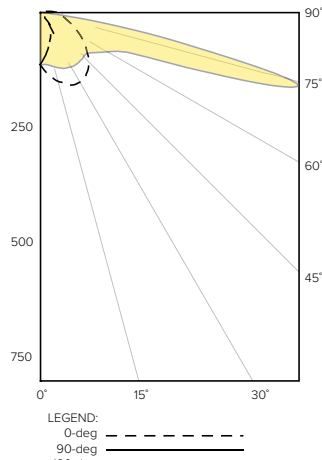
#### LUMINAIRE DATA

Test No.	21.00159
Description	Indoor Remote
Watts	18.2
Efficacy	96.4 lm/W
Mounting	Surface/Wall
Spacing Criterion	
0-DEG	1.93
90-DEG	1.78
180-DEG	0.67

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	190	24
0-60	416	52.5
0-90	779	98.3
0-180	792	100

#### POLAR GRAPH



#### CANDELA DISTRIBUTION

Angle	Candela (0.0)
0	113
5	128
15	155
25	173
35	171
45	149
55	118
65	86
75	60
85	45
90	40

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