

Project Name: _____ Location: _____

Specifier: _____ Rep Agency: _____

Fixture Type: _____ Product Code: _____

KLIK LEDpod™ 40SQ Patented

DESCRIPTION

Discrete, seamless point source LED fixture for use in all code-compliant handrail, especially curving ramps and helical stairs as well as long runs on bridges and pedestrian paths. Asymmetric optic allows mounting at rail nadir, eliminating uncomfortable glare issues. Typical spacing between LEDpods on stairs is 24", and on level runs is 48".

HOUSING

Aluminum body has a fine 25-micron finish and is then hard-coat anodized, thus preventing galvanic corrosion. Silicone gasket seals the installation from water ingress and provides added means of electrical isolation to minimize potential for galvanic reaction.

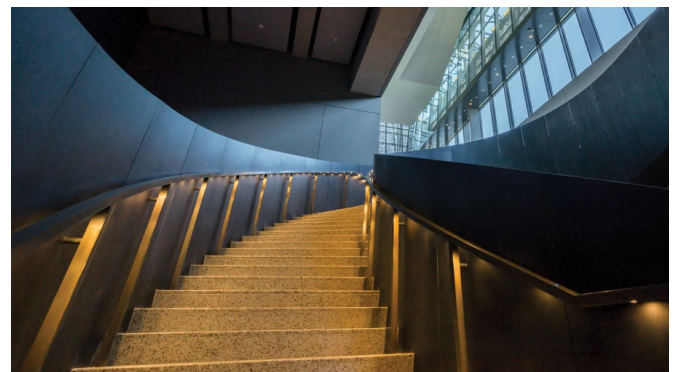
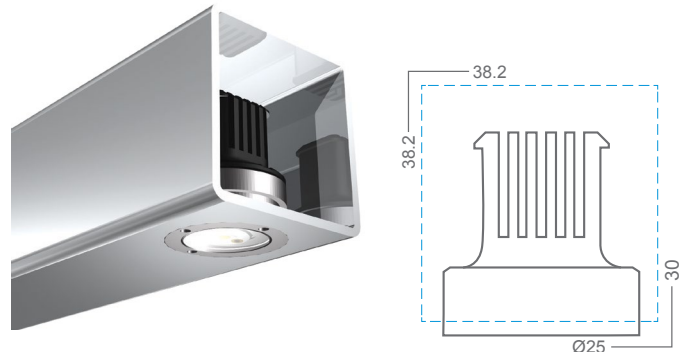
MOUNTING

Patented attachment method offers unparalleled security and ease of mounting. Requires only a simple drilled hole in railing material. All conductors remain internal to railing to provide secure and safe wiring. IK10 Impact rating ensures vandal resistance.


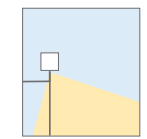
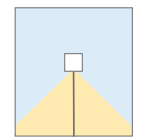






- Tube size: SHS 1.5", Max Wall 0.125"
- Cut Out: 25mm
 - Must use a 25mm annular cutter [NOT a 1" cutter].

ELECTRICAL/LED DRIVER

- Input Voltage: 24 VDC
- Driver: Must use class 2 driver
 - Primary Driver: 110 - 277 VAC UL Listed Constant Voltage
 - Secondary Driver: 350 - 700mA Constant Current (provided with fixture)
- Control: 0-10V, DALI, DMX
 - DMX control for dimming only, not for individually addressed LEDpod
- Enclosure: Minimum NEMA2 for indoor, NEMA 3R for outdoor
- Wire connectors provided; factory pre-wire available, consult factory



Monumental Staircase - National Museum of African American History & Culture.
 Photo: Jason A. Flakes/Nomoi Design

	ETL listed UL 1598/CSA 22.2; CE	 Asymmetrical 65° beam	 Symmetrical 90° beam
	Weatherproof Rating: IP66 Wet location rated		LED Operating Temp: -40°F - 160°F
	Impact resistance: IK10		3G Vibration per MIL-STD-810G
	Wildlife friendly		
	International Dark Sky Association Certified Amber ≤ 3000K		

* All IP rated luminaires tested to AS60529-2004 Degrees of protection provided by enclosures (IP Code)

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SPECIFICATION TABLE

Follow the steps to specify your fixture. Enter Product Code in field at top of page. Example: LPSQ30KA12

Fixture Type	Color Temp [K]	Distribution	Rail Size	Lens Options	Security	Output (W)	Anodized Bezel Options	Control
LPSQ	22K 2200K 27K 2700K 30K 3000K 35K 3500K 40K 4000K AMB FWC Amber PCA Phos-converted Amber R Red G Green B Blue	A Asymmetric S Symmetric	12 1.50"x 1.50"x 0.120"Wall	- Clear lens [Std] FR Opaque frost OT Optical filter	- Tamper resistant [Std] TP Tamperproof [Requires the KLIK tool]	- 500mA 2W [Std] 350 350mA 1.5W 700 700mA 2.6W	- Marine grade anodized [Std] BRS Antique Brass BLK Black Anodized BZ Bronze ANT Dark Antique GLD Rose Gold	- 0-10V Dim DMX1 DMX 1 Ch PH Phase Dim

Clips for Bronze railing requires a special alloy | consult factory

LED PERFORMANCE

LED:	Cree XT-E
CCT:	Refer to the specification table for details
CRI:	80-85
Life:	80% at 50k hrs and 85° C
Binning:	3 MacAdam Steps
Warranty:	5 Year Warranty

Outputs based on 3000K

W	mA	V
1.5	350	3
2	500	3
2.6	700	3

SYMMETRICAL

ASYMMETRICAL

Delivered Lumens	
108	74
154	112
208	147

REMOTE MOUNTING DISTANCE CHART

24 VDC 100W Driver	Approx. distance from driver to first LED at 32 fixtures			
Wire Size	10 AWG	12 AWG	14 AWG	16 AWG
Distance	525'	328'	213'	131'

PRIMARY DRIVER

Power Supply 24V DC [PSU]	Secondary LED Driver	Spacing	Maximum KLIK LEDpods™*
110 - 277 Primary Voltage Remotely Mounted Dimming Control 10" x 1.5" x 2"	700mA	24"	30
	500mA	24"	37
	350mA	24"	50

Increased spacing or higher output LEDpods reduces the number of PODs per circuit and the remote distance.

*Based on 16 AWG between LEDpods ≤ 50' remote distance

REMOTE POWER SUPPLIES [PSUs]

LP040WPRITRNDIMIP	Class 2; 40W; 0-10 Dim Constant Voltage Remote PSU [IP67 (Temp Submersion) Rated; -40°C ~ +85°C]
LP096WPRITRNDIM	Class 2, 96W, 0-10 Dim Constant Voltage Remote PSU [IP67 (Temp Submersion) Rated; -40°C ~ +80°C]
LP100WPRITRNDIM	Class 2, 96W, 0-10 Dim Constant Voltage Remote PSU [IP64 (Damp Location) Rated; -25°C ~ +40°C]
LPQZ96WUNV24VPH010	Class 2, 96W, Phase or 0-10 Dim Constant Voltage Remote PSU [IP66 (Wet Location) Rated; -40°C ~ +60°C]
LPQZ96WUNV24VDMX1CH	Class 2, 96W, 8-Bit DMX Dim Constant Voltage Remote PSU [IP66 (Wet Location) Rated; -40°C ~ +60°C]

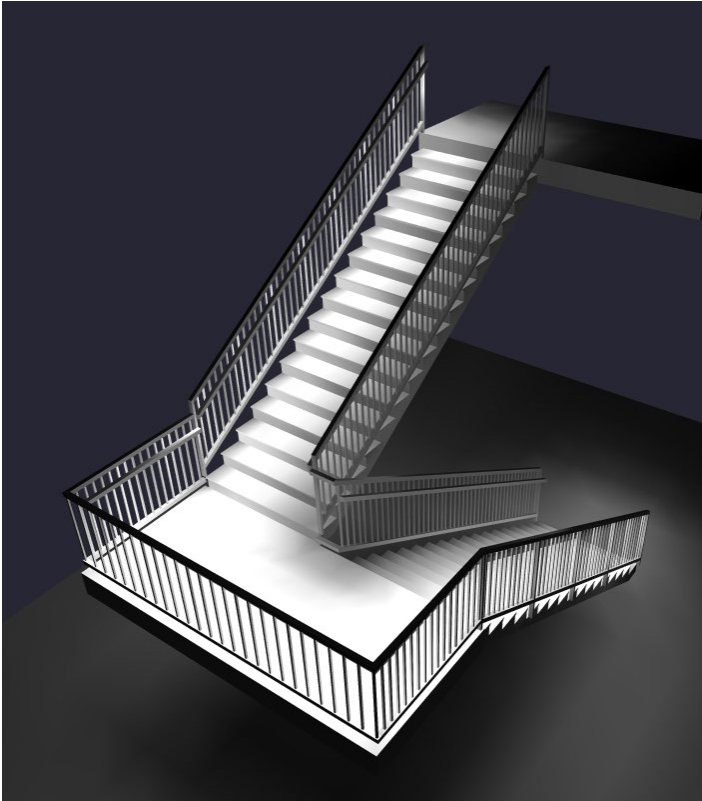
REMOTE NEMA ENCLOSURES

LPNEMA2RENCL	NEMA2 INDOOR enclosure for LP100WPRITRNDIM, 12 x 3.3 x 2
LPNEMA3RENCLJR	NEMA3R Drip Proof Enclosure, 4 x 4 x 12 [IP24 Equivalent]
LPNEMA3RXENCLSS	NEMA3 304 Lockable Stainless Steel Drip Proof Enclosure 4 x 4 x 12 [IP24 Equivalent]
LPNEMA4ENCLJR	NEMA4 Watertight Enclosure, 6 x 4 x 12 [IP66 Equivalent]; NEMA4X
LPNEMA4XENCLSSJR	NEMA4 304 Lockable Stainless Steel Watertight Enclosure 6 x 4 x 12 [IP66 Equivalent] NEMA4X
LPNEMA6PTRO	NEMA6 Watertight Enclosure Wiring Trough, 2 x 3 x 14 [IP68 Equivalent]

Additional driver & enclosure configurations available, including IP68 options
Please note the KLIK UL Listing requires purchase of a remote driver and enclosure.

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SINGLE SIDED

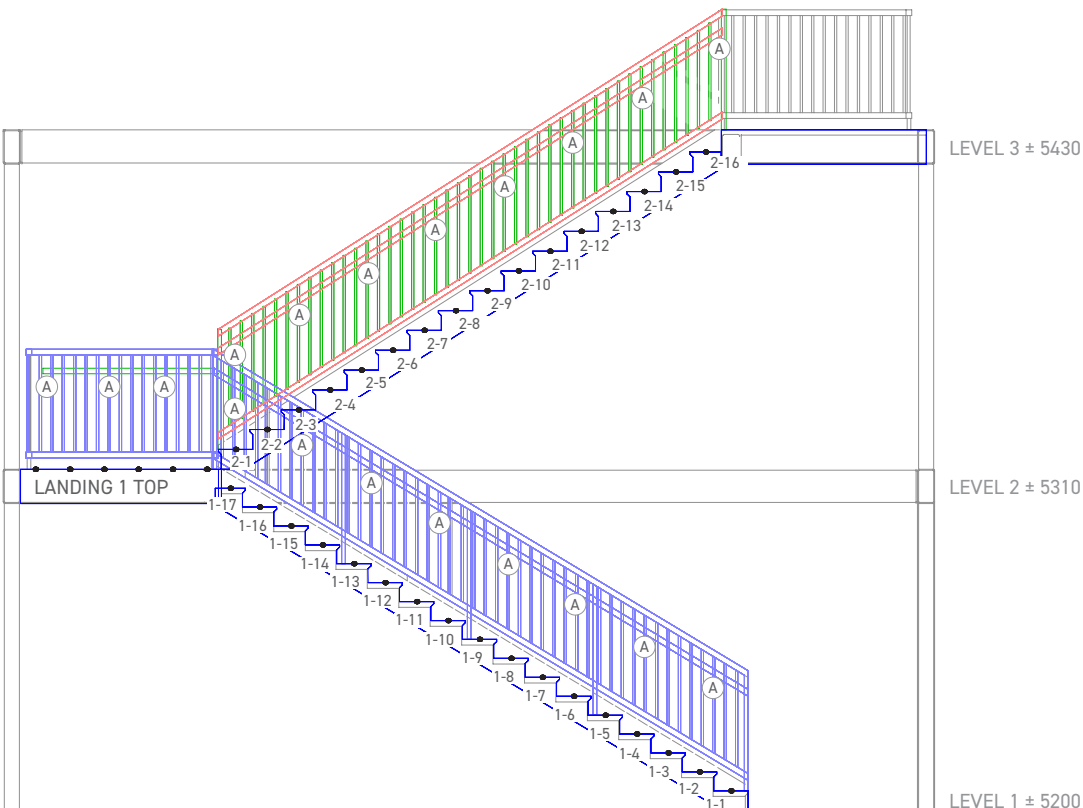


QTY	LABEL	ARRANGEMENT	LUMENS	LLF	DESCRIPTION
26	A	Single	130	0.900	LP0D40SQ-3K-500mA-2.0W-Asym Clear Lens

Landing readings taken on landing. Stair readings taken on stair. (Design based on 2' centers.)

LABEL	UNITS	AVG	MAX	MIN	AVG/MIN	MAX/MIN
Landing	Fc	13.73	22.2	3.0	4.58	7.40

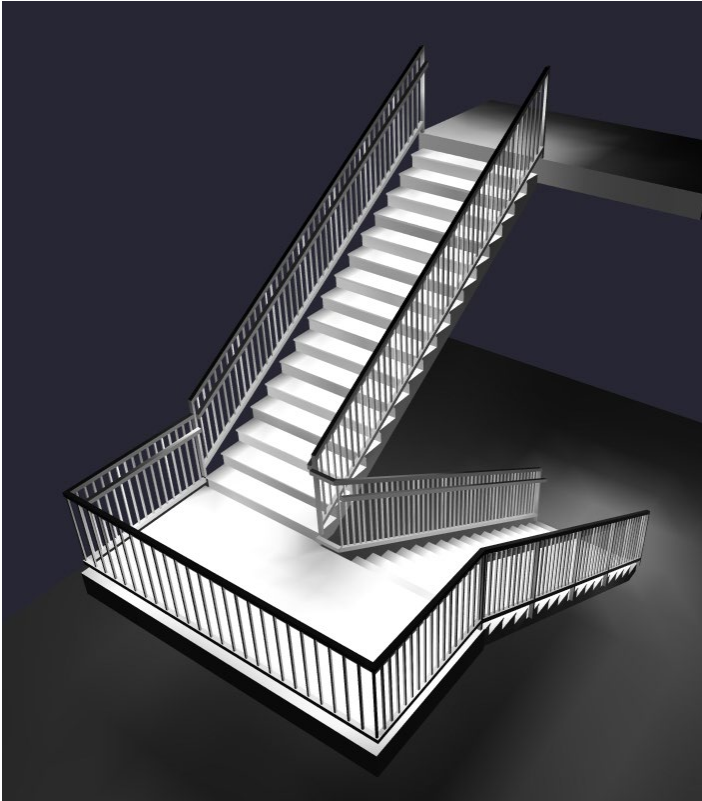
STAIRS	UNITS	AVG	MAX	MIN	AVG/MIN	MAX/MIN
1-1	Fc	3.99	5.9	0.9	4.43	6.56
1-10	Fc	6.83	12.0	0.9	7.59	13.33
1-11	Fc	6.68	11.3	0.9	7.42	12.56
1-12	Fc	6.86	12.1	0.9	7.62	13.44
1-13	Fc	6.50	11.1	0.8	8.13	13.88
1-14	Fc	6.84	12.1	0.8	8.55	15.13
1-15	Fc	6.43	11.2	0.8	8.04	14.00
1-16	Fc	6.88	12.4	0.6	11.47	20.67
1-17	Fc	6.14	10.9	0.6	10.23	18.17
1-2	Fc	6.11	9.9	0.9	6.79	11.00
1-3	Fc	7.00	12.2	0.9	7.78	13.56
1-4	Fc	6.64	11.4	1.0	6.64	11.40
1-5	Fc	7.04	12.2	0.9	7.82	13.56
1-6	Fc	6.73	11.6	1.0	6.73	11.60
1-7	Fc	6.96	11.9	0.9	7.73	13.22
1-8	Fc	6.80	11.9	0.9	7.56	13.22
1-9	Fc	6.86	11.7	0.9	7.62	13.00
2-1	Fc	8.36	14.5	2.1	3.98	6.90
2-10	Fc	7.33	12.6	1.9	3.86	6.63
2-11	Fc	7.60	13.5	1.7	4.47	7.94
2-12	Fc	7.28	12.7	2.0	3.64	6.35
2-13	Fc	7.74	13.5	1.7	4.55	7.94
2-14	Fc	7.00	13.0	1.5	4.67	8.67
2-15	Fc	6.56	11.8	1.1	5.96	10.73
2-16	Fc	5.65	11.2	0.7	8.07	16.00
2-2	Fc	8.10	14.3	1.9	4.26	7.53
2-3	Fc	7.05	13.1	1.5	4.70	8.73
2-4	Fc	7.85	13.6	1.8	4.36	7.56
2-5	Fc	7.25	13.4	1.6	4.53	8.38
2-6	Fc	7.66	12.9	1.8	4.26	7.17
2-7	Fc	7.45	13.5	1.6	4.66	8.44
2-8	Fc	7.46	12.6	1.8	4.14	7.00
2-9	Fc	7.56	13.7	1.6	4.73	8.56



2	5'-11 1/4"		9.4	12.9	13.8	12.8	11.5	10.7	10.5	10.8	11.7	13.1	14.2	12.9	9.9									
			14.3	18.8	19.8	18.3	16.4	15.2	14.9	15.4	16.8	18.9	20.5	19.2	15.1									
			16.1	20.6	20.9	18.4	15.8	14.2	13.9	14.6	16.7	19.6	22.2	21.6	16.4									
			15.0	19.0	18.5	14.9	11.7	10.0	9.8	10.9	13.4	16.9	20.1	20.3	15.2									
			13.4	16.8	15.2	10.9	7.2	5.6	5.7	6.8	9.4	12.9	16.2	17.0	12.8									
			12.6	15.6	13.3	8.6	4.7	3.0	3.2	3.5	6.5	9.6	12.7	14.1	8.8									
			1.8	± 26'-8"	15'-0 1/2"	STAIRS 1-17	10.2	10.9	9.9	7.3	5.1	3.4	1.7	0.6			2.1	3.2	4.9	7.5	10.2	13.2	14.5	11.3
STAIRS 1-16	10.4	12.4				11.5	8.9	6.0	3.5	1.7	0.6	1.9	2.8	4.4		6.9	10.0	12.7	14.3	11.8	STAIRS 2-2			
STAIRS 1-15	10.0	11.2				10.2	7.9	5.6	3.7	2.0	0.8	1.8	2.8	4.5		6.9	9.7	12.1	13.6	11.4	STAIRS 2-3			
STAIRS 1-14	10.2	12.1				11.2	8.7	6.0	3.7	2.0	0.8	1.5	2.5	3.9		5.7	8.1	11.5	13.1	10.1	STAIRS 2-4			
STAIRS 1-13	9.7	11.1				10.2	8.2	5.9	4.0	2.1	0.8	1.6	2.5	3.8		5.8	8.7	11.8	13.4	10.4	STAIRS 2-5			
STAIRS 1-12	10.2	12.1				11.2	8.7	5.9	3.8	2.1	0.9	1.8	2.9	4.7		6.9	9.5	11.6	12.9	11.0	STAIRS 2-6			
STAIRS 1-11	9.9	11.3				10.5	8.4	6.1	4.1	2.2	0.9	1.6	2.6	3.9		6.1	9.1	12.0	13.5	10.8	STAIRS 2-7			
STAIRS 1-10	10.0	12.0				11.1	8.6	5.9	3.9	2.2	0.9	1.8	3.0	4.6		6.7	9.2	11.3	12.6	10.5	STAIRS 2-8			
STAIRS 1-9	10.2	11.7				10.8	8.7	6.3	4.1	2.2	0.9	1.6	2.6	3.9		6.4	9.2	12.1	13.7	11.0	STAIRS 2-9			
STAIRS 1-8	10.0	11.9				11.0	8.4	5.9	4.0	2.3	0.9	1.9	3.0	4.6		6.5	8.7	11.2	12.6	10.1	STAIRS 2-10			
STAIRS 1-7	10.3	11.9				11.1	8.9	6.3	4.1	2.2	0.9	1.7	2.6	4.1		6.6	9.3	12.0	13.5	11.0	STAIRS 2-11			
STAIRS 1-6	9.9	11.6				10.8	8.3	5.9	4.0	2.3	1.0	2.0	3.1	4.5		6.4	8.3	11.3	12.7	9.9	STAIRS 2-12			
STAIRS 1-5	10.4	12.2				11.3	8.9	6.3	4.1	2.2	0.9	1.7	2.7	4.4		6.8	9.6	12.0	13.5	11.2	STAIRS 2-13			
STAIRS 1-4	9.7	11.4				10.5	8.2	5.9	4.1	2.3	1.0	1.5	2.5	3.8		5.7	8.2	11.4	13.0	9.9	STAIRS 2-14			
STAIRS 1-3	10.3	12.2				11.3	8.9	6.2	4.0	2.2	0.9	1.1	1.9	3.5		5.7	8.3	10.3	11.8	9.9	STAIRS 2-15			
STAIRS 1-2	8.8	9.9				9.3	7.7	5.9	4.1	2.3	0.9	0.7	1.4	2.3		4.2	6.9	9.7	11.2	8.8	STAIRS 2-16			
STAIRS 1-1	4.8	5.9				5.7	5.1	4.2	3.3	2.0	0.9													
1.2	5'-8 1/4"	<div>← Stair width - 5'8" →</div>																						
1																								

KLIK LEDpod™ 40SQ Patented

DOUBLE SIDED

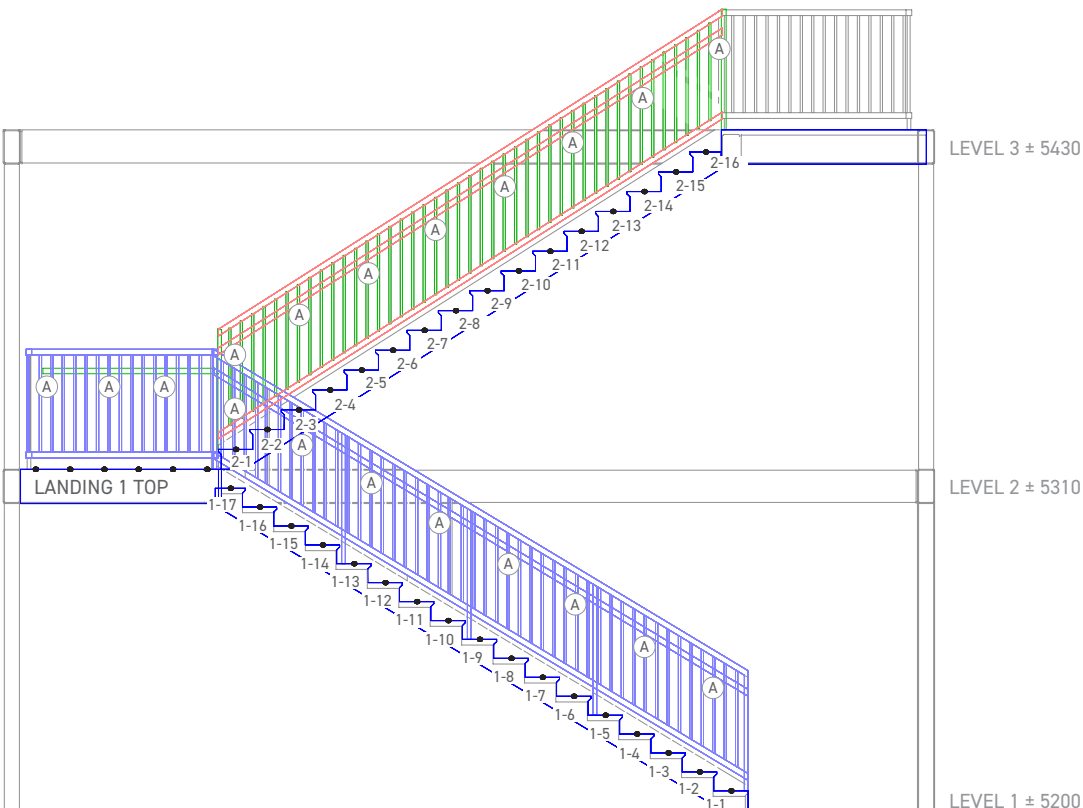


QTY	LABEL	ARRANGEMENT	LUMENS	LLF	DESCRIPTION
42	A	Single	130	0.900	LPOD40SQ-3K-500mA-2.0W-Asym Clear Lens

Landing readings taken on landing. Stair readings taken on stair. (Design based on 2' centers.)

LABEL	UNITS	AVG	MAX	MIN	AVG/MIN	MAX/MIN
Landing	Fc	15.37	23.9	6.6	2.33	3.62

STAIRS	UNITS	AVG	MAX	MIN	AVG/MIN	MAX/MIN
1-1	Fc	7.88	9.6	3.5	2.25	2.74
1-10	Fc	13.25	15.7	6.1	2.17	2.57
1-11	Fc	13.11	15.3	6.2	2.11	2.47
1-12	Fc	13.35	15.7	6.2	2.15	2.53
1-13	Fc	12.69	14.6	6.0	2.12	2.43
1-14	Fc	13.20	15.3	6.4	2.06	2.39
1-15	Fc	12.20	14.0	5.9	2.07	2.37
1-16	Fc	12.61	14.7	6.0	2.10	2.45
1-17	Fc	10.50	12.3	5.0	2.10	2.46
1-2	Fc	11.95	13.9	5.6	2.13	2.48
1-3	Fc	13.63	15.8	6.3	2.16	2.51
1-4	Fc	12.95	15.0	6.2	2.09	2.42
1-5	Fc	13.75	15.9	6.4	2.15	2.48
1-6	Fc	13.18	15.3	6.3	2.09	2.43
1-7	Fc	13.74	15.9	6.8	2.02	2.34
1-8	Fc	13.16	15.5	6.0	2.19	2.58
1-9	Fc	13.45	15.6	6.6	2.04	2.36
2-1	Fc	14.94	17.7	10.8	1.38	1.64
2-10	Fc	14.39	15.6	11.7	1.23	1.33
2-11	Fc	15.03	16.0	12.6	1.19	1.27
2-12	Fc	14.31	15.8	11.8	1.21	1.34
2-13	Fc	15.38	16.3	12.8	1.20	1.27
2-14	Fc	13.70	15.3	11.3	1.21	1.35
2-15	Fc	13.03	13.8	11.0	1.18	1.25
2-16	Fc	11.06	12.5	9.4	1.18	1.33
2-2	Fc	15.96	17.0	13.5	1.18	1.26
2-3	Fc	13.85	15.6	11.2	1.24	1.39
2-4	Fc	15.59	16.6	13.1	1.19	1.27
2-5	Fc	14.33	15.9	11.7	1.22	1.36
2-6	Fc	15.21	16.3	12.6	1.21	1.29
2-7	Fc	14.74	16.0	12.2	1.21	1.31
2-8	Fc	14.74	15.9	12.1	1.22	1.31
2-9	Fc	14.94	16.1	12.6	1.19	1.28



2

1.8

1.2

1

LANDING 1 TOP

5'-11 1/4"

9.512.913.912.911.610.810.711.112.213.614.713.410.3

14.318.919.918.516.615.415.216.017.719.921.420.015.7

16.220.721.118.816.314.614.616.018.521.523.922.917.4

15.219.319.116.413.511.411.413.616.620.022.822.416.9

13.617.316.814.412.19.68.410.714.017.119.819.715.0

12.916.315.613.511.79.46.67.111.414.116.316.810.4

STAIRS 1-17 SIDE 66

STAIRS 1-16 SIDE 62

STAIRS 1-15 SIDE 58

STAIRS 1-14 SIDE 54

STAIRS 1-13 SIDE 50

STAIRS 1-12 SIDE 46

STAIRS 1-11 SIDE 42

STAIRS 1-10 SIDE 38

STAIRS 1-9 SIDE 34

STAIRS 1-8 SIDE 30

STAIRS 1-7 SIDE 26

STAIRS 1-6 SIDE 22

STAIRS 1-5 SIDE 18

STAIRS 1-4 SIDE 14

STAIRS 1-3 SIDE 10

STAIRS 1-2 SIDE 6

STAIRS 1-1 SIDE 2

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12.215.115.815.815.915.813.06.4

11.614.415.014.614.514.812.56.2

12.115.115.615.615.715.812.86.3

10.512.913.713.913.913.711.45.6

6.48.59.39.69.59.27.03.5

10.813.714.715.216.517.717.613.3

13.716.516.716.616.817.016.913.5

11.215.315.013.413.715.215.611.4

13.116.316.416.516.616.516.213.1

11.715.815.614.014.215.515.911.9

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11.815.415.314.214.515.815.711.8

13.116.116.316.216.316.216.012.8

11.315.114.813.213.615.015.311.3

11.313.613.613.713.813.713.511.0

9.512.411.710.510.711.812.59.4

STAIRS 2-1 SIDE 4

STAIRS 2-2 SIDE 8

STAIRS 2-3 SIDE 12

STAIRS 2-4 SIDE 16

STAIRS 2-5 SIDE 20

STAIRS 2-6 SIDE 24

STAIRS 2-7 SIDE 28

STAIRS 2-8 SIDE 32

STAIRS 2-9 SIDE 36

STAIRS 2-10 SIDE 40

STAIRS 2-11 SIDE 44

STAIRS 2-12 SIDE 48

STAIRS 2-13 SIDE 52

STAIRS 2-14 SIDE 56

STAIRS 2-15 SIDE 60

STAIRS 2-16 SIDE 64

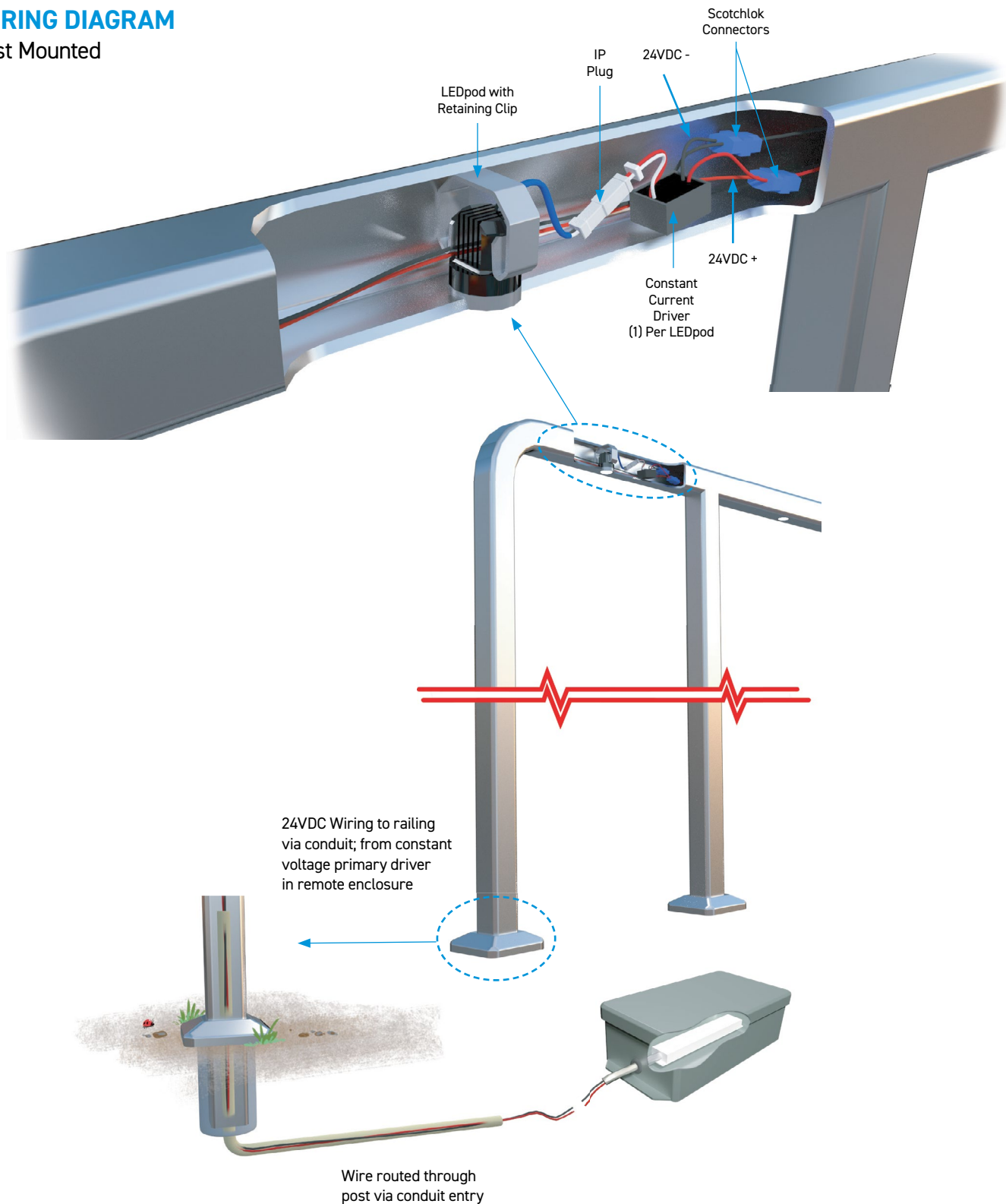
5'-8 1/4"

Stair width - 5'8"

KLIK LEDpod™ 40SQ Patented

WIRING DIAGRAM

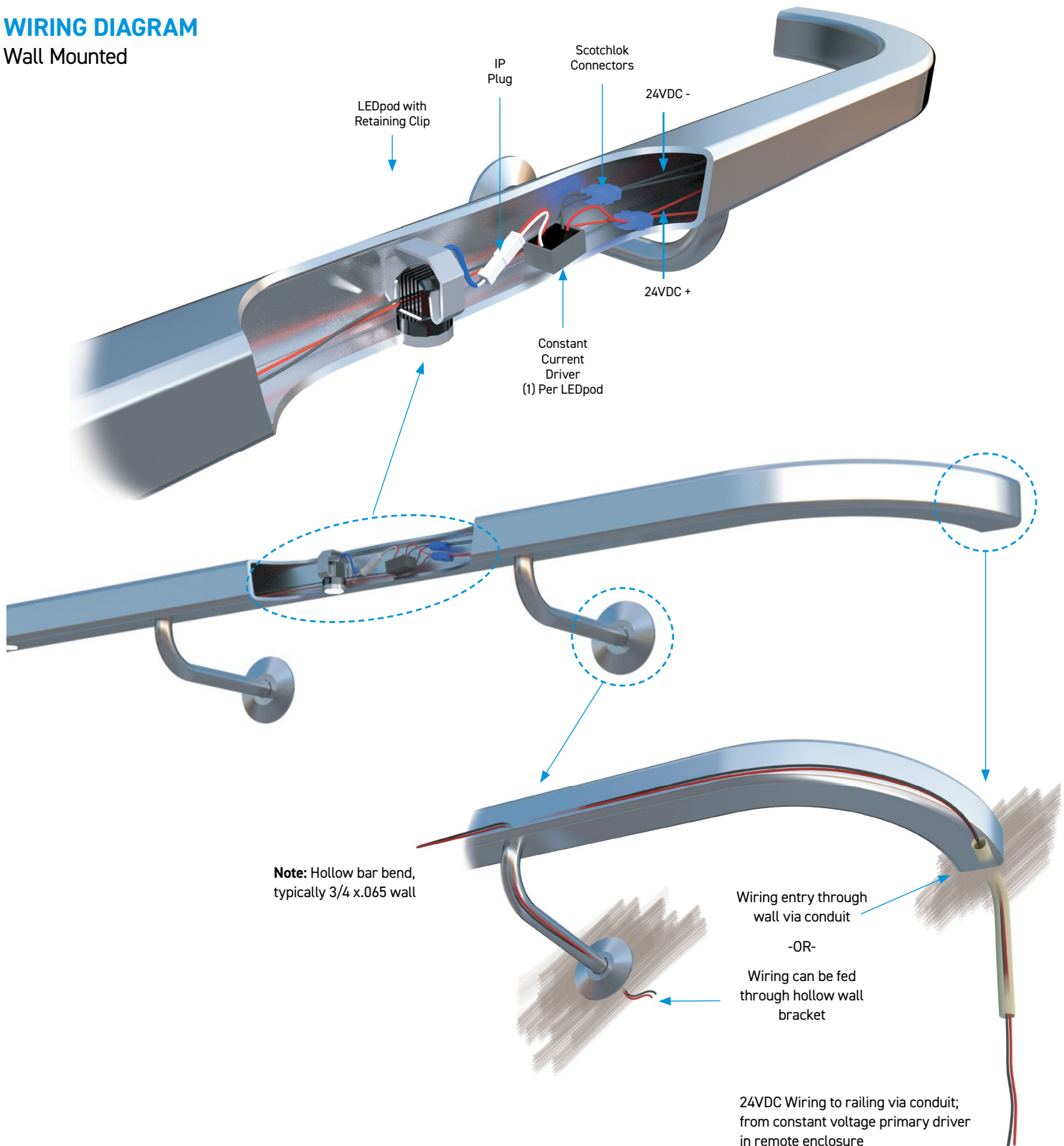
Post Mounted



KLIK LEDpod™ 40SQ Patented

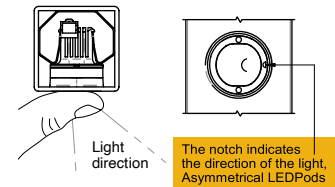
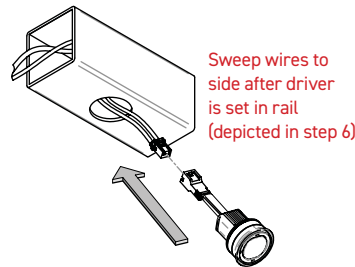
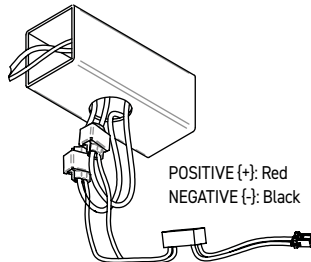
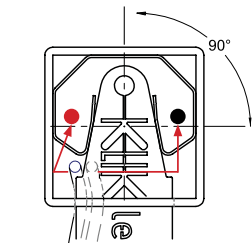
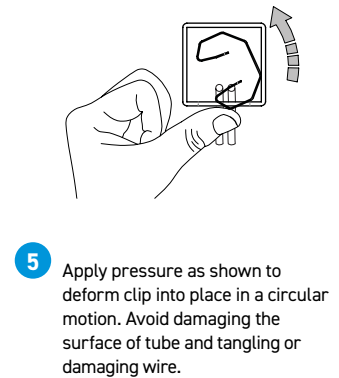
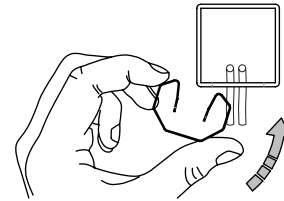
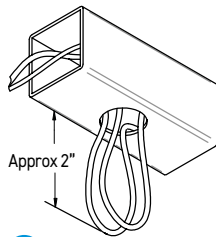
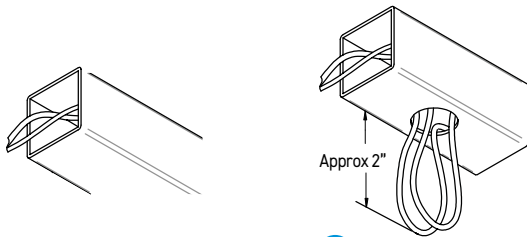
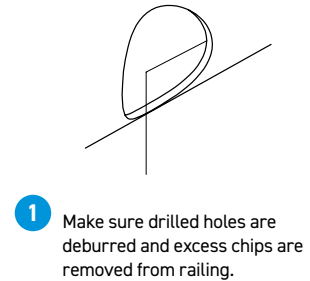
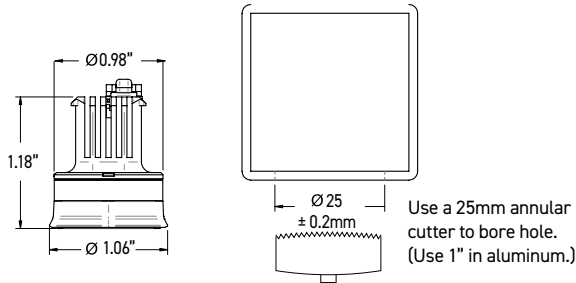
WIRING DIAGRAM

Wall Mounted



KLIK LEDpod™ 40SQ Patented

INSTALLATION INSTRUCTIONS Additional instructions may apply, consult factory.



LEDPOD REMOVAL STEPS

