

Project Name: ..... Location: .....

Specifier: ..... Rep Agency: .....

Fixture Type: ..... Product Code: .....

# KLIK LEDpod™ XL28R40 Patented

## DESCRIPTION

Discrete, easy to install, LED downlight for use in hollow metal structures such as bridges, guardrails, awnings, canopies, trellises and bus shelters. Available in both asymmetric and symmetric options with multiple lens options.

**Note** – Consult factory for guidance on handrail sizing; not intended for standard IBC handrail.

## HOUSING

IP65, IK08, clear anodized aluminum body. Color match anodized as an option to color match the material into which the downlight can be installed. Aluminum housing has a marine grade hard-anodized 25-micron finish, thus preventing galvanic corrosion.

## MOUNTING

Unique concealed internal mounting wings hold the fixture in place, the wings are deployed via patented anti-tamper screws through unobtrusive screw holes in the bezel.

- Designed to suit 2" Pipe [Ø58mm - Ø62mm]
- Minimum internal clearance ~1-3/8", max wall thickness ~1/4"
- Cut Out: Ø~1-1/8"
- Can be customized to suit a thicker wall

## ELECTRICAL/LED DRIVER

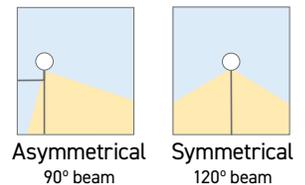
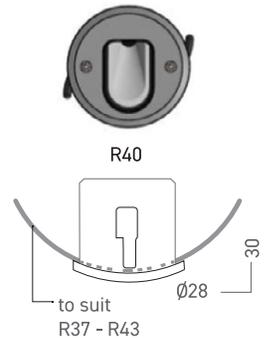
- Input Voltage: 24 VDC
- Primary Driver: KLIK provided Class II, 110 - 277 VAC UL Listed Constant Voltage
- Secondary Driver: 350 - 700mA Constant Current (provided with fixture)
- Control: 0-10V, DALI, DMX [not individually addressable]
- Enclosures: [see details below]
- Wire connectors provided; factory pre-wire available, consult factory

## LISTINGS

- ETL listed, UL 1598/CSA 22.2; CE
- cETL
- IP65 [wet location]
- All IP rated luminaires tested to AS60529-2004 Degrees of protection provided by enclosures (IP Code)
- IK08 or IK10 Impact Resistant
- Class 2 Device
- International Dark Sky Certified [Color temperature must be Amber or <3000K]



Shroud for use in horizontal applications



**ETL listed**  
UL 1598/CSA 22.2; CE



**LED Operating Temp:**  
-40°F – 160°F



**Weatherproof Rating:**  
IP65  
Wet location rated



**3G Vibration**  
per MIL-STD-810G



**Impact resistance:**  
IK08



**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: XL28R4030K500AFLDCLR

Fixture Type	Color Temp [K]	Output [W]	Distribution	Optic	Lens Options	Bezel Color Options <sup>1</sup>	Custom Wall <sup>1</sup>	Control
XL28R40	<b>27K</b> 2700K	<b>350</b> 350mA 1.5W	<b>A</b> Asymmetric	<b>FLD</b> Flood	<b>CLR</b> Clear lens [Std]	- Marine grade anodized [Std]	<b>0.25</b> For 1/4" Wall	- 0-10V Dim
	<b>30K</b> 3000K	<b>500</b> 500mA 1.95W [Std]	<b>S</b> Symmetric		<b>FRS</b> Opaque frost	<b>DUL</b> Dulux Colors - Request Guide		<b>DMX1</b> DMX 1 Ch
	<b>35K</b> 3500K	<b>700</b> 700mA 2.7W			<b>OTK</b> Optical filter	<b>SPC</b> Standard Powdercoat		<b>DMX4</b> DMX 4 Ch
	<b>40K</b> 4000K				<b>SHR</b> Diode Shroud - Horizontal Mount	<b>BRS</b> Antique Brass		<b>PH</b> Phase Dim
	<b>AMB</b> FWC Amber					<b>BLK</b> Black Anodized		
	<b>PCA</b> Phos-converted Amber					<b>BZ</b> Bronze		
	<b>R</b> Red					<b>ANT</b> Dark Antique		
	<b>G</b> Green					<b>GLD</b> Rose Gold		
	<b>B</b> Blue							
	<b>RGB3</b> RGBW 3K <sup>1,2</sup>							
<b>RGB4</b> RGBW 4K <sup>1,2</sup>								

<sup>1</sup>Additional charges and lead time apply for this feature <sup>2</sup> RGBW limited to 4 channels at 175mA [2.5 Watt TOTAL]

LED PERFORMANCE		Outputs based on 3000K			SYMMETRICAL	ASYMMETRICAL
LED:	Cree XT-E	W	mA	V	Delivered Lumens	
CCT:	2700, 3000, 4000 (others available)	1.4	350	3	127	76
CRI:	80-85	1.9	500	3	184	122
Life:	80% at 50k hrs and 85°C	2.7	700	3	242	160
Binning:	3 MacAdam Steps					
Warranty:	5 Year Warranty					

### 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

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

Calculations based on 2' centers between pods. Increased spacing reduces number of pods per circuit.

\*Based on 16 AWG between LEDpods

### REMOTE POWER SUPPLIES [PSUs]

LP040WPRITRDIMIP	Class 2; 40W; 0-10 Dim Constant Voltage Remote PSU [IP67 (Temp Submersion) Rated; -40°C ~ +85°C]
LP096WPRITRDIM	Class 2, 96W, 0-10 Dim Constant Voltage Remote PSU [IP67 (Temp Submersion) Rated; -40°C ~ +80°C]
LP100WPRITRDIM	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]
LPQZ96WUNV24VDMX4CH	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 LP100WPRITRDIM, 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.

# KLIK LEDpod™ XL28R40 Patented FOOTCANDLE CHART

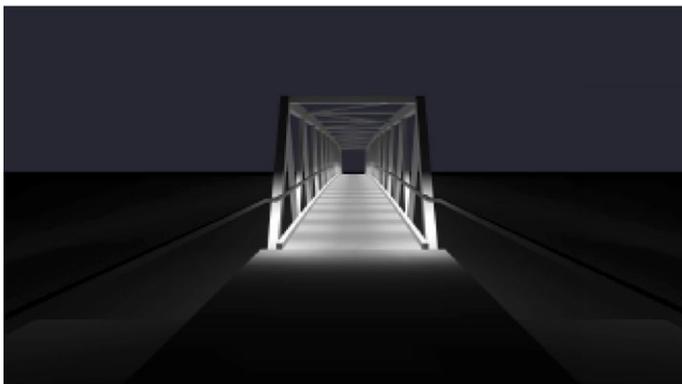
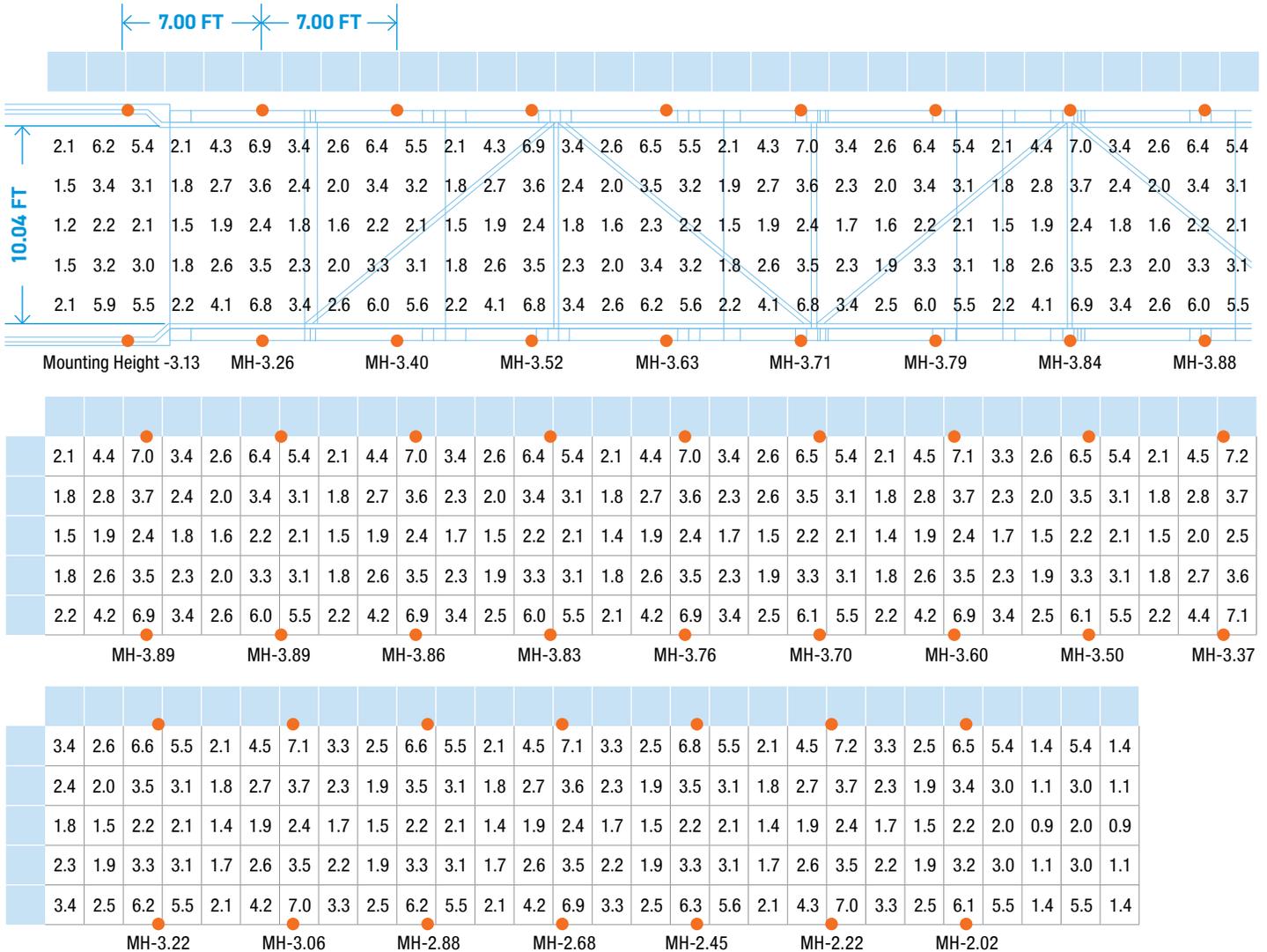
## Luminaire Schedule

Symbol	Qty	Label	Arrangement	Luminaire Lumens	LLF	Description	Filename
●	50	A	Single	154	0.900	XL28R40-Dir-PCLens-AsymRe	XL28R40-Dir-PCLens-AsymRefW-LPOD-500mA-3000K-0.025m-451660-C.ies

MH = Mounting Height [ft]

## Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Description
Bridge	Illuminance	Fc	3.21	7.20	0.90	3.57	8.00	readings taken at grade



# KLIK LEDpod™ XL28R40 Patented FOOTCANDLE CHART

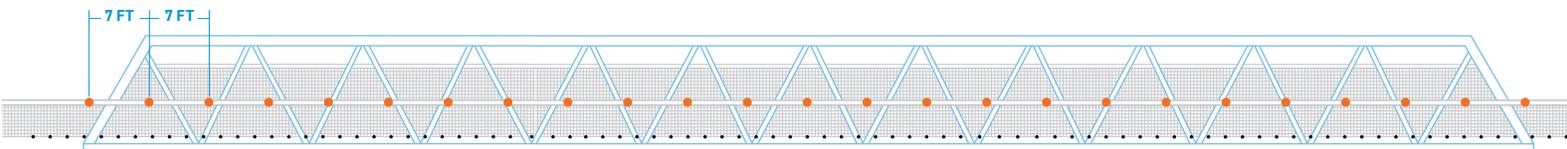
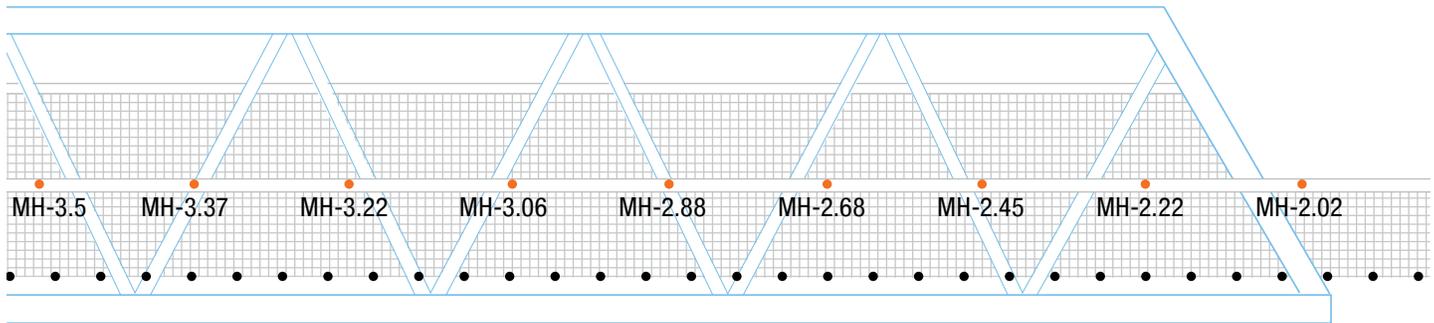
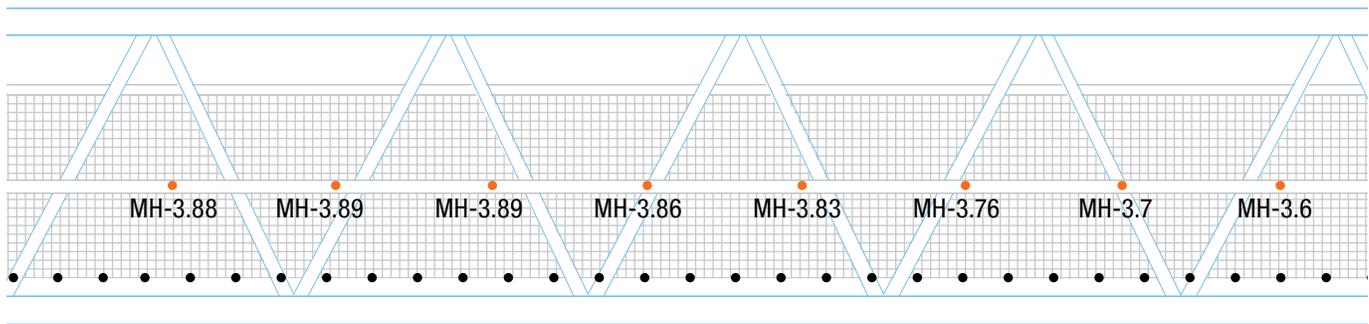
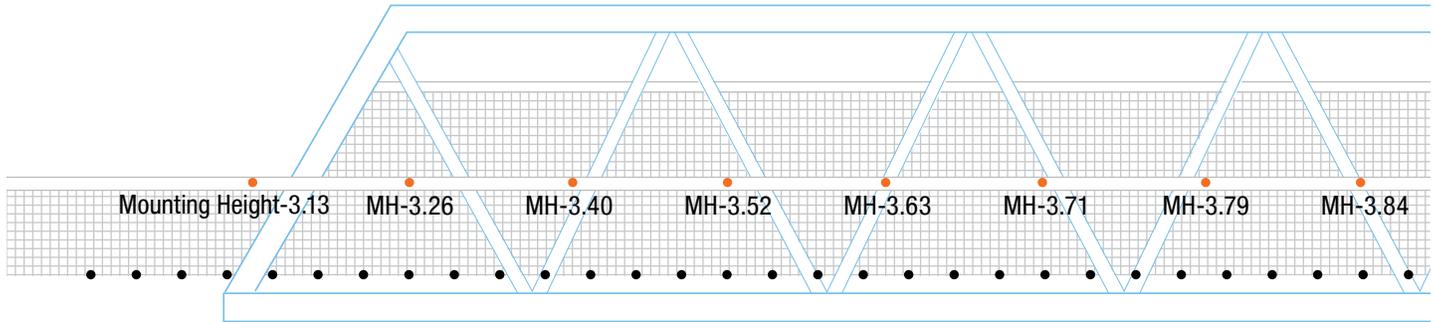
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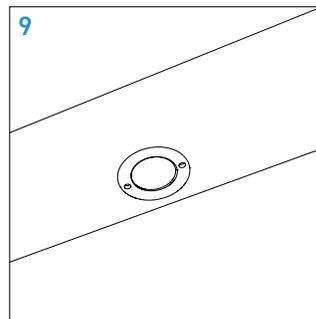
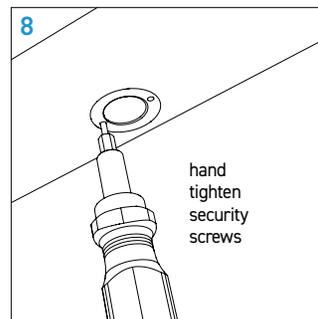
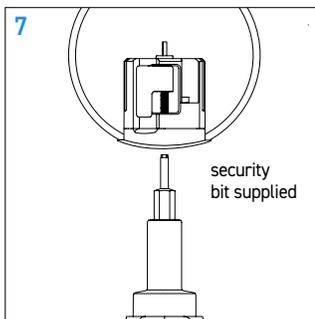
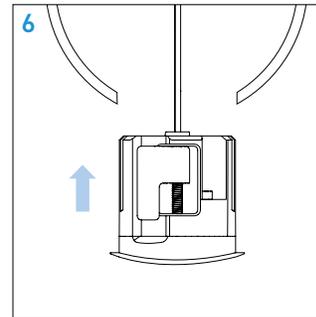
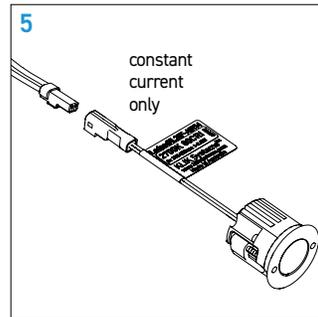
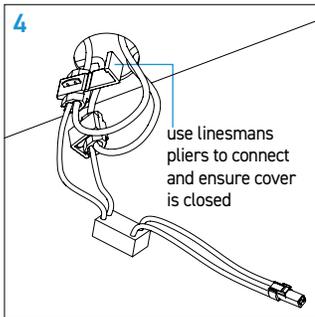
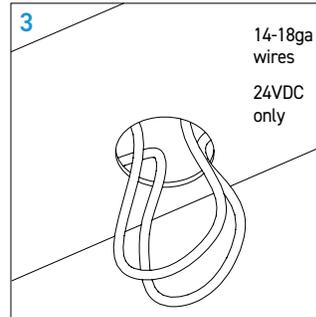
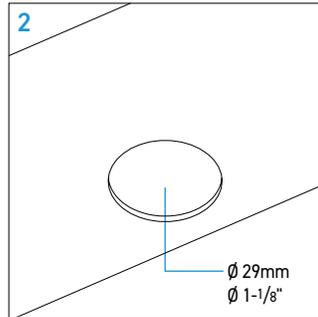
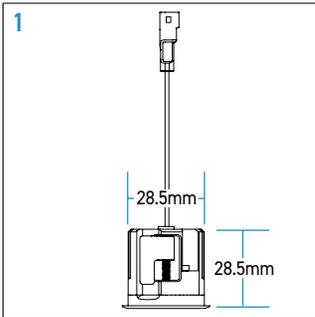
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Description
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The mounting height varies, please see above [MH-X.XX]

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## INSTALLATION INSTRUCTIONS Additional instructions may apply, consult factory.



### WARNING

- Risk of fire or electric shock.
- Disconnect all power before installing or servicing.
- Installation Instruction for qualified electricians only.
- Install per National Electrical Code and local regulations.
- Read Installation Instructions completely before installation.
- Failure to follow Installation Instructions may void warranties.

To reduce risk of electric shock turn off the electrical supply before installing or servicing the light fixtures and driver. Failure to do so may result in serious injury and/or damage to the components.

This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.

The light source contained in this luminaire shall only be replaced by the manufacturer or the service agent or a similar qualified person.