

HENRIC LED Cylinder 3"

Pendant & Surface Round Downlights



Small yet powerful, the HENRIC 3" LED cylinders delivers up to 1700 lumens. Combining compact design with high performance, they come with a wide selection of optics, trim styles, beam spreads, CCT, CRI, mounting options, and more-giving you the flexibility to meet diverse project needs. Available in an extensive range of configurations, these mini cylinders adapt to virtually any design requirement. A designer favorite, they provide superior lighting performance for every application.

Feature

- Fully modular cylinder, configure over 10,000 possibilities
- Choose from a wide range of beam angles: 15°, 24°, 36°, 60°
- COB LED: 4 Fixed CCT 90+ CRI or Dim to Warm 95+ CRI options
- Options for anti-glare trim, drop lens, decorative kit or wall wash
- 2 in 1 Dimming: 0-10V (Dim to 1%) and TRIAC in one package
- Versatile mounting with cable pendant, stem pendant, or surface



PERFORMANCE

Wattage	Efficacy@3000K	Delivered Lumens @3000K	Dim to Warm 3000K~2000K 95+ CRI
5W	95LM/W	475LM	Up to 13W 1200LM 95LM/W
8W	100LM/W	800LM	
10W	99LM/W	990LM	
13W	95LM/W	1235LM	
16W	91LM/W	1456LM	
19W	89LM/W	1690LM	

Remark: The lumens are subject to 3000K, 90+ CRI, 24° beam angle with white anti-glare trim. Lumen output may vary ± 5% base on different CCT, beam angle and trim.



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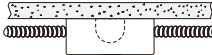






PRODUCT ORDERING GUIDE

Example: HR-3-R-WH-1600L-DT1-9027-W-AW-PC02-RJ

*Available For Quickship - Coming Soon.

Product Family	Product Size	Product Shape	Finish	Wattage/ Lumens	Dimming Options	CRI Options	LED Color Options	Beam Options	Trim Options	Mounting
HR HENRIC Cylinder	3 QuickShip 3inch, Wattage Selectable 19W/16W/13W/10W/8W/5W	R QuickShip Round	WH QuickShip White BL QuickShip Black CM Make to Order Custom Colors*	1600L QuickShip Up to 19W, 1600LM ▲ Remark: The lumen is subject to 3000K, 90+ CRI, 24° beam angle, with white trim.	DT1 QuickShip 0-10V, (Dim To 1%) Or TRIAC Dimming	90 QuickShip 90+ CRI 95 QuickShip 95+ CRI (ONLY For Dim To Warm)	27 QuickShip 2700K Cree COB 30 QuickShip 3000K Cree COB 35 QuickShip 3500K Cree COB 40 QuickShip 4000K Cree COB DW QuickShip Dim to Warm 3000K-2000K Bridgelux COB (13W Max)	N QuickShip Narrow Beam, 15° M QuickShip Medium Beam, 24° W QuickShip Wide Beam, 36° F QuickShip Flood Beam, 60°	Anti-glare Trim AW White Trim QuickShip AB Black Trim QuickShip AG Gold Trim QuickShip AC Chrome Trim QuickShip Wall Wash Trim WW White QuickShip WB Black QuickShip Drop Lens DL QuickShip 1inch thickness drop lens	PC QuickShip Pendant Cable PS QuickShip Pendant Rigid Stem SM QuickShip Surface

Cable / Stem Length [Pendant Only]	Ceiling Type	Optic Media(Optional)	Emergency Function
02 QuickShip 2' Nominal Length 04 QuickShip 4' Nominal Length 08 QuickShip 8' Nominal Length 12 QuickShip 12' Nominal Length	RJ QuickShip Pendant With Flat Canopy Style For Recessed J-Box  SJ QuickShip Pendant With Conduit Cutout Deep Canopy Style For Surface Mounted 4" Octagonal Junction Box.  * The color of canopy, cable and stem are the same as the finish unless otherwise specified.	{Blank} QuickShip None HB QuickShip Honeycomb (Only for anti-glare trim)  Decorative Kit (Only for anti-glare trim) 	{Blank} QuickShip None EME QuickShip Emergency Optional high voltage 8W emergency LED driver EM-H08170-LBF can be provided. For more info or spec sheet, please visit our website or contact sales.  LED Emergency Driver (External)  Indicator (Built-in Canopy)

*Make to Order means additional cost and/or lead time on customized fixtures may apply. Some fixtures require an MOQ. Please contact your sales rep for more information.

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STRUCTURE

► Finish

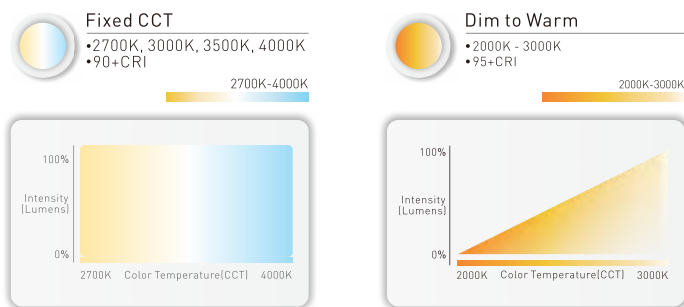
Constructed of extruded aluminum. Powder coated polyester paint that comes standard in white and black.

► Optics

It was powered by high efficiency COB LED chip with 15° / 24° / 36° / 60° fixed beam spread options or drop lens 110°. Cylinder beamsreads are interchangeable which can be easily swapped out in the field without tools.

► LED System

LED	Powered by CREE or Bridgelux high efficiency COB LED chip.
CRI	90+ for fixed CCT or 95+ CRI for Dim to Warm, producing outstanding illumination at a tight chromaticity specification and color binning process.
CCT	2700K, 3000K, 3500K and 4000K fixed CCT with a great color consistency or Dim to Warm from 3000K to 2000K.
Light Engine	Aluminum housing acting as the heat sink to maximize life. The temperature of all heatsinks are controlled at 60-70°C.



► Electrical

LED Driver	It is powered by Class 2 high efficiency LED driver, with a standard 0-10V dimming which continuous dims to 1% or Triac dimming that works with many types of controls. Thermal overload protection shuts down the luminaire when system temperatures exceed designed operating conditions.
THD	<20%
Power Factor	>0.9
Input Voltage	Standard electronic drivers are cULus recognized and available for 110-277V AC.
Environment	Environment damp rated for ambient operating temperature of -20°C to +40°C (-4°F to +104°F)

► Listings

- cULus listed for damp locations
- Five-year warranty for parts and components. (Labor not included)

NOTES:

- Ambient temperatures at fixture location should not exceed 40°C during normal operation.
- For interior use only

► Mounting-Pendant

Cable Pendant

White/black power cable is provided in length specified (2' nominal, 4' nominal, 8' nominal or 12' nominal). Installers can cut the cable in the field to desired length.

Stem Pendant

Ø12/25" steel stem is provided in length specified (2' nominal, 4' nominal, 8' nominal or 12' nominal) and is provided in white or black finish.

Canopy Options

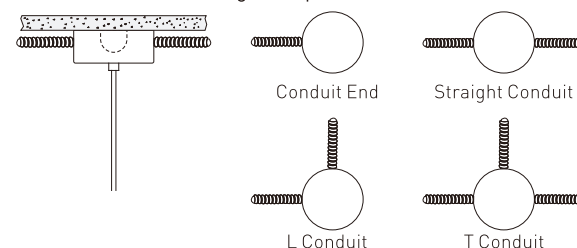
Flat Canopy For Recessed J-box

If J-box is recessed (3" octagon, 4" octagon and 4" round), a 4.5" flat canopy is provided for mounting to recessed junction box in white or black powder coat painted finish.

Conduit Cutout Deep Canopy For Surface Mount J-box

If standard 4" octagonal J-box is surface mounted, a Ø5.97" round x 2.38" deep canopy with conduit cutout is provided for mounting. Conduit cutout canopy has 4 key slots, one in each side, and can be configured to accommodate any ceiling layout using 1/2" or 3/8" conduit. Conduit cutout canopy is provided white and black powder coat painted finish.

Conduit cutout mounting example



► Mounting-Surface

For Recessed J-box

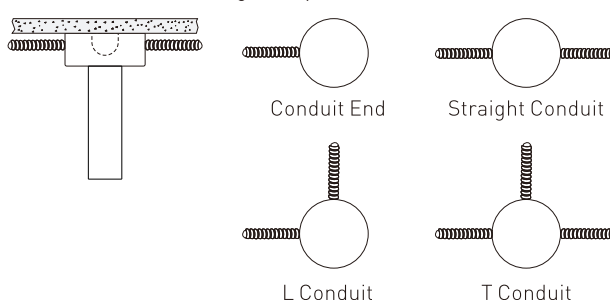
If recessed J-box is existing (3" octagon, 4" octagon and 4" round), the cylinder can be mounted directly to recessed mounted junction box.



For Surface Mount J-box

If standard 4" octagonal J-box is surface mounted, a Ø5.97" round x 2.38" deep canopy with conduit cutout is provided for mounting. Conduit cutout canopy has 4 key slots, one in each side, and can be configured to accommodate any ceiling layout using 1/2" or 3/8" conduit. Conduit cutout canopy is provided white and black powder coat painted finish.

Conduit cutout mounting example



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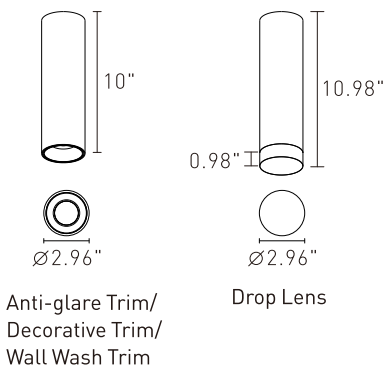
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CONFIGURATION

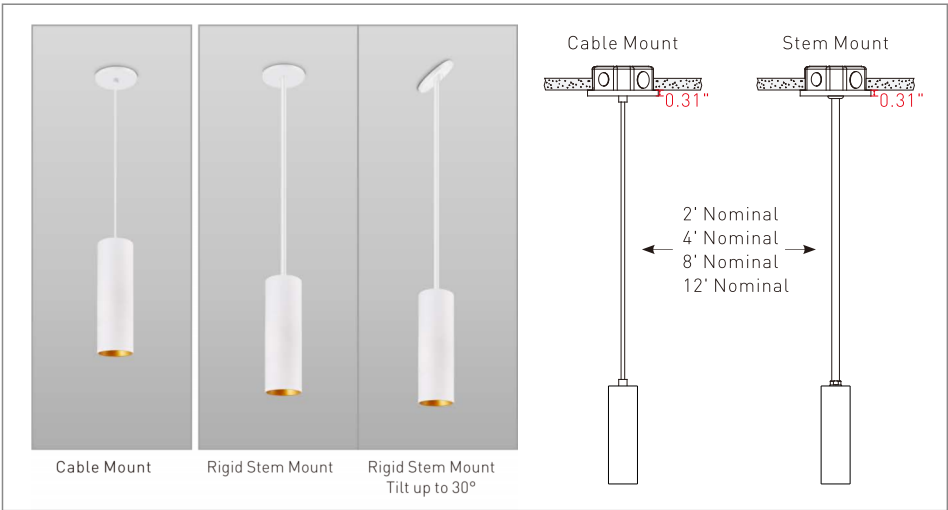


DIMENSIONS



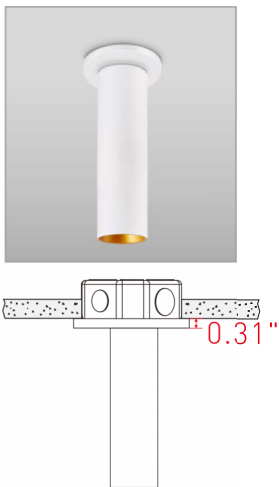
PENDANT OPTIONS

Pendant With Flat Canopy For Recessed J-Box

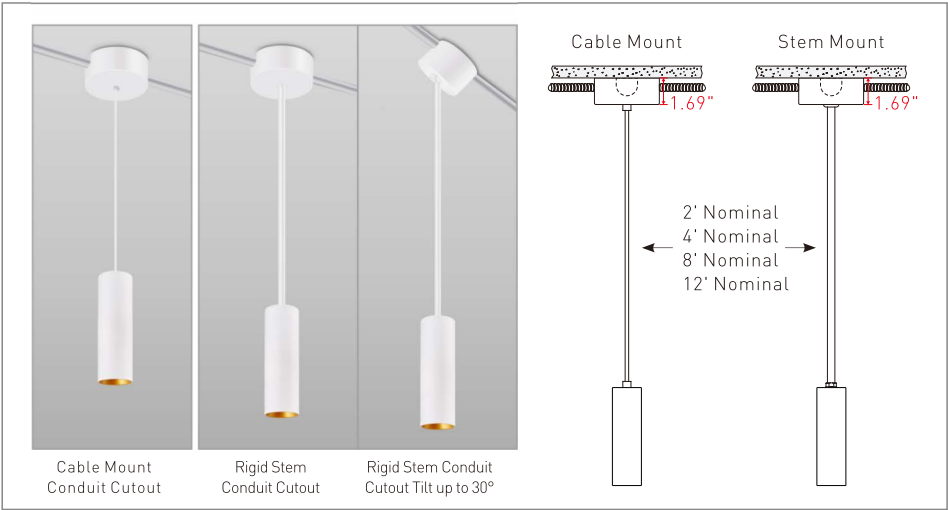


SURFACE OPTIONS

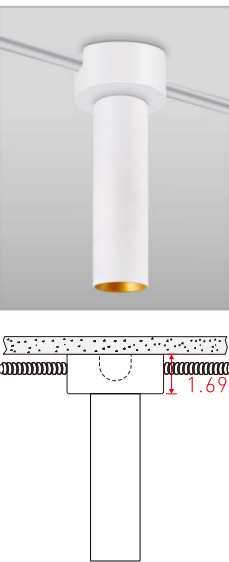
Surface Mount To Recessed Junction Box



Pendant With Conduit Cutout Deep Canopy For Surface 4" Octagonal Junction Box



Surface Mount With Conduit Cutout For Surface Mounted 4" Octagonal Junction Box

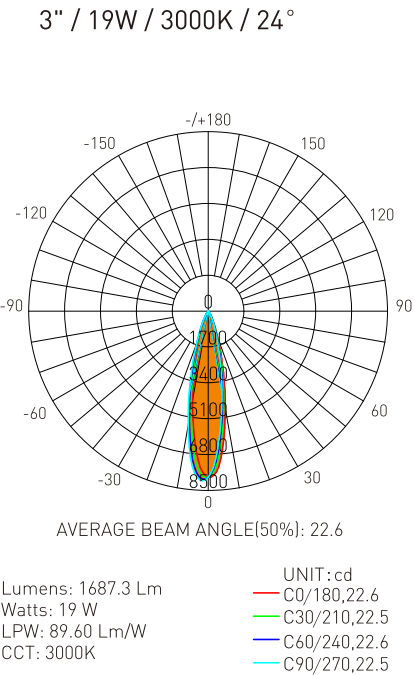


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DISTRIBUTION DIAGRAM



Zonal Flux Diagram					
T	C0	C45	C90	C135	C180
10	4692	4157	3789	3903	4333
20	1363	1157	1005	1035	1168
30	307.5	269.5	220.7	207.2	240.7
40	14.08	14.54	14.73	14.24	13.66
50	4.167	4.152	4.343	4.449	4.585
60	2.910	3.014	3.282	3.277	3.334
70	1.667	1.879	2.086	2.094	1.894
80	0.4451	0.4716	0.6493	0.5151	0.4606
90	0.0311	0.0135	0.0317	0.0091	0.0223
100	0.0266	0.0450	0.0227	0.0453	0.0444
110	0.2036	0.2749	0.3032	0.3265	0.0979
120	1.077	1.306	1.511	1.500	0.5293
130	3.854	4.383	4.893	4.808	2.099
140	8.471	9.035	9.516	9.460	6.040
150	11.99	12.27	12.49	12.45	10.65
160	13.21	13.05	13.10	12.98	12.59
170	11.69	11.24	11.06	10.99	11.16
180	9.987	10.21	10.16	10.30	10.01
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens	
T	Φ total
0-10	576.8
10-20	1287
20-30	1588
30-40	1652
40-50	1658
50-60	1661
60-70	1664
70-80	1665
80-90	1665
90-100	1665
100-110	1665
110-120	1666
120-130	1667
130-140	1671
140-150	1677
150-160	1683
160-170	1686
170-180	1687
UNIT: lm	

Luminance cd/(m2)		
G(DEG)	C0/180	C90/270
85	180	638
80	744	1063
75	1112	1426
70	1414	1735
65	1711	1995
60	1689	1866
55	1756	1832
50	1881	1921
45	2314	2250