






## QHC - Modular Chassis LED Hi-Bay


-  Move up to the next level of lighting with the QHC LED Hi-Bay

  - The integral sensor, excellent thermal performance, advanced discrete optics, state-of-the-art LED engine and cast housing combine in an aesthetic package to provide exceptional lighting performance.
-  Controls = Cost Savings

  - The QHC's low wattages combined with occupancy sensors can drastically reduce the energy usage in your warehouse and create compelling paybacks.
-  Ease of Installation

  - The QHC's simple 3-step installation:
    1. Hang Gripple
    2. Snap Gripple Hook Hangers to Fixture
    3. Plug-in Fixture and Go!
-  Optics

  - Bad lighting is often characterized by having spots that are either too bright or too dark.
  - We took great care in designing the optics for the QHC to ensure an even distribution with a low max/min ratio.
-  Adaptive Thermal Technology

  - Heat is a critical factor in determining the performance of an LEDs fixture. Too much and it can reduce component life and cause premature failures.
  - An integral thermistor circuit protects the fixture and dials back current to the LEDs in the event the fixture becomes too hot.
-  Why P2? Simple, Our Experience

  - While many manufacturers promise long life and maintenance free performance from their LED products, it takes a real expert to create a fixture that delivers on that promise.
  - We have spent months designing, testing and re-designing our LED line in order to give you the highest quality products that deliver on the promises of LEDs .

### Modular Chassis LED Hi-Bay



### Application



### QHC-135W-277-60C-700-51K-AAO

QHC	135W	277	60C	700	51K	AAO				
Model	Input Watts	Voltage	Qty of LED Chips	Driver Current	Color Temp.	Optics	Occupancy Sensor	Cord & Plug	Other	Mounting

Model  
QHC = LED Hi-Bay

Input Watts (Nominal)  
135W = 135 Watt

Voltage  
277 = 277 VAC  
347 = 347 VAC  
480 = 480 VAC

Qty of LED Chips  
60C = 60 Chip Board

Drive Current  
700 = 700 mA Drive Current

Color Temperature  
51K = 5100 Kelvin

Optics  
AAO = Asymmetrical Aisle Optics  
OAO = Open Area Optics

Occupancy Sensor  
3VH = 360° View Hi Bay

Cord and Plug  
C8 = 8' Cord  
C15/L715 = 8' Cord & 277 V Twist Lock Plug  
C8/515 = 8' Cord & 120 V Plug

Other  
QTB = QHC Top Box for Poke-in Connectors

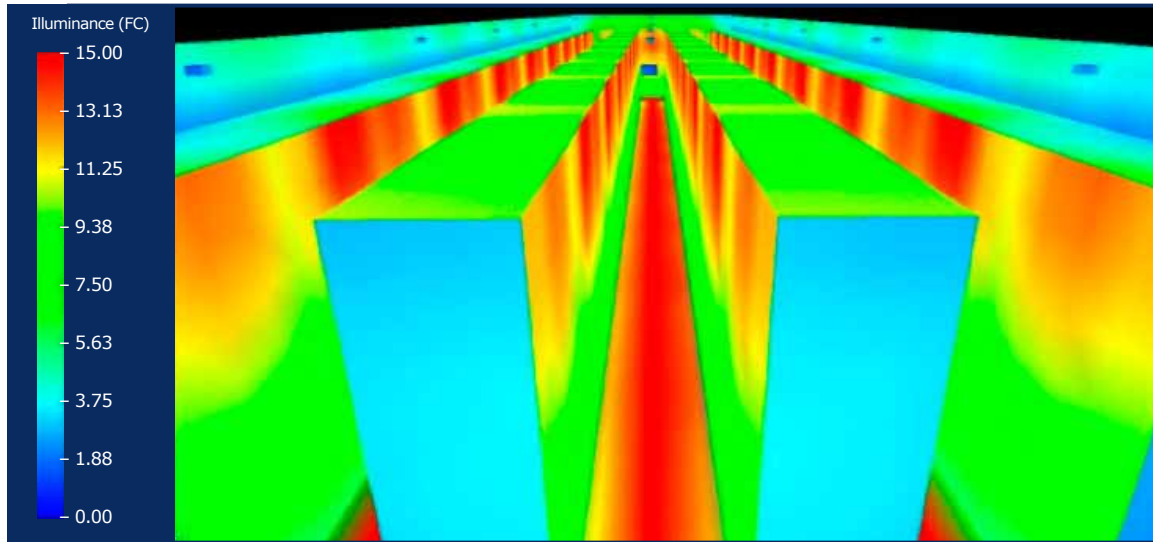
Mounting  
10GYSH = 10' Gripple Y Snap-Hook Hangers

Chassis (Order Separately)  
QHC-2CC = 2 Chassis Connector  
QHC-3CC = 3 Chassis Connector

Notes  
(1) Contact Factory for Assistance with Ordering.  
(2) DLC Listed Configurations Available

## QHC - Modular Chassis LED Hi-Bay

### Less Energy, Better Performance



#### Light Level Comparison

System	Work Plane 36" A.F.F.		Vertical Racks	
	Avg	Avg/Min Ratio	Avg	Avg/Min Ratio
IES Recom.	10.00	5.00	5.00	5.00
<b>QHC-135W</b>	<b>21.60</b>	<b>1.14</b>	<b>9.66</b>	<b>1.93</b>
4L-T5HO	17.20	1.15	11.90	2.38

Based On: 30' Mounting Height, 20' Spacing All Light Level Readings are in FC (Foot Candles)

#### Existing System

Existing Hi-Bay System	Lamp Quantity & Type	Initial Lamp Lumens	Lumen Maintenance	EOL(1) Lumens All Lamps	Total Fixture Lumens	Ballast Factor	Fixture Efficiency	EOL(1) Lumens Per Fixt	S/P (2) Ratio	Net (3) EOL Lumens	Fixture Input Watts
MH250	1 Std MH250	20,500	58%	11,890	11,890	1.00	0.75	8,918	1.49	12,171	295
MH320PS	1 PS MH320	31,700	62%	19,654	19,654	1.00	0.75	14,741	1.49	20,119	368
MH400	1 Std MH400	38,000	58%	22,040	22,040	1.00	0.75	16,530	1.49	22,561	458
HPS400	1 Std HPS400	50,000	70%	35,000	35,000	1.00	0.75	26,250	0.62	18,080	464
4L-T5HO	4 FP54T5HO	5,000	93%	4,650	18,600	1.00	0.92	17,112	1.62	24,930	234
6L-T8 Plus	6 F32T8/841	2,950	90%	2,655	15,930	1.18	0.9	16,918	1.62	24,647	218

#### Re-Lighting Options

Proposed Hi-Bay System	Chassis Qty & Type	Initial Lamp Lumens	Lumen Maintenance	EOL(1) Lumens All Lamps	Total Fixture Lumens	Ballast Factor	Fixture Efficiency	EOL(1) Lumens Per Fixt	S/P (2) Ratio	Net (3) EOL Lumens	Fixture Input Watts
QHC-135W	1 QHC-135W	12,483	90%	11,235	11,235	1.00	1	11,235	1.62	16,368	131.7
QHC-270W-2CC	2 QHC-135W	24,966	90%	22,469	22,469	1.00	1	22,469	1.62	32,735	263.4
QHC-405W-3CC	3 QHC-135W	37,449	90%	33,704	33,704	1.00	1	33,704	1.62	49,103	395.1

(1) EOL = End of Life (2) S/P Ratio = Scotopic to Photopic Lumens (3) Net EOL Lumens = EOL Lumens Per Fixture x (S/P).78 [.78 exponent]

#### General Notes

- Lamp/ballast system values shown are a general reference intended to supply a quick comparison of several common lamp/ballast systems, the associated energy consumption and net lumen output.
- Values shown are based on normal operating temperatures (25c T8 and 35c T5) and at 277 volts.
- Fixture efficiency percentages are generally representative of each system type, actual values will vary.
- There are many operating variables that affect system output, in addition to rating variances from brand to brand.
- All T8 electronic ballast values shown are based on Ultra Efficient (aka 3rd Generation) T8 ballasts.
- All T5 and T8 lamp values shown are for basic grade lamps. Extended life and higher lumen lamps types are available.
- In addition to those shown there are a wide variety of systems to choose from, each with distinct features and cost points.
- Please consult the lamp/ballast manufacturer's catalogs for the detailed information required to model your system.