# Industrial high bays. Built tough.

High ambient rating. Replace up to 400W MH.



# FALCOR®

- Replace up to 400W metal halide high bays
- Available with standard 120° downlight or aisle lighter optics
- Three power packages: 80, 160 and 230W
- Multiple mounting options: pendant, surface or chain
- Diffusion lens reduces glare
- 0-10V dimming available
- 100,000-Hour LED lifespan

All are DLC listed except 3000K models



Aisle lighter optics available for all wattages



Backbox designed for surface mount or pendant mount *(pendant by others)* 



Turnbuckle latch for easy access and installation



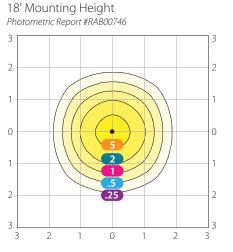
V Hooks included for optional chain mounting *(chain by others)* 



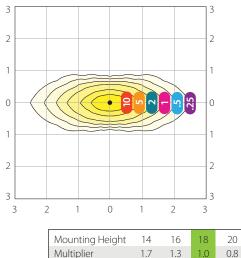


### Photometrics

#### FALCOR 80W

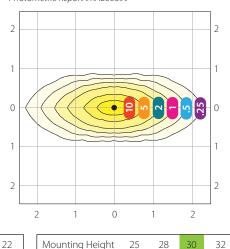


FALCOR Aisle Lighter 80W 18' Mounting Height Photometric Report #RAB00905



FALCOR 160W

**FALCOR Aisle Lighter 160W** 30' Mounting Height *Photometric Report #RAB00899* 



1.4

1.2

0.7

Multiplier

FALCOR 230W

30' Mounting Height

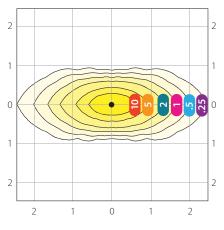
Photometric Report #RAB00722

2

1

FALCOR Aisle Lighter 230W 30' Mounting Height

Photometric Report #RAB00723



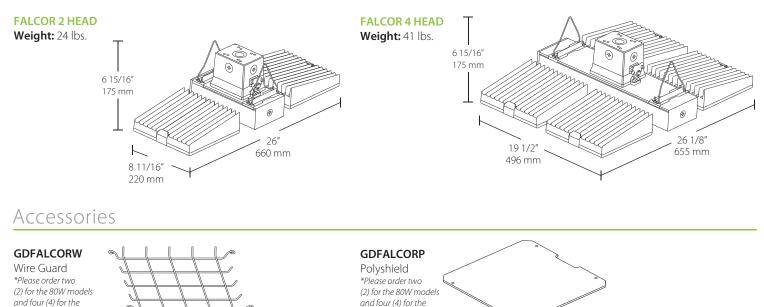
Grid scales: Multiples of mounting height Values shown in footcandles

35

0.8 0.7

## Dimensions & weights

160W and 230W models.



160W and 230W models.

## FALCOR<sup>®</sup> Specifications

#### UL Listing: Suitable for wet locations

LEDs: Long-life, high-efficiency surface mount LEDs

**Lifespan:** 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

#### Drivers:

**80W:** Constant current, Class 2, 100 - 277V and 480V, 50/60 Hz, 120V: 0.68A, 208V: 0.42A, 240V: 0.36A, 277V: 0.30A, THD <20%, Power Factor >90%, 4kV surge protection

**160W:** Constant current, Class 2, 100 - 277V and 480V, 50/60 Hz, 120V: 1.32A, 208V: 0.80A, 240V: 0.69A, 277V: 0.58A, Factor >90%, 4kV surge protection

**230W:** Constant current, Class 2, 100 - 277V and 4800,502000,H2pwer 120V: 1.99A, 208V: 1.2A, 240V: 1.04A, 277V: 0.88A, Factor >90%, 4kV surge protection

#### Ambient Temperature: Suitable for use in 55°C THBier2016rRperatures

Thermal Management: Superior thermal management with external "Air Flow" fins

Housing: Die-cast aluminum

**Mounting:** Flush mount, V hook for chain mount 3/4" NPS for pendant mount (*pendant by others*)

Lens: Solite glass

(chain by others), or

**Reflector:** Vacuum-metalized polycarbonate

**Optics:** 120° Downlight (FALCOR). Also available as an aisle lighter (FALCORA).

Gaskets: High-temperature silicone gaskets

**Color Stability:** LED color temperature is warrantied to shift no more than 200K in CCT over a 5 year period.

**Color Uniformity:** RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2015.

**Finish:** Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contain no VOC or toxic heavy metals.

**Green Technology:** Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

**IESNA LM-79 & LM-80 Testing:** RAB LED luminaires have been tested in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

**California Title 24:** FALCOR and FALCORA with optional 0-10V dimming driver comply with 2013 California Title 24 building and electrical codes as a commercial indoor fixture for corridors, stairwells, warehouses, and covered parking garages when used with the RAB Stealth Dimmer. Use catalog code STLDIM10 to order a Stealth Dimmer module.

#### HIGH BAYS

HIGH BAYS			
FALCOR 80W (2 Heads)			
Color Temperature	5000K	4000K	3000K
Input Watts	79	80	82
Output Lumens	6,965	6,678	5,907
Lumens Per Watt	88	84	72
Color Accuracy (CRI)	72	75	81
FALCOR 160W (4 Heads)			
Color Temperature	5000K	4000K	3000K
Input Watts	157	160	164
Output Lumens	14,304	13,766	12,218
Lumens Per Watt	91	86	74
Color Accuracy (CRI)	72	74	74
FALCOR 230W (4 Heads)			
Color Temperature	5000K	4000K	3000K
Input Watts	235	240	243
Output Lumens	21,612	20,736	18,211
Lumens Per Watt	92	86	75
Color Accuracy (CRI)	71	74	80
AISLE LIGHTERS			
FALCORA 80W (2 Heads)			
Color Temperature	5000K	4000K	3000K
Input Watts	79	80	82
Output Lumens	6,750	6,421	5,954
Lumens Per Watt	80	80	73
Color Accuracy (CRI)	72	75	81
FALCORA 160W (4 Heads)			
Color Temperature	5000K	4000K	3000K
Input Watts	157	160	164
Output Lumens	12.000	12 226	11,816
	13,889	13,226	11,810
Lumens Per Watt	13,889 89	83	72
Lumens Per Watt Color Accuracy (CRI)	,	,	
	89	83	72
Color Accuracy (CRI)	89	83	72
Color Accuracy (CRI) FALCORA 230W (4 Heads) Color Temperature	89 72	83 74	72 81
Color Accuracy (CRI) FALCORA 230W (4 Heads) Color Temperature Input Watts	89 72 <b>5000K</b>	83 74 <b>4000K</b>	72 81 <b>3000K</b>
Color Accuracy (CRI) FALCORA 230W (4 Heads) Color Temperature	89 72 <b>5000K</b> 235	83 74 <b>4000K</b> 240	72 81 <b>3000K</b> 243
Color Accuracy (CRI) FALCORA 230W (4 Heads) Color Temperature Input Watts Output Lumens	89 72 <b>5000K</b> 235 19,852	83 74 <b>4000K</b> 240 19,152	72 81 <b>3000K</b> 243 16,694

480V On/Off

### Ordering information

Product Family		Wattage		Color Temp		Finish		Driver Options	
							W		
FALCOR	High bay	80	80W (2 heads)	Blank	5000K	w	White	Blank	120-277V On/Off
FALCORA	Aisle Lighter	160	160W (4 heads)	N	4000K			/D10	0-10V Dimming (120-277V)
		230	230W (4 heads)	Y	3000K			/D10/LC	0-10V Dimming (120-277V) with Lightcloud®
								/D10/LCS	0-10V Dimming (120-277V)
									with Lightcloud® Sensor