

Industrial high bays. Built tough.

Water and dust tight.
High ambient rating.
Replace up to 400W MH.



RAB[®]
LIGHTING
RABWEB.COM • 888 722-1000

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



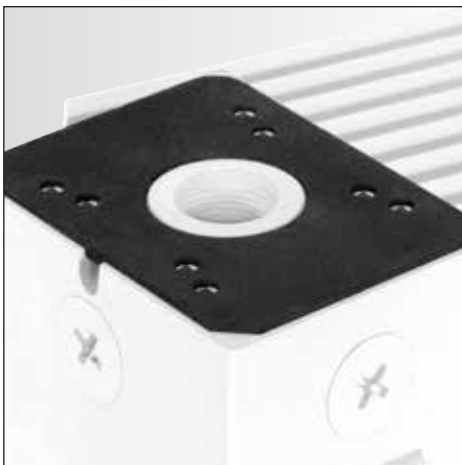
All are DLC listed except 3000K models



Aisle lighter optics available for all wattages



Turnbuckle latch for easy access and installation



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



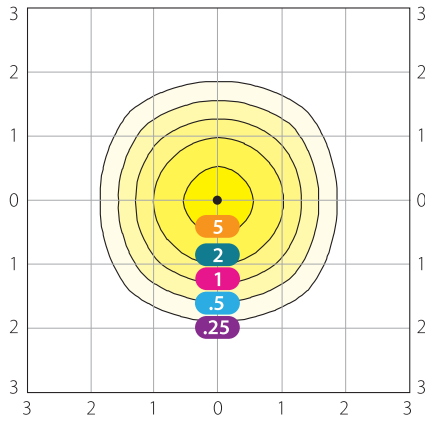
V Hooks included for optional chain mounting (chain by others)

Photometrics

FALCOR 80W

18' Mounting Height

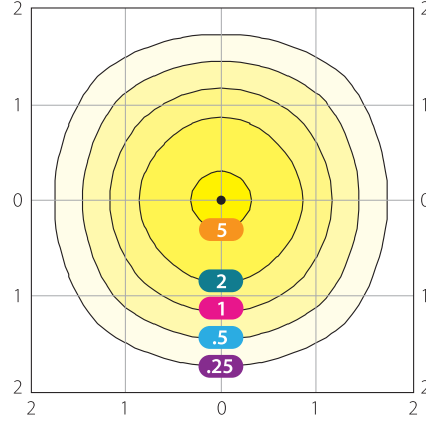
Photometric Report #RAB00746



FALCOR 160W

30' Mounting Height

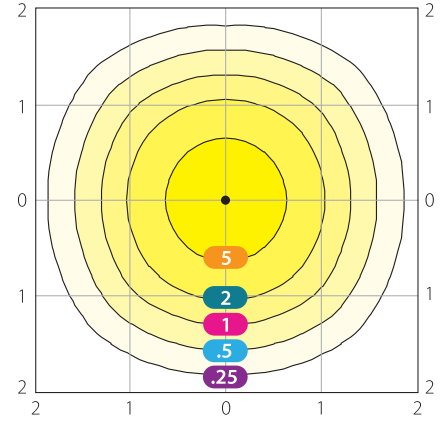
Photometric Report #RAB00734



FALCOR 230W

30' Mounting Height

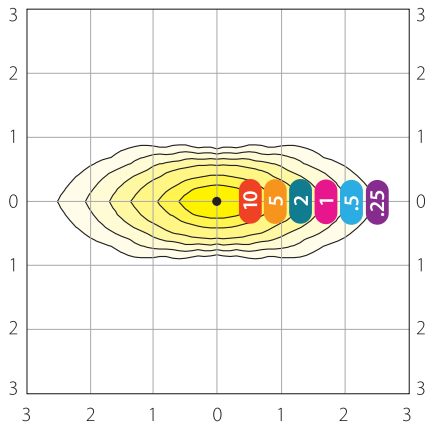
Photometric Report #RAB00722



FALCOR Aisle Lighter 80W

18' Mounting Height

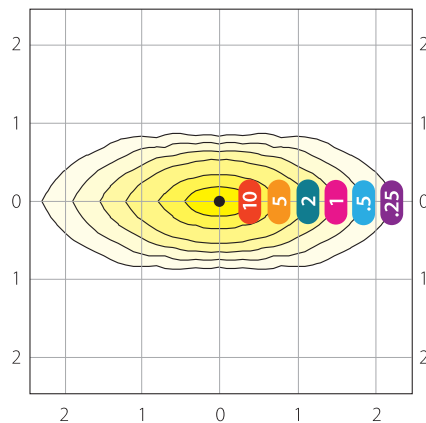
Photometric Report #RAB00905



FALCOR Aisle Lighter 160W

30' Mounting Height

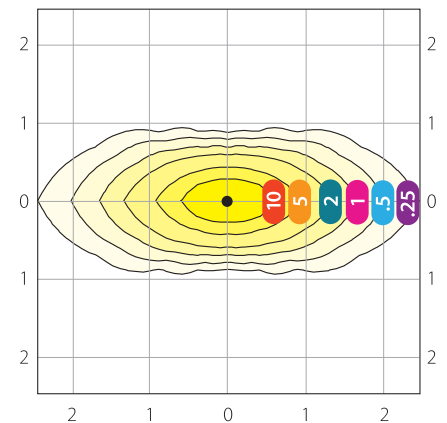
Photometric Report #RAB00899



FALCOR Aisle Lighter 230W

30' Mounting Height

Photometric Report #RAB00723



Mounting Height	14	16	18	20	22
Multiplier	1.7	1.3	1.0	0.8	0.7

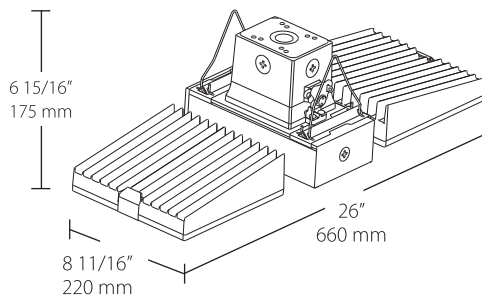
Mounting Height	25	28	30	32	35
Multiplier	1.4	1.2	1.0	0.8	0.7

Grid scales: Multiples of mounting height
Values shown in footcandles

Dimensions & weights

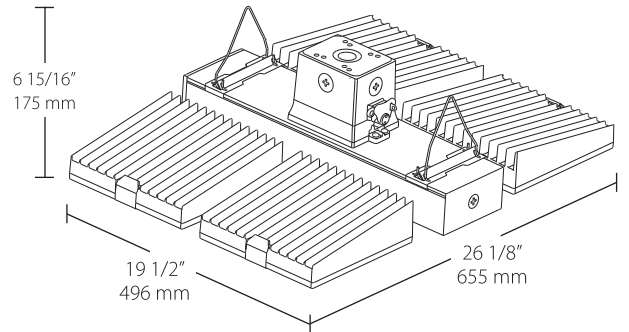
FALCOR 2 HEAD

Weight: 24 lbs.



FALCOR 4 HEAD

Weight: 41 lbs.

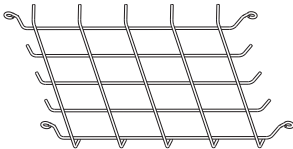


Accessories

GDFALCORW

Wire Guard

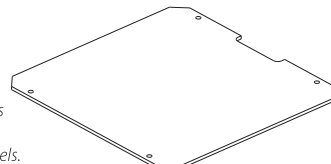
*Please order two (2) for the 80W models and four (4) for the 160W and 230W models.



GDFALCORP

Polyshield

*Please order two (2) for the 80W models and four (4) for the 160W and 230W models.



FALCOR™ 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

IP Rating: Luminaire heads are rated IP66, protected against dust and water ingress

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, THD <20%, Power Factor >90%, 4kV surge protection

230W: Constant current, Class 2, 100 - 277V and 480V, 50/60 Hz, 120V: 1.99A, 208V: 1.2A, 240V: 1.04A, 277V: 0.88A, THD <20%, Power Factor >90%, 4kV surge protection

Ambient Temperature: Suitable for use in 55°C ambient temperatures

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

Housing: Die-cast aluminum

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

Lens: Solite glass

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 warranted 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

FALCOR 80W (2 Heads)

	5000K	4000K	3000K
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)

	5000K	4000K	3000K
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)

	5000K	4000K	3000K
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)

	5000K	4000K	3000K
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






FALCORA 160W (4 Heads)

	5000K	4000K	3000K
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

FALCORA 230W (4 Heads)

	5000K	4000K	3000K
Color Temperature	5000K	4000K	3000K
Input Watts	235	240	243
Output Lumens	19,852	19,152	16,694
Lumens Per Watt	85	80	69
Color Accuracy (CRI)	70	74	80

Ordering information

Product Family	Wattage	Color Temp	Finish	Driver Options
				
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 120-277V with 0-10V Dimming
	230 230W (4 heads)	Y 3000K		/480 480V On/Off