

FORTRESS™ Series

Hazardous Location Lighting

These versatile, feature-packed fixtures are designed to not only meet but surpass the rigorous demands of the food processing industry, industrial and commercial settings, as well as architectural applications.

Compliance

NEC/CEC Standard

UL 844 Hazardous Locations

Class I Division 2, Groups A, B, C, D

Class II Division 1, Groups E, F, G

Class II Division 2, Groups F, G

Class III

Class I, Zone 2, Group IIC

CSA C22.2 No.137

CSA C22.2 No.141

CSA C22.2 No.250.0:21

UL 924

UL 1598 Wet Locations

UL 8750 LED Safety

ABS

FCC

IP66/67 | IK09 | 5G | NEMA 4X

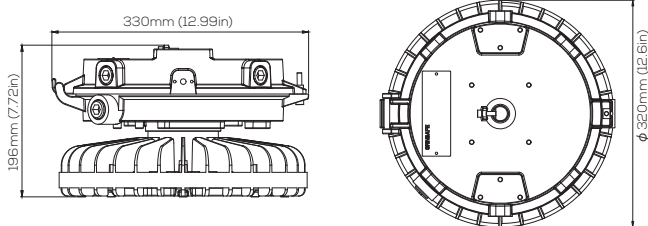
Emergency

90-minute minimum run time at 2,420 lumens in emergency mode.

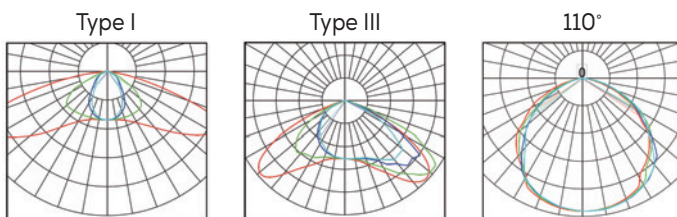


Dimensions

unit: mm(in)



Beam Distribution



Technical Data

Electrical

Rated Power	40W / 60W / 80W / 100W
Input Voltage	120-277VAC
Input Frequency	50/60Hz
Power Factor	> 0.95
Driver Efficiency	≥ 90%
DC output Ripple & Noise	<200mVP-P

Optical

Lumen Output	6,800lm ~ 17,000lm
Luminous Efficacy (Lumens per Watt)	170 lm/W
Beam Angle	T1 / T3 / 110°
Color Temperature (CCT)	Amber 2700K 3000K 4000K 5000K
CRI	Ra>70

Emergency Back-up

Emergency Output	15W , ≥2,420lm 9W , ≥1,350lm (cold weather)
Recharging time	24 hours
Battery Backup Runtime	≥90 mins

Environmental

Ambient Operating Temperature	0°C ~ +50°C -20°C ~ +50°C (cold weather)
Ambient Operating Humidity	10%~90% RH
Atmospheric pressure	86~106KPa

Technical

Lens Material	Glass / PC / Drop lens
Mounting Options	Pendant / Ceiling / Wall mount / Stanchion / U-Bracket
Gand's Spec	3/4" NPT, 1" NPT, 1-1/4" NPT, 1-1/2" NPT
Net Weight	8kg (17.64 lbs)

Warranty

5-year limited system warranty

Lumen Maintenance: L70 > 150,000 hours @ 25°C

Ordering Information and Mounting Accessories

FOR	17	U	C	2	110	NW	TG	PD1	GR	XX
Model FOR		Voltage U - AC120-277V			Optics T1 - T1 T3 - T3 110 - 110°	Color Temp WW - 2700K (Warm white) SW - 3000K (Soft white) NW - 4000K (Neutral white) CW - 5000K (Cool white) AM - Amber		Mount Style PD1 - Pendant mount (3/4" NPT) PD2 - Pendant mount (1" NPT) TB3 - Trunnion bracket (3/4" NPT) W90 - Wall mount 90° W25 - Wall mount 25° S90A - Stanchion-90° (1-1/4" NPT) S90B - Stanchion-90° (1-1/2" NPT) S25A - Stanchion-25° (1-1/4" NPT) S25B - Stanchion-25° (1-1/2" NPT) FLM - Flush ceiling mount		Accessories EMB - Emergency battery back-up WGR1 - Wire guard for flat glass WGR2 - wire guard for drop lens SC1 - Safety cable VRL25 - Dark sky bolt-on visor 25° VRL90 - Dark sky bolt-on visor 90° SP10U - 10KV surge protector (100-277V) *Standard SP20U - 20KV surge protector (100-277V) PBC48 - Pipe clamp (M8*48mm) for pole Ø 1-7/8" (48mm) PBC60 - Pipe clamp (M8*60mm) for pole Ø 2-3/8" (60mm) CAB - 3' SEOW-18/3 Cord CGL - Cable gland 3/4" NPT PS - Pole Stanchion 2" (60mm)
Power 07 - 6,800 lm (40W) 10 - 10,200 lm (60W) 14 - 13,600 lm (80W) 17 - 17,000 lm (100W)		Temp. Ambient (blank) - Not Required (0-50°C) C - Cold weather (-20-50°C)		Ex. Level 2 - C1D2, C2D1 0 - None Hazardous		Lens TG - Clear glass FG - Frosted glass DFG - Frosted glass drop lens TPL - Clear polycarbonate ¹ FPL - Frosted polycarbonate ¹		Color GR - Gray		

¹ Only available for C1D2 areas

Mounting Options



PD1
Pendant mount
3/4" NPT



TB3
Trunnion Bracket
3/4" NPT



W90
Wall mount 90°
3/4" NPT



W25
Wall mount 25°
3/4" NPT



S90A
Stanchion mount 90°,
1-1/4"NPT



S25A
Stanchion mount 25°,
1-1/4"NPT



FLM
Flush Ceiling Mount



S90B
Stanchion mount 90°,
1-1/2"NPT



S25B
Stanchion mount 25°,
1-1/2"NPT

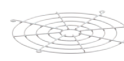
Accessories



TB3
Trunnion Bracket
3/4" NPT



FLM
Flush ceiling mount kit
1 pair



WGR1
Bolt-on wire guard
for Flat Glass



WGR2
Bolt-on wire guard
for Drop Lens



PBC48
Pipe clamp
(M8*48mm)
for pole Ø 1-7/8"



PBC60
Pipe clamp
(M8*60mm)
for pole Ø 2-3/8"



VRL25
Dark sky bolt-on visor
25°
(Spinning aluminium)



VRL90
Dark sky bolt-on visor
90°
(Spinning aluminium)



CGL
Cable gland
3/4" NPT
Suitable for C1D2



CAB
3' SEOW-18/3 Cord
(Factory installed)



SC1
Stainless steel
safety cable
Ø8 (4mm)



PS
Pole Stanchion
2-3/8" (60mm)



SP10U
Surge Protector
10KV (100-277V)
*Standard



SP20U
Surge Protector
20KV (100-277V)