

Description

- Low profile, surface mounted luminaire certified IP65
- Rated for ISO Class 3-8 for Cleanrooms
- Overlapping single piece door provides continuous sealing
- Suitable for Biosafety spaces levels 1-4
- Available in multi-channel, narrow band LED (Amber & Red) for photosensitive pharma and semiconductor applications
- Wide range of options- emergency backup, continuous row mounting, multiple lens options, multiple dimming and circuit wiring options

Features

White Light: Up to 18,000 lumens

Input Power: (see chart)

LED Drivers: Available w/ dual drivers for 2 circuit switching

White LED CRI Options: 80 CRI, 90 CRI, Biologically Tuned Sun Spectrum

CCT: 3000K-5000K / Options Tunable White 2700K/6500K

Input Voltage: Universal 120-277V or 347V

Limited Warranty: 5 Years

Body Construction: TIG welded 18 Ga. cold rolled steel post painted (standard) w/welded studs for component mounting

Door Frame: One piece 60deg beveled perimeter door frame 18 Ga. w/ TIG welded corners. Military grade, stainless steel captive fasteners w/teflon washers secure door to housing via floating cage nuts.

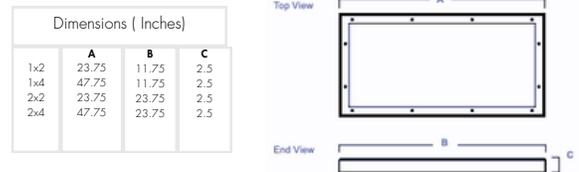
Lens: Diffuse Symmetric .125" High Impact Acrylic (std.) w/ smooth external surface for easy cleaning, sealed to doorframe with RTV silicone sealant, held by continuous perimeter bracket

Mounting: Mounting holes in back of fixture housing

Ambient Operating Temp: -4F (-20C) - 104F (40C)

Approvals:

- ETL Listed to UL1598 & CSA22.2 no 250.0
- Wet Locations (ceiling mount only)
- ISO Class 3-8 Cleanroom
- Biosafety BLS1-4
- IP65 rated for 2500 psi washdown applications.



Series	Size	Door	Housing	White CCT	LEDS	Lens	Voltage	Options
CRS38	12 1'x2'	CS 18Ga. CRS Painted (Std)	CS 18Ga. CRS Painted (Std)	30K 3000K	See Next Page	IA .125" Prismatic Impact Acrylic	UNV 120-277V H 347V	2C Dual driver 2 circuit switching
	14 1'x4'	SS4B 18Ga. 304SS#4 Brushed	SS4B 18Ga. 304SS#4 Brushed	35K 3500K		TG 0.157" Clear Tempered Glass		
	22 2'x2'	SS4P 18Ga. 304SS Painted	SS4P 18Ga. 304SS Painted	40K 4000K		IP .125" Prismatic Polycarbonate		
	24 2'x2'	SS6P 18Ga. 316SS Painted	SS6P 18Ga. 316SS Painted	50K 5000K		CA .125" Clear Impact Acrylic		
	2'x4'	A5P 16Ga. (.050") Alum. Painted	A5P 16Ga. (.050") Alum. Painted	27K-65K Tunable White		CP .125" Clear Polycarbonate		

See Next Page for More Options



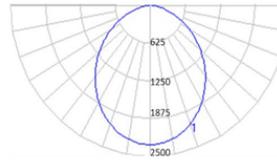
AMBER & WHITE LED PERFORMANCE DATA

"W" White Lumen values based on 4000K, 80 CRI

Size	Order Code	White Lumens	White Watts	White Efficacy	Amber Lumens	Amber Watts	Total System Watts
1x4	3W/3A	3585	32	112	3500	47	79
	3W/5A	3585	32	112	5500	74	106
	3W/7A	3585	32	112	7000	94	126
	7W/3A	7064	68	104	3500	47	115
2x2	3W/3A	3564	31	115	3500	46	77
	3W/5A	3564	31	115	5500	76	107
	3W/7A	3564	31	115	7000	97	128
	7W/3A	7035	65	108	3500	46	111
2x4	5W/3A	5517	45	123	3500	46	77
	5W/5A	5517	45	123	5500	61	106
	5W/7A	5517	45	123	7000	81	126
	7W/3A	7085	59	120	3500	41	100
	7W/5A	7085	59	120	5500	61	120
	7W/10A	7085	59	120	10000	122	181
	10W/3A	10093	80	126	3500	41	121
	10W/5A	10093	80	126	5500	61	141
	10W/7A	10093	80	126	7000	81	161
	10W/10A	10093	80	126	10000	122	202

Photometric data based on "7A"
Amber Channel Only

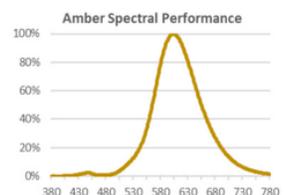
Characteristics	
Fixture Lumens	7002
Efficacy (lpw)	86.4
Total Fixture Watts	81
S.C. (0-180)	1.2
S.C. (90-270)	1.18
S.C. (diagonal)	1.3



Luminance (cd/sq.m)			
Degrees	0-deg	45-deg	90-deg
45	3281	3131	3082
55	2914	2750	2688
65	2432	2248	2185
75	1712	1501	1485
85	514	655	856

Zonal Lumens	
Zone	Lumens
0-30	2169
0-40	3480
0-60	5833
0-90	7002
90-180	0

Amber	
Purity	96%
Peak (Lambda)	604nm
Radiometric Power <480nm	0.80%
UV Output	0.00%
FWHM (Bandwidth)	89nm





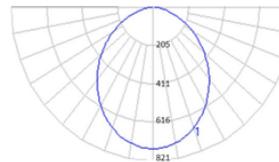
RED & WHITE LED PERFORMANCE DATA

"W" White Lumen values based on 4000K, 80 CRI

Size	Order Code	White Lumens	White Watts	White Efficacy	Red Lumens	Red Watts	Total System Watts
1x4	3W/1R	3585	32	112	1000	31	63
	5W/1R	5538	51	109	1000	31	82
	7W/1R	7064	68	104	1000	31	99
2x2	3W/1R	3564	31	115	1000	30	61
	5W/1R	5571	50	111	1000	30	80
	7W/1R	7035	65	108	1000	30	95
2x4	5W/1R	5517	45	123	1000	27	72
	5W/2R	5517	45	123	2000	62	107
	7W/1R	7085	59	120	1000	27	86
	7W/2R	7085	59	120	2000	62	121
	10W/1R	10093	80	126	1000	27	107
	10W/2R	10093	80	126	2000	62	142
	12W/1R	12096	99	122	1000	27	126
	12W/2R	12096	99	122	2000	62	161
	18W/1R	18103	143	127	1000	27	170

Photometric data based on "2R"
Red Channel Only

Characteristics	
Fixture Lumens	2000
Efficacy (lpw)	32
Total Fixture Watts	62
S.C. (0-180)	1.2
S.C. (90-270)	1.17
S.C. (diagonal)	1.3



Red	
Purity	100%
Peak (lambda)	635nm
Radiometric Power <480nm	0.03%
UV Output	0.00%
FWHM (Bandwidth)	18nm

Luminance (cd/sq.m)			
Degrees	0-deg	45-deg	90-deg
45	937	894	880
55	832	785	768
65	695	642	624
75	498	429	424
85	147	187	244

Zonal Lumens	
Zone	Lumens
0-30	619
0-40	993
0-60	1665
0-90	2000
90-180	0

