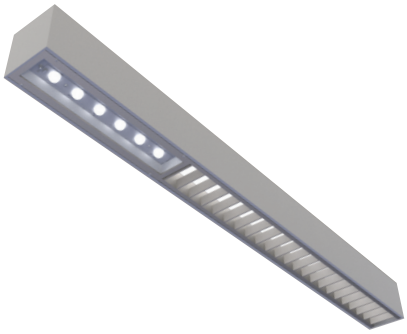
SERIES 18AR 4” x 4”

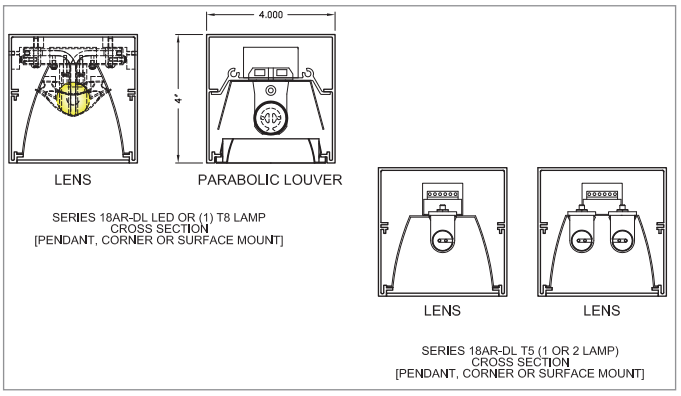


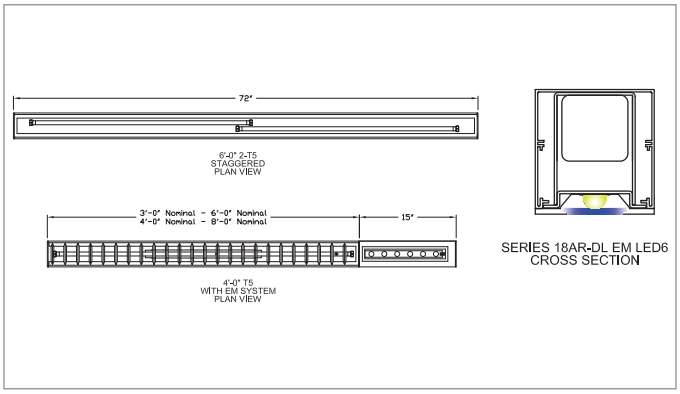
The Series 18AR 4" x 4" down light fixture with LED EM was built to meet various interior and exterior architectural specifications. Available in staggered layouts, modified mounting, various lens types, and vandal proof applications the luminaire may be specified for public areas, offices, or institutions. The LED EM is a self diagnostic emergency LED lighting module that was specifically designed to provide sufficient illumination during power outages for a minimum of 4 hours and in high ambient temperatures.

fixture type

project

technical drawing





features

housing
.090 thick extruded 6063-T5 aluminum with powder coat

reflector & socket saddles
20 gauge bonderized steel with baked high gloss white powder coat finish and 92% min. reflectance

lamping
T5, T5HO, or T8

end caps
.125 aluminum, fully gasketed with finish to match housing

shielding
clear/frosted extruded polycarbonate .125” lens or parabolic louvers

ballast
UL listed 120v or 277v high efficiency electronic with 0°min. starting temperature

finish
white or aluminum powder coat
other RAL color options available

mounting
pendant or surface

certifications
UL Listed
IBEW (local 3) Union-Made in the USA

ZONAL LUMEN SUMMARY

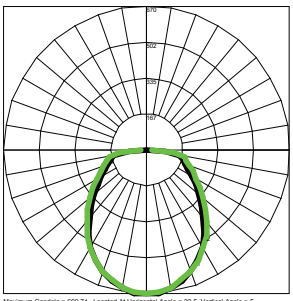
Zone	Lumens	%Lamp	%Fixt
0-30	503	17.3	26.7
0-40	802.97	27.7	42.6
0-60	1359.16	46.9	72.1
0-90	1885.42	65	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	1885.42	65	100

Total Luminaire Efficiency = 65%

CHARACTERISTICS

Total Rated Lamp Lumens	2900
Total Luminaire Efficiency	65 %
Luminaire Efficacy Rating (LER)	57
Total Luminaire Watts	33
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.18
Spacing Criteria (90-270)	1.18
Spacing Criteria (Diagonal)	1.30
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.01 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.33 ft

POLAR GRAPH



Maximum Candela = 669.74 Located At Horizontal Angle = 22.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)

18AR4X4	-		-		-		-		-		-	
series		**mounting**		**no. of lamps**		**lamping**		**voltage**		**finish**		**shield**
18AR4X4		P - pendant S - surface		1 2		T5 T5HO T8		1 - 120v 2 - 277v		AL - aluminum WH - white RAL - custom RAL number		CL - clear lens FL - frosted lens P - parabolic louver

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