

High efficiency garage / canopy light that replaces up to a 250W metal halide fixture thus providing 70% energy savings, reduced maintenance costs and longer fixture life. Easy installation system facilitates a quick one-man install.



APPLICATIONS

Ideal for commercial and industrial parking garages and canopies.

SPECIFICATIONS

Construction

Rugged die cast aluminum housing with mounting bracket for easy installation. Fixture has a custom designed prismatic polycarbonate lens and reflector for optimal light distribution. Unit has air-flow fins around its perimeter for efficient thermal flow and extended fixture life. The fixture has an operating temperature range of -40°C to +40°C.

Optics

The unit has 6 high efficiency LED modules that are precision molded creating a DLC approved Type 5 beam distribution ideal for parking garages. The LEDs have a colour temperature of 5000K as standard and deliver 7204 lumens at an efficacy of 91 lumens per watt.

Dimming

0 – 10V dimming is optional.

Mounting

The fixture is available as a surface mount. It can also be pendant mounted. Fixture is securely hinged onto mounting bracket allowing use of both hands while making connections. In the case of the pendant mount, standard 1/2" or 3/4" pendants can be used. 12" supply lead length is standard. Contact Customer Service for custom pendant configurations.

Electrical

Total system wattage of the unit is 79W. The standard unit has a high efficiency driver that operates at 120 - 277V. 2.5kV surge protection is standard.

Finish

Standard finish is Bronze. White finish is available as an option.

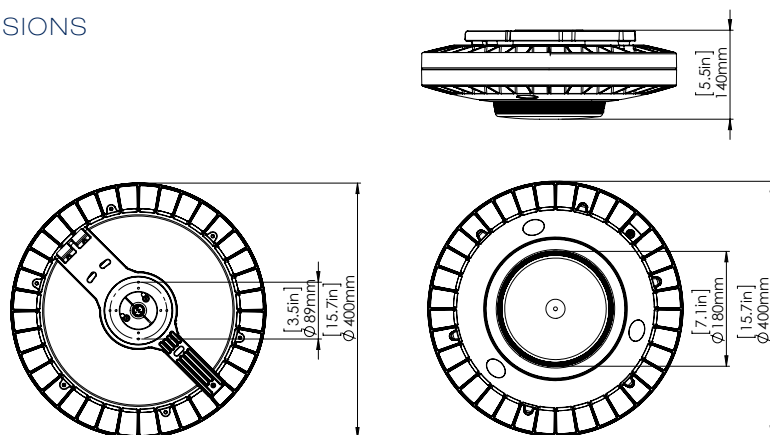
Options

- 12"/18" pendant stem
- 36" supply lead
- Ball aligner
- 10kV surge protector.

Project	
Type	
Date	
Notes	

Equivalent to	up to 250W MH
Fixture Watts	79W
Lumens	7204 lumens
Efficiency	91 lumens/watt
Rated Life	100,000 hours
Certification	cULus, DLC, IP65,
LED Life	100,000 hours
Colour Temperature	5000K (standard), 4000K (option)
Warranty	5 Years
Operating temperature	-40°C to +40°C

DIMENSIONS



INSTALLATION INFORMATION

1. Separate mounting bracket from fixture by removing the screw. Attach mounting bracket to the junction box.



2. Rest fixture onto hinges and connect wires



3. Reattach fixture to the mounting bracket



PHOTOMETRICS

INDOOR PHOTOMETRIC REPORT
CATALOG: GARAGE-LED80-B-5K-T5-SM

TEST #: J937C
TEST LAB: LUMENTRA, INC. 160 FROBISHER DRIVE, UNIT 5 WATERLOO, ONTARIO N4V 1A9
CATALOG: GARAGE-LED80-B-5K-T5-SM
DESCRIPTION: GARAGE LED LUMINAIRE WITH SPECULAR REFLECTOR AND PRISMATIC LENS
LAMP: SIX WHITE ARRAY LEDS. LUMEN OUTPUT = 7204 LMS.
LAMP OUTPUT: TOTAL LUMINAIRE LUMENS: 7211.2, **ABSOLUTE PHOTOMETRY ***
INPUT WATTAGE: 79.3
LUMINOUS OPENING: VERTICAL CYLINDER (DIA : 0.17M, H: 0.03M)
CIE Class: DIRECT
Max Cd: 1,741.0 AT HORIZONTAL: 0°, VERTICAL: 60°
Spacing Criterion: @ 0 = 2.39 / @ 90 = 2.39

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

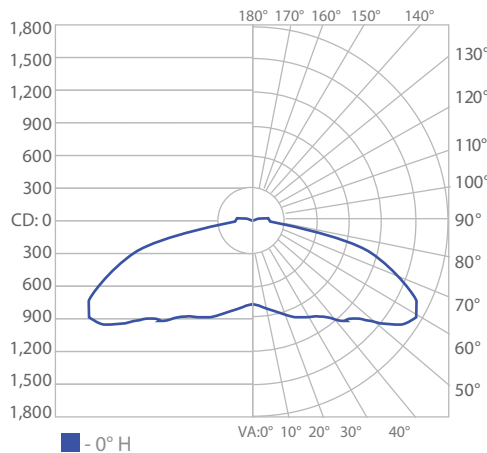
Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10			
RW %:	20	50	30	0	20	50	30	0	20	50	30	0	20	50	30	0	20	50	30	0
RCR: 0	1.18	1.18	1.18	1.18	1.15	1.15	1.15	1.15	1.09	1.09	1.09	1.09	1.04	1.04	1.04	1.04	.99	.99	.99	.97
1	1.04	.97	.92	.86	1.01	.95	.89	.74	.90	.85	.81	.85	.81	.78	.81	.78	.81	.78	.75	.73
2	.91	.81	.72	.64	.88	.78	.70	.56	.74	.67	.61	.70	.64	.59	.66	.61	.57	.54	.54	.54
3	.81	.68	.57	.49	.78	.66	.56	.44	.62	.54	.47	.59	.52	.46	.55	.49	.44	.42	.42	.42
4	.73	.58	.47	.39	.70	.56	.46	.35	.53	.44	.37	.50	.42	.36	.47	.41	.35	.33	.33	.33
5	.66	.50	.39	.31	.63	.49	.39	.28	.46	.37	.30	.44	.36	.30	.41	.34	.29	.26	.26	.26
6	.60	.44	.34	.26	.57	.43	.33	.24	.41	.32	.25	.38	.31	.25	.36	.29	.24	.22	.22	.22
7	.55	.39	.29	.22	.53	.38	.29	.20	.36	.28	.21	.34	.27	.21	.33	.26	.20	.18	.18	.18
8	.51	.35	.25	.19	.49	.34	.25	.17	.33	.24	.18	.31	.23	.18	.29	.23	.17	.15	.15	.15
9	.47	.32	.23	.16	.45	.31	.22	.15	.30	.22	.16	.28	.21	.16	.27	.20	.15	.13	.13	.13
10	.44	.29	.20	.14	.42	.28	.20	.13	.27	.19	.14	.26	.19	.14	.25	.18	.13	.11	.11	.11

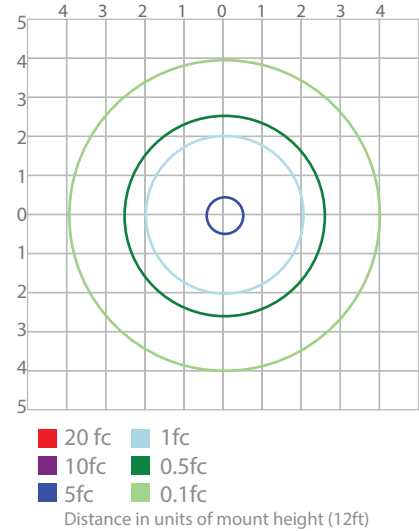
LUMENS PER ZONE					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	77.0	1.1%	90-100	145.5	2%
10-20	248.1	3.4%	100-110	97.2	1.3%
20-30	451.2	6.3%	110-120	1.4	0%
30-40	679.8	9.4%	120-130	0	0%
40-50	1,006.9	14.0%	130-140	0	0%
50-60	1,460.3	20.3%	140-150	0	0%
60-70	1,595.4	22.1%	150-160	0	0%
70-80	1,119.1	15.5%	160-170	0	0%
80-90	329.3	4.6%	170-180	0	0%

ZONAL LUMEN SUMMARY			
Zone	Lumens	% Luminaire	
0-30	776.3	10.8%	
0-40	1,456.1	20.2%	
0-60	3,923.3	54.4%	
60-90	3,043.8	42.2%	
70-100	1,593.8	22.1%	
90-120	244.1	3.4%	
0-90	6,967.1	96.6%	
90-180	244.1	3.4%	
0-180	7,211.2	100%	

Polar Candela Distribution



Iso footcandle Plot



ORDERING GUIDE

GAR	-	LED78	-		-		-		-		
VOLTAGE		COLOUR TEMP		BEAM		FINISH		MOUNT		OPTIONS	
B - 120 - 277V*		5K - 5000K* 4K - 4000K		T5A - TYPE 5*		BRZ- Bronze* WHT - White		CM - Ceiling Mount* PM - Pendant Mount		SL12 - 12" Supply lead* SL36 - 36" Supply lead PS12 - 12" Pendant Stem PS18 - 18" Pendant Stem BA - Ball Aligner 10SP - 10 KV Surge Protector	

* Standard configuration