

PROJECT:

NOTES:

ORDERING INFORMATION:

EXAMPLE

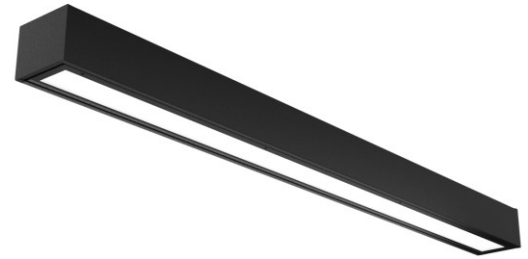
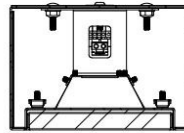
LGL - 8F - S - 200 - 9 - 40 - L5 - W - MV - EM - D

SERIES NOM. LENGTH MOUNTING LUMENS CRI KELVINS LENS FINISH VOLTAGE OPTIONS DRIVER

SHOP DRAWINGS



LENGTH	
4F	47.60"
6F	69.60"
8F	92.10"



ORDERING INFORMATION

SERIES	
LGL	

NOMINAL LENGTH	
4F	4 Feet
6F	6 Feet
8F	8 Feet

*Please contact manufacture if other nominal lengths are needed

MOUNTING	
SM	Stem Mount**
P	Pendant
S	Surface
F	Flange*
T	T-Bar*

*Please contact us if shop drawings are needed

**Stems not supplied by Pa-Co

LUMENS

Lumen Package	Nominal Lumens
4F	
40	4,000
60	6,000
6F	
60	6,000
80	8,000
8F	
120	12,000
150	15,000
200	20,000

*Other lumen packages available.

CRI	
BLANK	80 CRI
9	90 CRI

KELVIN	
30	3000K
35	3500K
40	4000K
50	5000K
TW	Tunable White*

*Contact factory for maximum lumen output available.

LENS	
M1	Clear polycarbonate
L5	White frosted polycarbonate

FINISH	
W	Textured Matte White
B	Textured Matte Black

VOLTAGE	
MV	120-277V
347	347V

OPTIONS	
EM	Emergency Power Pack
BC#	Black Cabtire Wire #ft
WC#	White Cabtire Wire #ft

DRIVERS	
ND	Non-dimming applications
D	0-10V dimming
D1	0-10V dimming to 1%
DA	DALI driver

FEATURES

- > Specification-grade LED luminaire designed for athletic applications
- > Robust construction designed to withstand impact of stray balls
- > Features security polycarbonate lens secured with double frame fastened internally with multiple screws
- > Welded housing for additional structural strength
- > Minimum 80 CRI; color range 3000K - 5000K available
- > Tunable White option available (lumen package limitations consult factory for more info)
- > Variety of surface / suspended mounting options available
- > IK10 rated
- > Highly efficient impact resistant white frosted or clear polycarbonate lens

APPLICATIONS

- > Gymnasiums
- > Corridors
- > Locker rooms
- > Public areas
- > Rough service applications

LED

FIXTURE PERFORMANCE DATA

SPECIFICATIONS

Housing – Precision die-formed 18-gauge C.R.S. with continuously welded end plates

Door Frame – Single piece precision die formed frame with seam welded corners and fasteners to secure door frame to housing

Shielding – Variety of robust polycarbonate lenses available. Secured with double frame which is fastened with multiple screws.

Finish – Baked matte sandtex powder finish applied post production on all surfaces for smooth edges and safe handling

Electrical – High quality mid-power LED boards. L85 >50,000 hours.

Mounting – Surface / Suspended / T-Bar / Flange. Variety of mounting options available.

Listings –
 ■ cUL certified as luminaire suitable for dry or damp locations.

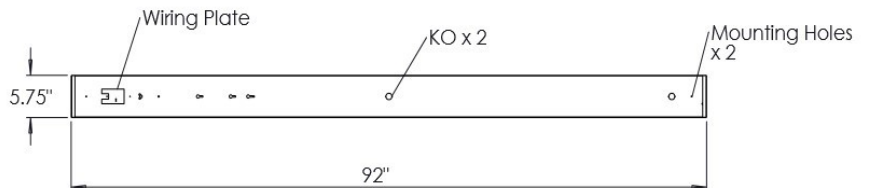
Warranty – 5-year limited warranty

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
4F			
40	4,078	38	107
60	6,044	61	99
6F			
60	6,058	58	104
80	8,099	83	98
8F			
120	12,188	111	110
150	15,113	142	106
200	20,175	194	104

*Results based on 4000K, 80 CRI, White Housing and Lens (L5)

MULTIPLIER TABLE	
COLOR TEMPERATURE	
CCT/CRI	CONVERSION FACTOR
3000K / 80 CRI	0.95
3500K / 80 CRI	0.97
4000K / 80 CRI	1
5000K / 80 CRI	1.03

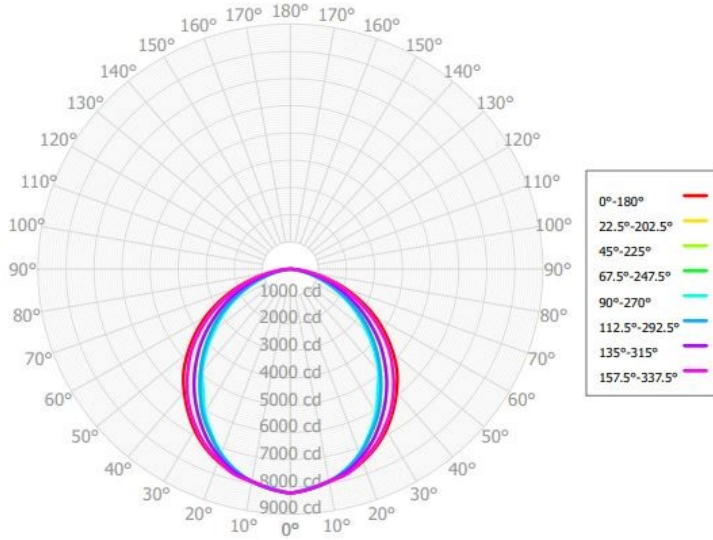
FIXTURE DETAILS



PHOTOMETRY

LGL-8F-S-200-40-L5-MV-W Total Luminaire Output: 20,175 lumens; 194 Watts

Candela Polar Plot



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	8218.50	8218.50	8218.50	8218.50	8218.50
5.00°	8103.76	8098.02	8101.10	8110.51	8057.50
10.00°	7940.69	7915.52	7919.23	7920.44	7937.50
15.00°	7784.54	7790.84	7707.76	7635.41	7624.22
20.00°	7524.82	7463.64	7360.17	7240.29	7208.03
25.00°	7218.49	7145.10	6947.04	6730.81	6663.41
30.00°	6829.87	6718.31	6442.28	6215.09	6097.40
35.00°	6372.75	6255.76	5908.54	5606.26	5431.97
40.00°	5888.05	5727.85	5340.26	4989.01	4897.48
45.00°	5385.30	5155.07	4731.19	4376.21	4231.42
50.00°	4772.42	4581.22	4121.85	3740.76	3564.65
55.00°	4130.82	3921.54	3458.57	3115.33	2959.13
60.00°	3478.20	3252.76	2815.84	2472.77	2342.40
65.00°	2770.38	2568.96	2180.73	1867.44	1759.71
70.00°	2074.45	1886.90	1563.63	1304.59	1211.04
75.00°	1386.77	1239.40	983.31	793.02	734.27
80.00°	770.27	675.52	502.62	394.27	356.06
85.00°	314.80	249.84	158.87	106.78	96.68
90.00°	66.17	22.36	2.01	0.52	0.40

Cone of Light

Mtg Height	Light Level	Beam Diameter
6.0 ft	228.3 fc	14.8 ft
8.0 ft	128.4 fc	19.8 ft
10.0 ft	82.2 fc	24.7 ft
12.0 ft	57.1 fc	29.6 ft
14.0 ft	41.9 fc	34.6 ft
16.0 ft	32.1 fc	39.5 ft

Spacing Criterion

Two luminaires, plane 0°	1.23
Two luminaires, plane 90°	1.11
Four luminaires	1.28