Day-Brite CFI by signify

Industrial

High bay GUL/GXL

18000 or 22000 lumens

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Day-Brite / CFI LED high bay GUL/GXL is an aesthetically pleasing, high effciency luminaire that provides exceptional light distribution for general areas. The clean, crisp look of the GUL/GXL makes it an ideal choice for many applications. A controlled up-light component will illuminate the ceiling, eliminating the cave effect, while still helping to maximize your energy savings.

Ordering guide

Example: GULD234FT18LUV840

Family[1]	Diffuser	Length	Lumens[2]	Voltage	CRI/CCT	Hanging	Options
		4FT		UV			
GUL **GXL** without uplight	**D23** High Efficiency Pattern 23 Lens **D23HTW** High Transmission White Pattern 23 Lens **DL1** 0.118" Clear Lexan Lens **DL2** 0.220" Clear Lexan Lens **DL1/D23HTW** Combo Lens **DL2/D23HTW** Combo Lens	**4FT** 4'	**18L** 18,000 **22L** 22,000	**UV** 120-277V	**835** 80 CRI, 3500K **840** 80 CRI, 4000K **850** 80 CRI, 5000K	**QC** Quick Hang Cable (10') **QC ( )** Quick Hang Cable (Specify Length)	**C6** 6' Sincle Circuit Cord **C( )** Single Circuit Cord (Specify Length) **TL6(L5-15P)** 6' Cord with Twist Lock Plug (120V) **TL6(L7-15P)** 6' Cord with Twist Lock Plug (277V) **BSL310** 10W Emergency Pack **BSL20** 20W Emergency Pack **F** Inline Fuse **SC** 10' Safety Cable **OS** Occupancy Sensor (On/Off) **OS(480V)** 480V Occupancy Sensor (On/Off) **OS(DIM)** Occupancy Sensor (On/Off/Dim/Photocell) **OS(LSXRHVOLT)** 347V/480V Occupancy Sensor (On/Off/Dim/Photocell) **SDT(480V)** 480V-277V Step Down Transformer **SDT(347V)** 347V-277V Step Down Transformer

Footnotes

[1] Some GUL luminaires are DesignLights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers. (www.designlights.org/QPL)

[2] Nominal delivered lumens

General Notes

- Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.

GUL LED high bay

18000 or 22000 lumens

Applications

- General Areas
- Open construction retail
- Gymnasiums (with Wire Guard)

Features

- 0-10V dimming drivers standard on all models
- Future proof design: LED light engines and drivers are field replaceable and can be upgraded when newer, more efficient technology becomes available.

Mounting Methods

- Standard QC (Quick Hang Cable) available in 10' or specifiy length.

Product Construction

- The GUL fixture body is brake formed from heavy gauge cold rolled steel. Ends are permanently riveted together for strength and rigidity. The LED assembly is precision brake formed from aluminum. This one piece heat conducting assembly, along with the fixture's arc bottom, provide an exceptional means of heat dissipation, allowing for higher lumen output and increased LED system life. The housing and LED tray are painted with a highly durable, highly reflective, white powder-coat finish.

Predicted L70 Lifetime

- 60,000hrs @ 25°C Ambient (based on LM-80 and TM-21 data).

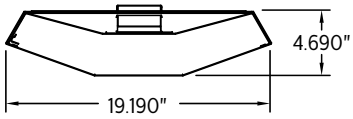
Listings

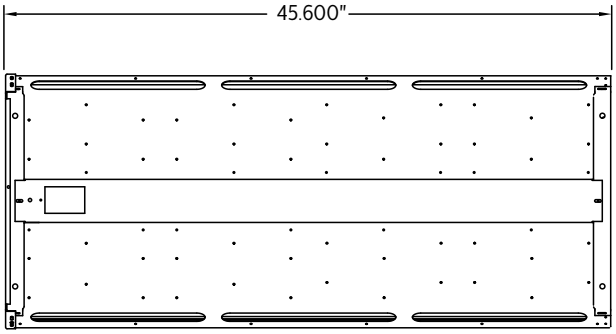
- cETLus listed to UL standards, suitable for damp locations and 25°C ambient.
- Some GUL luminaires are DesignLights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers. (www.designlights.org/QPL)

Warranty

- 5-year limited system warranty. See www.philips.com/optimum for warranty details.

Dimensions





Photometry

GUL LED high bay LED, 18000 nominal delivered lumens — **LER – 121**

Catalog No.	GULD234FT18LUV84O
Test No.	34496
S/MH	1.3
Lamp Type	LED
Lumens	16833
Input Watts	139

Comparative yearly lighting energy cost per 1000 lumens – **$1.98** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45°	Cross
0	6381	6381	6381
5	6313	6362	6398
15	6062	6119	6130
25	5517	5551	5582
35	4680	4765	4858
45	3634	3812	3967
55	2525	2779	2953
65	1533	1792	1961
75	737	974	1172
85	144	438	633
95	0	148	318
105	0	40	139
115	0	41	86
125	0	34	67
135	0	25	51
145	0	14	34
155	0	0	1
165	0	0	0
175	0	0	0

Light Distribution

Degrees	Lumens	% Luminaire
0-30	4880	29.0
0-40	7858	46.7
0-60	13257	78.8
0-90	16506	98.1
90-180	328	1.9
0-180	16833	100.0

Average Luminance

Angle	End	45°	Cross
45	9026	8541	8894
55	7482	7161	7616
65	5848	5635	6172
75	4123	4084	4925
85	1599	2889	4190

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	110	110
1	108	104	98	105	101	96	95	93
2	98	91	83	95	89	81	84	80
3	90	80	71	88	78	70	75	68
4	82	70	61	80	69	61	67	59
5	76	64	55	73	61	54	59	53
6	70	57	48	68	56	47	54	46
7	66	52	44	64	51	42	50	41
8	60	47	39	58	46	39	46	38
9	56	44	35	56	42	35	41	34
10	54	40	33	52	40	33	39	32

GUL LED high bay

18000 or 22000 lumens

GUL LED high bay LED, 22000 nominal delivered lumens

LER – 120

Catalog No.	GULD234FT22LUV840
Test No.	34513
S/MH	1.3
Lamp Type	LED
Lumens	22629
Input Watts	188

Comparative yearly lighting energy cost per 1000 lumens – **$2.00** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45°	Cross
0	8543	8543	8543
5	8447	8515	8562
15	8101	8180	8202
25	7364	7422	7476
35	6234	6384	6516
45	4832	5110	5332
55	3364	3738	3985
65	2038	2422	2653
75	976	1331	1607
85	189	618	887
95	0	226	465
105	0	58	218
115	0	56	116
125	0	46	87
135	0	33	65
145	0	19	43
155	0	0	13
165	0	0	0
175	0	0	0

Light Distribution

Degrees	Lumens	% Luminaire
0-30	6526	28.8
0-40	10512	46.5
0-60	17748	78.4
0-90	22154	97.9
90-180	474	2.1
0-180	22629	100.0

Average Luminance

Angle	End	45°	Cross
45	12001	11449	11956
55	9967	9631	10278
65	7776	7613	8350
75	5458	5582	6753
85	2096	4080	5869

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	110	110
1	108	103	98	105	101	96	95	93
2	98	90	83	95	88	81	84	79
3	90	80	71	88	78	70	75	68
4	82	70	61	80	68	60	67	59
5	76	64	55	73	61	54	59	53
6	70	56	48	68	56	47	54	46
7	65	52	44	64	51	42	50	41
8	60	47	39	58	46	39	45	38
9	56	44	35	56	42	34	41	34
10	54	40	33	52	40	32	39	32

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