

Lumination™ LED Luminaires

LHX Series | LED Track Light



Project name _____

Date _____

Type _____

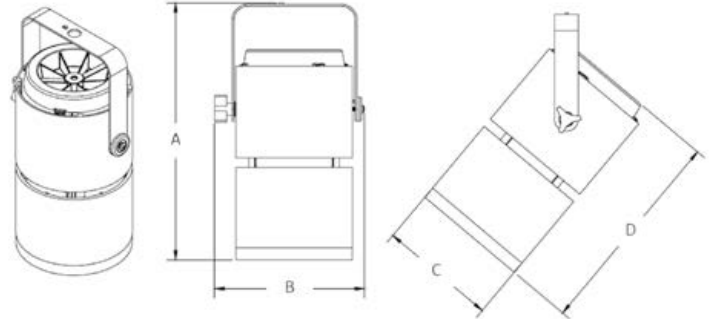
Product Description:

Lumination™ LH Series LED Track Lights are designed to deliver high efficiency lumens and beam intensity for replacing up to 70W metal halide accent lights with the exceptional energy savings and long life of LED. Ideal for retail, grocery, and other high ceiling applications, the LH series will enhance the appearance of merchandise while slashing operating costs. Die-cast precision machined housings provide a unique, smooth and distinct aesthetic. The LH series also features a series of field installable accessories such as snoot, hexcel louvers and barn doors.


Performance Summary:

Lumen Output: 1,000-3,900 lm
Beam Distributions: Spot (LHL only), Narrow Flood, Flood, Wide Flood
Wattage: 13.1 to 41 Watts
Efficacy: Up to 95 LPW
Input Voltage: 120V
CCT: 3000K, 4000K
CBCP: LHL Spot 29000 cd
Typical CRI: 80, 90 with R9>50
Rated Life: >L85 @ 50,000 hrs.
Limited Warranty: 5 Years standard

Product Dimensions mm (inches):



	A	B	C	D
LHL	269mm/10.6"	157mm/6.2"	122mm/4.8"	220mm/8.7"
LHS	209mm/8.2"	124mm/4.9"	92mm/3.6"	182mm/7.2"
LHM	160mm/6.3"	90mm/3.5"	71mm/2.8"	137mm/5.4"

Certified by: 



a product of **ecomagination™**

Ordering Information:

FAMILY	PRODUCT FAMILY	FIXTURE TYPE	GENERATION	VOLTAGE	NOMINAL LUMENS	DISTRIBUTION	CRI	CCT	DIMMING	CONTROLS	MOUNTING	FINISH
L = Indoor	HM	ID = Integrated Driver	A = 1 st Generation	1 = 120V	10 = 1000lm	NF = Narrow Flood 24° FL = Flood 36° WF = Wide Flood 43°	9 = 90 CRI	30 = 3000K 35 = 3500K 40 = 4000K	P = Phase Dimming	Q = None	G1 = Global 1-Circuit J1 = Juno 1-Circuit L2 = Lightolier N3248	WHITE = White BLCK = Black SLVR ¹ = Silver
L = Indoor	HS	ID = Integrated Driver	A = 1 st Generation	1 = 120V	23 = 2300lm	NF = Narrow Flood 19° FL = Flood 34° WF = Wide Flood 41°	9 = 90 CRI	30 = 3000K 35 = 3500K 40 = 4000K	P = Phase Dimming	Q = None	G1 = Global 1-Circuit J1 = Juno 1-Circuit L2 = Lightolier N3248	WHITE = White BLCK = Black SLVR ¹ = Silver
L = Indoor	HL	ID = Integrated Driver	A = 1 st Generation	1 = 120V	36 = 3600lm	SP* = Spot 12° NF = Narrow Flood 19° FL = Flood 34° WF = Wide Flood 41°	8 = 80 CRI 9 = 90 CRI	30 = 3000K 40 = 4000K 30 = 3000K 40 = 4000K	P = Phase Dimming	Q = None	G1 = Global 1-Circuit J1 = Juno 1-Circuit L2 = Lightolier N3248	WHITE = White BLCK = Black SLVR ¹ = Silver

1. Silver is only available for custom orders
 2. Please contact manufacturer for MOQ and availability

current
powered by GE



Performance Table: LHX Series

FAMILY	CCT (K)	DISTRIBUTION	LUMEN (Lm)	WATTAGE (W)	LUMEN PER WATT (LPW)
LHM	3000	(ALL)	1000	13.1	76
LHM	4000	(ALL)	1200	13.1	92
LHS	3000	(ALL)	2300	31	74
LHS	4000	(ALL)	2500	31	81
LHL	3000	SP	2200	41	54
LHL	4000	SP	2400	41	58
LHL	3000	NF, FL, WF	3600	41	88
LHL	4000	NF, FL, WF	3900	41	95

COMPATIBLE PHASE-CUT DIMMERS 10%-100% DIMMING RANGE	
DIMMER BRAND	DIMMER MODEL
Leviton	6673-10W
	IPI06-1LW
	RPI06-1LW
	81000-W
	6621-W
	6641-W
	VP106-1LX
	6682
	VPM06-1LX
	6633-PLW
Lutron	S-603PGH-WH-C
	LX-600PL
	TG-600PNLH-WHCSA
	S-600H-WH-CSA
	DNG-600PH-IV-CSA
	DVCL-153P
	DV-600PH-WH-CSA
	SLV-600PH-WH-CSA
Cooper	OS106D1
	DI06P-BK-K
	SI061-A-K
	TI061-W-K
	RI-06P-VW-K2
	9530-PT (REV. A)
Acenti	EP-003-ATI06-22A
Uberaus	46355006

NOTE: The dimming range will be dependent on each specific dimmer.

Photometric Data: LHM Series

LHM-ID-A-1-10-WF-9-40-P-Q-XX-XXXX

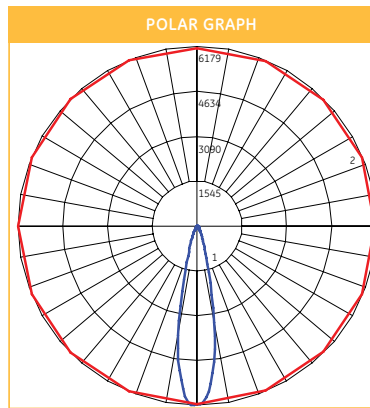
LUMINANCE DATA (CD/SQ.M)			
Angle	0°	45°	90°
45°	16266	15927	16169
55°	9907	9907	10145
65°	4455	4698	5022
75°	4100	4497	4761
85°	1571	1571	1964

ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10	466.10
10-20	445.93
20-30	172
30-40	59.97
40-50	26.86
50-60	15.26
60-70	7.09
70-80	3.51
80-90	0.68
90-100	0
100-110	0
110-120	0
120-130	0.01
130-140	0.09
140-150	0.26
150-160	0.77
160-170	1.03
170-180	0.44

COEFFICIENTS OF UTILIZATION																					
RC	80%				70%				50%				30%				10%				0%
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96	96	96	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92	92	92	92
3	107	102	98	95	105	101	97	95	98	95	93	96	94	92	94	92	90	89	89	89	89
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86	86	86	86
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83	83	83	83
6	97	91	87	84	96	90	86	83	89	85	83	88	85	82	86	84	82	81	81	81	81
7	95	88	84	81	94	87	83	80	86	83	80	85	82	80	84	81	79	78	78	78	78
8	92	85	81	78	91	85	81	78	84	80	78	83	80	77	82	79	77	76	76	76	76
9	90	83	79	76	89	82	78	76	82	78	75	81	78	75	80	77	75	74	74	74	74
10	87	81	76	74	87	80	76	74	79	76	73	79	76	73	78	75	73	72	72	72	72

NOTE: Effective Floor Cavity Reflectance 0.20

ZONAL LUMEN SUMMARY			
Zone	Lumens	% of Lamp	% of Fixture
0-20	912.02	N.A.	76.00
0-30	1084.02	N.A.	90.30
0-40	1144.00	N.A.	95.30
0-60	1186.11	N.A.	98.80
0-80	1196.71	N.A.	99.70
0-90	1197.39	N.A.	99.80
10-90	731.29	N.A.	60.90
20-40	231.97	N.A.	19.30
20-50	258.83	N.A.	21.60
40-70	49.20	N.A.	4.10
60-80	10.60	N.A.	0.90
70-80	3.51	N.A.	0.30
80-90	0.68	N.A.	0.10
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.01	N.A.	0.00
90-150	0.36	N.A.	0.00
90-180	2.60	N.A.	0.20
110-180	2.60	N.A.	0.20
0-180	1199.99	N.A.	100.00



Photometric Data: LHM Series

LHM-ID-A-1-10-NF-9-40-P-Q-XX-XXXX

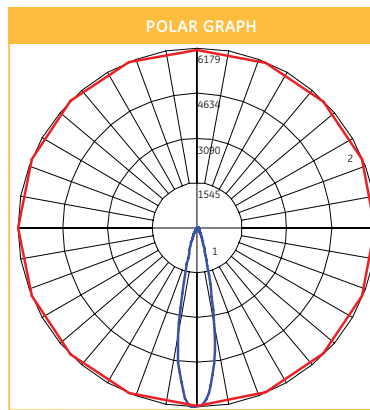
LUMINANCE DATA (CD/SQ.M)			
Angle	0°	45°	90°
45°	16266	15927	16169
55°	9907	9907	10145
65°	4455	4698	5022
75°	4100	4497	4761
85°	1571	1571	1964

ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10	466.09
10-20	445.92
20-30	172.00
30-40	59.97
40-50	26.86
50-60	15.26
60-70	7.09
70-80	3.51
80-90	0.68
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.01
130-140	0.09
140-150	0.26
150-160	0.77
160-170	1.03
170-180	0.44

COEFFICIENTS OF UTILIZATION																					
RC	80%				70%				50%				30%				10%				0%
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96	96	96	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92	92	92	92
3	107	102	98	95	105	101	97	95	98	95	93	96	94	92	94	92	90	89	89	89	89
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86	86	86	86
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83	83	83	83
6	97	91	87	84	96	90	86	83	89	85	83	88	85	82	86	84	82	81	81	81	81
7	95	88	84	81	94	87	83	80	86	83	80	85	82	80	84	81	79	78	78	78	78
8	92	85	81	78	91	85	81	78	84	80	78	83	80	77	82	79	77	76	76	76	76
9	90	83	79	76	89	82	78	76	82	78	75	81	78	75	80	77	75	74	74	74	74
10	87	81	76	74	87	80	76	74	79	76	73	79	76	73	78	75	73	72	72	72	72

NOTE: Effective Floor Cavity Reflectance 0.20

ZONAL LUMEN SUMMARY			
Zone	Lumens	% of Lamp	% of Fixture
0-20	912.01	N.A.	76.00
0-30	1084.00	N.A.	90.30
0-40	1144.98	N.A.	95.30
0-60	1186.1	N.A.	98.80
0-80	1196.7	N.A.	99.70
0-90	1197.37	N.A.	99.80
10-90	731.29	N.A.	60.90
20-40	231.97	N.A.	19.30
20-50	258.83	N.A.	21.60
40-70	49.20	N.A.	4.10
60-80	10.60	N.A.	0.90
70-80	3.51	N.A.	0.30
80-90	0.68	N.A.	0.10
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.01	N.A.	0.00
90-150	0.36	N.A.	0.00
90-180	2.60	N.A.	0.20
110-180	2.60	N.A.	0.20
0-180	1199.97	N.A.	100.00



Photometric Data: LHM Series

LHM-ID-A-1-10-FL-9-40-P-Q-XX-XXXX

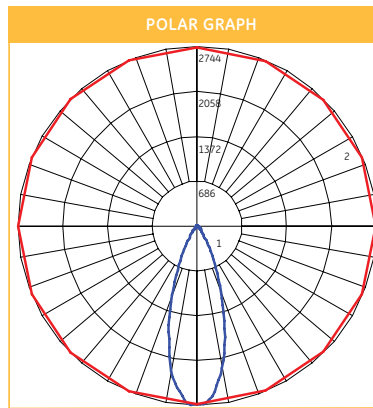
LUMINANCE DATA (CD/SQ.M)			
Angle	0°	45°	90°
45°	27206	26722	28174
55°	13487	13487	14800
65°	7776	7938	8586
75°	7671	7671	8068
85°	1964	1571	2357

ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10	237.09
10-20	452.91
20-30	302.78
30-40	117.37
40-50	46.89
50-60	22.54
60-70	10.90
70-80	6.15
80-90	0.94
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.02
130-140	0.12
140-150	0.40
150-160	0.75
160-170	0.76
170-180	0.33

COEFFICIENTS OF UTILIZATION																					
RC	80%				70%				50%				30%				10%				0%
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94
2	109	104	101	98	107	103	99	97	100	97	94	97	94	92	94	92	90	89	89	89	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	87	85	84	84	84	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80	80	80	80
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	75	75	75	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	72	72	72	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	68	68	68	68
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65	65	65	65
9	82	73	68	65	81	73	68	64	72	67	64	71	67	64	70	66	64	63	63	63	63
10	79	70	65	62	78	70	65	62	69	65	61	68	64	61	68	64	61	60	60	60	60

NOTE: Effective Floor Cavity Reflectance 0.20

ZONAL LUMEN SUMMARY			
Zone	Lumens	% of Lamp	% of Fixture
0-20	690.01	N.A.	57.50
0-30	992.79	N.A.	82.70
0-40	1110.16	N.A.	92.50
0-60	1179.59	N.A.	98.30
0-80	1196.64	N.A.	99.70
0-90	1197.58	N.A.	99.80
10-90	960.48	N.A.	80.00
20-40	420.15	N.A.	35.00
20-50	467.04	N.A.	38.90
40-70	80.33	N.A.	6.70
60-80	17.05	N.A.	1.40
70-80	6.15	N.A.	0.50
80-90	0.94	N.A.	0.10
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.03	N.A.	0.00
90-150	0.55	N.A.	0.00
90-180	2.39	N.A.	0.20
110-180	2.39	N.A.	0.20
0-180	1199.97	N.A.	100.00



Photometric Data: LHS Series

L-HS-ID-A-1-23-WF-9-40-P-Q-XX-XXXX

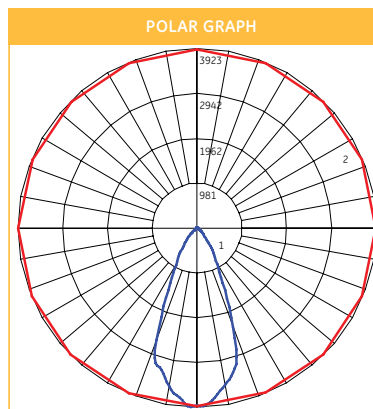
LUMINANCE DATA (CD/SQ.M)			
Angle	0°	45°	90°
45°	37609	35780	35823
55°	11140	11326	11962
65°	5220	5076	5292
75°	4996	4938	4879
85°	1222	1222	1222

ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10	352.50
10-20	873.51
20-30	676.73
30-40	363.88
40-50	155.68
50-60	45.93
60-70	16.34
70-80	8.85
80-90	1.45
90-100	0.09
100-110	0.10
110-120	0.10
120-130	0.13
130-140	0.32
140-150	0.91
150-160	1.47
160-170	1.38
170-180	0.58

COEFFICIENTS OF UTILIZATION																					
RC	80%				70%				50%				30%				10%				0%
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	97	96	95	94	94	94	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88	88	88	88
3	103	97	92	88	101	96	91	88	93	89	86	91	87	85	88	86	84	82	82	82	82
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	77	77	77	77
5	94	86	80	76	92	85	80	76	83	79	75	81	77	74	80	76	74	72	72	72	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68	68	68	68
7	85	77	71	67	84	76	71	67	75	70	66	73	69	66	72	69	66	64	64	64	64
8	82	73	67	63	80	72	67	63	71	66	63	70	66	62	69	65	62	61	61	61	61
9	78	69	64	60	77	69	63	60	68	63	59	67	62	59	66	62	59	58	58	58	58
10	75	66	60	57	74	65	60	57	65	60	56	64	59	56	63	59	56	55	55	55	55

NOTE: Effective Floor Cavity Reflectance 0.20

ZONAL LUMEN SUMMARY			
Zone	Lumens	% of Lamp	% of Fixture
0-20	1226.00	N.A.	49.00
0-30	1902.73	N.A.	76.10
0-40	2266.61	N.A.	90.70
0-60	2468.22	N.A.	98.70
0-80	2493.42	N.A.	99.70
0-90	2494.86	N.A.	99.80
10-90	2142.37	N.A.	85.70
20-40	1040.61	N.A.	41.60
20-50	1196.29	N.A.	47.90
40-70	217.95	N.A.	8.70
60-80	25.19	N.A.	1.00
70-80	8.85	N.A.	0.40
80-90	1.45	N.A.	0.10
90-110	0.20	N.A.	0.00
90-120	0.30	N.A.	0.00
90-130	0.43	N.A.	0.00
90-150	1.66	N.A.	0.10
90-180	5.09	N.A.	0.20
110-180	4.89	N.A.	0.20
0-180	2499.95	N.A.	100.00



Photometric Data: LHS Series

L-HS-ID-A-1-23-NF-9-40-P-Q-XX-XXXX

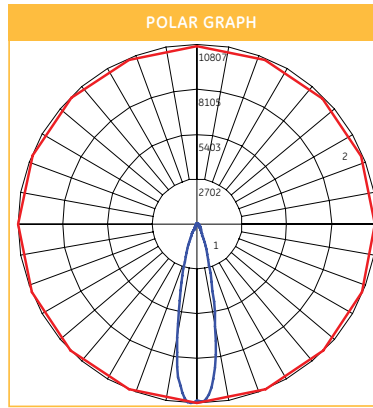
LUMINANCE DATA (CD/SQ.M)			
Angle	0°	45°	90°
45°	21666	20332	20482
55°	12387	11883	12042
65°	4068	3888	3960
75°	3997	3762	3703
85°	1396	873	873

ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10	853.21
10-20	954.36
20-30	378.22
30-40	157.36
40-50	84.07
50-60	45.32
60-70	14.66
70-80	6.64
80-90	1.12
90-100	0.01
100-110	0.01
110-120	0.01
120-130	0.01
130-140	0.08
140-150	0.52
150-160	1.55
160-170	1.99
170-180	0.85

COEFFICIENTS OF UTILIZATION																		
RC	80%				70%				50%			30%			10%		0%	
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	101	99	97	99	97	95	96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88
4	103	97	92	89	101	96	92	89	94	90	87	92	89	86	90	87	86	84
5	99	93	88	85	98	92	88	84	90	86	84	89	85	83	87	84	82	81
6	96	89	85	81	95	88	84	81	87	83	80	86	82	80	84	82	79	78
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76
8	90	83	78	75	89	82	78	75	81	78	75	81	77	75	80	77	74	73
9	88	80	76	73	87	80	76	73	79	75	73	78	75	72	77	74	72	71
10	85	78	74	71	84	77	73	71	77	73	70	76	73	70	75	72	70	69

NOTE: Effective Floor Cavity Reflectance 0.20

ZONAL LUMEN SUMMARY			
Zone	Lumens	% of Lamp	% of Fixture
0-20	1807.57	N.A.	72.30
0-30	2185.79	N.A.	87.40
0-40	2343.14	N.A.	93.70
0-60	2472.54	N.A.	98.90
0-80	2493.84	N.A.	99.80
0-90	2494.96	N.A.	99.80
10-90	1641.75	N.A.	65.70
20-40	535.58	N.A.	21.40
20-50	619.65	N.A.	24.80
40-70	144.06	N.A.	5.80
60-80	21.30	N.A.	0.90
70-80	6.64	N.A.	0.30
80-90	1.12	N.A.	0.00
90-110	0.01	N.A.	0.00
90-120	0.02	N.A.	0.00
90-130	0.03	N.A.	0.00
90-150	0.64	N.A.	0.00
90-180	5.02	N.A.	0.20
110-180	5.00	N.A.	0.20
0-180	2499.98	N.A.	100.00



Photometric Data: LHS Series

L-HS-ID-A-1-23-FL-9-40-P-Q-XX-XXXX

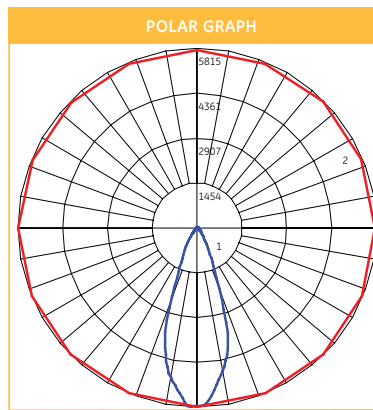
LUMINANCE DATA (CD/SQ.M)			
Angle	0°	45°	90°
45°	22828	22333	23495
55°	10424	10185	10557
65°	3924	3780	3888
75°	3880	3703	3644
85°	1222	873	873

ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10	502.48
10-20	1042.59
20-30	560.38
30-40	232.51
40-50	94.56
50-60	40.54
60-70	13.63
70-80	6.71
80-90	1.18
90-100	0.06
100-110	0.08
110-120	0.08
120-130	0.11
130-140	0.23
140-150	0.81
150-160	1.60
160-170	1.68
170-180	0.72

COEFFICIENTS OF UTILIZATION																		
RC	80%				70%				50%			30%			10%		0%	
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	96	89	84	80	95	88	84	80	87	83	79	85	81	79	83	80	78	77
6	93	85	80	76	91	84	79	76	83	79	75	81	78	75	80	77	74	73
7	89	81	76	72	88	81	76	72	79	75	72	78	74	71	77	74	71	70
8	86	78	73	69	85	77	72	69	76	72	69	75	71	68	74	71	68	67
9	83	74	69	66	82	74	69	66	73	69	66	72	68	65	71	68	65	64
10	80	71	67	63	79	71	66	63	70	66	63	70	66	63	69	65	63	62

NOTE: Effective Floor Cavity Reflectance 0.20

ZONAL LUMEN SUMMARY			
Zone	Lumens	% of Lamp	% of Fixture
0-20	1545.07	N.A.	61.80
0-30	2105.45	N.A.	84.20
0-40	2337.96	N.A.	93.50
0-60	2473.05	N.A.	98.90
0-80	2493.39	N.A.	99.70
0-90	2494.57	N.A.	99.80
10-90	1992.08	N.A.	79.70
20-40	792.88	N.A.	31.70
20-50	887.44	N.A.	35.50
40-70	148.72	N.A.	5.90
60-80	20.33	N.A.	0.80
70-80	6.71	N.A.	0.30
80-90	1.18	N.A.	0.00
90-110	0.15	N.A.	0.00
90-120	0.23	N.A.	0.00
90-130	0.33	N.A.	0.00
90-150	1.38	N.A.	0.10
90-180	5.38	N.A.	0.20
110-180	5.23	N.A.	0.20
0-180	2499.95	N.A.	100.00



Photometric Data: LHL Series

L-HL-ID-A-1-36-WF-9-40-P-Q-XX-XXXX

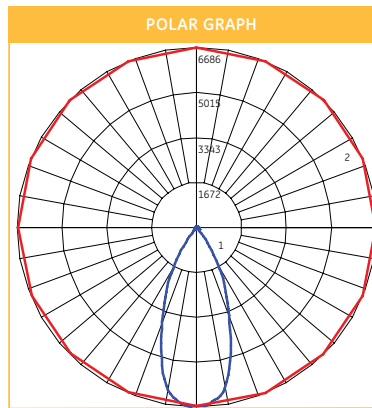
LUMINANCE DATA (CD/SQ.M)			
Angle	0°	45°	90°
45°	12538	12683	12756
55°	10518	10727	10787
65°	9578	9436	9254
75°	11936	11341	10812
85°	4124	5106	5891

ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10	612.87
10-20	1358.1
20-30	1177.87
30-40	502.35
40-50	84.37
50-60	64.06
60-70	46.55
70-80	36.21
80-90	10.05
90-100	0.17
100-110	0.16
110-120	0.15
120-130	0.16
130-140	0.46
140-150	1.32
150-160	2.16
160-170	2.05
170-180	0.85

COEFFICIENTS OF UTILIZATION																		
RC	80%				70%				50%			30%			10%		0%	
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	97	96	95	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	82
4	99	92	86	83	97	91	86	82	88	84	81	86	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	73	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	71	68	74	70	67	66
8	83	74	69	65	82	74	68	65	72	68	64	71	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
10	76	67	62	59	75	67	62	59	66	62	58	65	61	58	65	61	58	57

NOTE: Effective Floor Cavity Reflectance 0.20

ZONAL LUMEN SUMMARY			
Zone	Lumens	% of Lamp	% of Fixture
0-20	1970.97	N.A.	50.50
0-30	3148.85	N.A.	80.70
0-40	3651.2	N.A.	93.60
0-60	3799.63	N.A.	97.40
0-80	3882.4	N.A.	99.60
0-90	3892.44	N.A.	99.80
10-90	3279.57	N.A.	84.10
20-40	1680.23	N.A.	43.10
20-50	1764.6	N.A.	45.20
40-70	194.98	N.A.	5.00
60-80	82.77	N.A.	2.10
70-80	36.21	N.A.	0.90
80-90	10.05	N.A.	0.30
90-110	0.33	N.A.	0.00
90-120	0.48	N.A.	0.00
90-130	0.63	N.A.	0.00
90-150	2.42	N.A.	0.10
90-180	7.47	N.A.	0.20
110-180	7.14	N.A.	0.20
0-180	3899.91	N.A.	100.00



Photometric Data: LHL Series

L-HL-ID-A-1-36-SP-9-40-P-Q-XX-XXXX

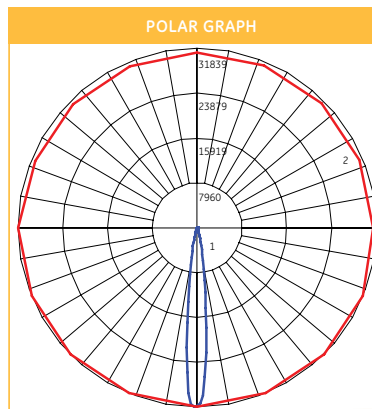
LUMINANCE DATA (CD/SQ.M)			
Angle	0°	45°	90°
45°	8944	8508	7903
55°	4297	4088	3775
65°	2288	2086	1802
75°	2116	1918	1686
85°	1375	1080	982

ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10	1422.63
10-20	653.00
20-30	141.35
30-40	77.58
40-50	54.35
50-60	25.40
60-70	9.74
70-80	5.83
80-90	1.78
90-100	0.51
100-110	0.48
110-120	0.45
120-130	0.42
130-140	0.41
140-150	0.60
150-160	1.71
160-170	2.59
170-180	1.05

COEFFICIENTS OF UTILIZATION																		
RC	80%				70%				50%			30%			10%		0%	
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	112	110	113	111	110	108	107	106	105	103	103	102	100	99	99	97
2	112	109	106	104	110	107	105	103	104	102	100	101	99	98	98	97	96	95
3	109	105	102	99	107	103	101	98	101	99	97	99	97	95	97	95	94	92
4	106	101	98	95	105	100	97	95	98	96	94	97	94	93	95	93	92	90
5	104	99	95	92	102	98	94	92	96	93	91	95	92	90	93	91	90	89
6	101	96	92	90	100	95	92	90	94	91	89	93	90	88	92	90	88	87
7	99	94	90	88	98	93	90	88	92	89	87	91	89	87	90	88	86	85
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84
9	96	90	87	84	95	90	87	84	89	86	84	88	86	84	88	85	84	83
10	94	89	85	83	93	88	85	83	88	85	83	87	84	83	86	84	82	82

NOTE: Effective Floor Cavity Reflectance 0.20

ZONAL LUMEN SUMMARY			
Zone	Lumens	% of Lamp	% of Fixture
0-20	2075.63	N.A.	86.50
0-30	2216.97	N.A.	92.40
0-40	2294.55	N.A.	95.60
0-60	2374.3	N.A.	98.90
0-80	2389.87	N.A.	99.60
0-90	2391.65	N.A.	99.70
10-90	969.02	N.A.	40.40
20-40	218.93	N.A.	9.10
20-50	273.28	N.A.	11.40
40-70	89.49	N.A.	3.70
60-80	15.56	N.A.	0.60
70-80	5.83	N.A.	0.20
80-90	1.78	N.A.	0.10
90-110	0.99	N.A.	0.00
90-120	1.44	N.A.	0.10
90-130	1.85	N.A.	0.10
90-150	2.87	N.A.	0.10
90-180	8.21	N.A.	0.30
110-180	7.22	N.A.	0.30
0-180	2399.86	N.A.	100.00



Photometric Data: LHL Series

L-HL-ID-A-1-36-NF-9-40-P-Q-XX-XXXX

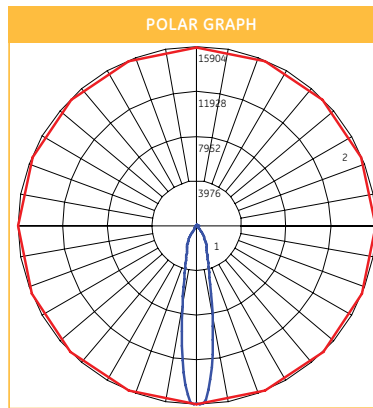
LUMINANCE DATA (CD/SQ.M)			
Angle	0°	45°	90°
45°	10989	10819	10698
55°	14592	14189	13443
65°	11866	12028	12230
75°	14548	14614	14647
85°	6284	5204	3829

ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10	1086.64
10-20	1183.47
20-30	932.64
30-40	414.94
40-50	70.42
50-60	84.20
60-70	61.51
70-80	44.37
80-90	12.50
90-100	0.23
100-110	0.21
110-120	0.20
120-130	0.18
130-140	0.46
140-150	1.26
150-160	2.52
160-170	2.94
170-180	1.21

COEFFICIENTS OF UTILIZATION																							
RC	80%				70%				50%				30%				10%				0%		
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100
1	114	111	109	107	111	109	107	105	105	105	103	102	101	100	99	98	97	96	94	94	94	94	94
2	109	104	101	98	107	103	99	97	99	97	94	97	94	92	94	92	94	92	90	89	89	89	89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84	84	84	84	84	84
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80	80	80	80	80	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76	76	76	76	76	76
6	93	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73	73	73	73	73	73
7	89	81	76	73	88	81	76	72	79	75	72	78	74	72	77	74	71	70	70	70	70	70	70
8	86	78	73	69	85	77	73	69	76	72	69	75	72	69	75	71	68	67	67	67	67	67	67
9	83	75	70	67	82	75	70	67	74	69	66	73	69	66	72	68	66	65	65	65	65	65	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	64	63	63	63	63	63	63

NOTE: Effective Floor Cavity Reflectance 0.20

ZONAL LUMEN SUMMARY			
Zone	Lumens	% of Lamp	% of Fixture
0-20	2270.11	N.A.	58.20
0-30	3202.75	N.A.	82.10
0-40	3617.69	N.A.	92.80
0-60	3772.31	N.A.	96.70
0-80	3878.2	N.A.	99.40
0-90	3890.7	N.A.	99.80
10-90	2804.06	N.A.	71.90
20-40	1347.58	N.A.	34.60
20-50	1417.99	N.A.	36.40
40-70	216.13	N.A.	5.50
60-80	105.89	N.A.	2.70
70-80	44.37	N.A.	1.10
80-90	12.50	N.A.	0.30
90-110	0.44	N.A.	0.00
90-120	0.64	N.A.	0.00
90-130	0.83	N.A.	0.00
90-150	2.54	N.A.	0.10
90-180	9.20	N.A.	0.20
110-180	8.76	N.A.	0.20
0-180	3899.9	N.A.	100.00



Photometric Data: LHL Series

L-HL-ID-A-1-36-FL-9-40-P-Q-XX-XXXX

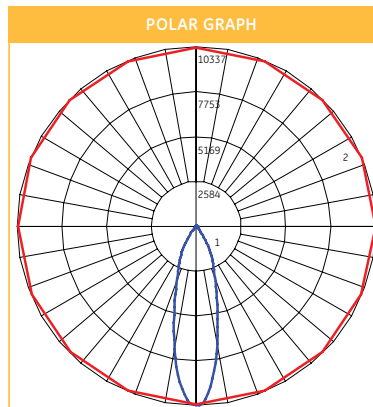
LUMINANCE DATA (CD/SQ.M)			
Angle	0°	45°	90°
45°	11534	11449	11485
55°	10981	10981	11190
65°	10307	10489	10955
75°	12101	12564	13259
85°	4222	4418	4909

ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10	820.24
10-20	1332.62
20-30	1037.92
30-40	452.23
40-50	76.45
50-60	66.17
60-70	52.54
70-80	39.92
80-90	11.69
90-100	0.58
100-110	0.56
110-120	0.51
120-130	0.49
130-140	0.75
140-150	1.47
150-160	2.34
160-170	2.36
170-180	0.97




COEFFICIENTS OF UTILIZATION																							
RC	80%				70%				50%				30%				10%				0%		
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100
1	114	111	109	107	111	109	107	105	105	105	103	102	101	100	98	98	97	96	94	94	94	94	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88	88	88	88	88	88
3	104	98	93	90	102	97	92	89	94	90	88	92	89	86	89	87	85	83	83	83	83	83	83
4	99	93	88	84	98	91	87	83	89	85	82	87	84	81	86	83	80	79	79	79	79	79	79
5	95	88	83	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75	75	75	75	75	75
6	91	84	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	71	71	71	71	71	71
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68	68	68	68	68	68
8	84	76	71	67	83	76	71	67	74	70	67	74	69	67	73	69	66	65	65	65	65	65	65
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62	62	62	62	62	62
10	78	70	65	61	77	69	65	61	69	64	61	68	64	61	67	64	61	60	60	60	60	60	60

NOTE: Effective Floor Cavity Reflectance 0.20

ZONAL LUMEN SUMMARY			
Zone	Lumens	% of Lamp	% of Fixture
0-20	2152.86	N.A.	55.20
0-30	3190.78	N.A.	81.80
0-40	3643.01	N.A.	93.40
0-60	3785.64	N.A.	97.10
0-80	3878.1	N.A.	99.40
0-90	3889.79	N.A.	99.70
10-90	3069.55	N.A.	78.70
20-40	1490.15	N.A.	38.20
20-50	1566.61	N.A.	40.20
40-70	195.17	N.A.	5.00
60-80	92.46	N.A.	2.40
70-80	39.92	N.A.	1.00
80-90	11.69	N.A.	0.30
90-110	1.14	N.A.	0.00
90-120	1.65	N.A.	0.00
90-130	2.14	N.A.	0.10
90-150	4.36	N.A.	0.10
90-180	10.03	N.A.	0.30
110-180	8.89	N.A.	0.20
0-180	3899.82	N.A.	100.00



Accessory Sheet:

SKU	MATERIAL DESCRIPTION	PRODUCT DESCRIPTION	
93047465	LHLBDWHT	LHL WHITE BARN DOOR	 <p>Barn Door</p>
93047706	LHLBDBLCK	LHL BLACK BARN DOOR	
93047125	LHLSNWHTE	LHL WHITE SNOOT	
93047406	LHLSNBLCK	LHL BLACK SNOOT	
93047407	LHLHX	LHL HEXCEL LOUVER	
93047707	LHSBDWHT	LHS WHITE BARN DOOR	 <p>Snoot</p>
93047708	LHSBDBLCK	LHS BLACK BARN DOOR	
93047408	LHSSNWHTE	LHS WHITE SNOOT	
93047409	LHSSNBLCK	LHS BLACK SNOOT	
93047410	LHSHX	LHS HEXCEL LOUVER	
93047709	LHMBDWHT	LHM WHITE BARN DOOR	 <p>Hexcel Louver</p>
93047710	LHMBDBLCK	LHM BLACK BARN DOOR	
93047411	LHMSNWHTE	LHM WHITE SNOOT	
93047412	LHMSNBLCK	LHM BLACK SNOOT	
93047413	LHMHX	LHM HEXCEL LOUVER	

Product Specifications:

Construction:

- Die-cast and precision machined head
- Textured powder coat finish
- Nylon lock washer firmly sets aiming angle

Installation:

- Complete with hanging system for new and retrofit installation

Weight:

- 1 to 3.7 Lbs.

Optical System:

- Precision designed reflectors and diffusers for optimal efficiency

Electrical System:

- Power factor > 0.9

For more information and access to all of our resources, including our design tool visit: www.gelighting.com