

INDUSTRIAL AND HIGH-COMMERCIAL LIGHTING MANUFACTURER

CLRHF Series

Round High Bay LED Luminaire



The CLRHF series is IP69K rated and can be used indoors or outdoors, as it protects against water, dust, and vapor.

Ideal for food processing factory, pharmaceutical factory, cosmetics, dust-free plant, winery, supermarket etc.



(Chain not included)

CONSTRUCTION

Excellent optical design, greatly improves the light utilization and evenness. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life.

ELECTRICAL

Luminaire is built with the highest quality 100-277VAC, 480V drivers.

OPTICAL SYSTEM

Designed to reduce glare and improve light distribution through precision formed lens optics.

MOUNTING

Suspended mounting.

ENERGY SAVINGS

Over 50% energy savings than traditionally fluorescent fixtures, low heat productions requires less maintenance and operation cost.

LISTING

ETL Listed, RoHS, NSF, IP69K

WARRANTY

5 year Limited Warranty

PART NO.	DELIVERED LUMENS	EFFICACY
CLRHF-150W	24,750 @ 5000K	up to 165 lm/W
CLRHF-200W	33,000 @ 5000K	up to 165 lm/W
CLRHF-240W	39,600 @ 5000K	up to 165 lm/W

TECHNICAL SPECIFICATION

CCT	5000K (3000K, 4000K special order required)
CRI	70/80
BEAM ANGLE	60°, 90°, 120°
VOLTAGE	100V-277V, 480V
POWER FREQUENCY	50/60 Hz
POWER FACTOR	>0.95
THD	≤20%
TEMPERATURE RATED	-40°F ~ 140°F
IP RATING	IP69K (High pressure/temperature water jets)
WARRANTY	5 year limited

ORDERING SAMPLE:

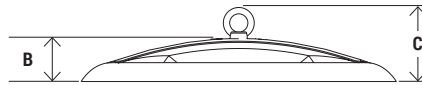
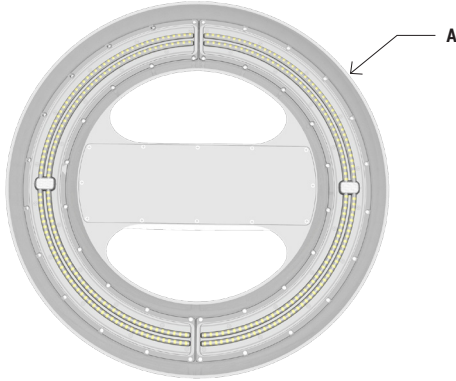
CLRHF Series	-	150W Wattage	-	50K CCT	-	90 Beam Angle
CLRHF Round High Bay Series For Food Processing		150W 200W 240W		50K - 5000K (3000K, 4000K special order required)		60 - 60° (Standard) 90 - 90° 120 - 120°
				BLANK - (100V-277V Standard) 480V - 480V		

Catalog Number:	Note:
Project Name:	Type:

INDUSTRIAL AND HIGH-COMMERCIAL LIGHTING MANUFACTURER

CLRHF SERIES

DIMENSIONS



CATALOG NUMBER	A	B	C
CLRHF-150W	15"	2.48"	4.45"
CLRHF-200W CLRHF-240W	19.68"	2.68"	4.65"

QTY/BOX



BEAM ANGLE

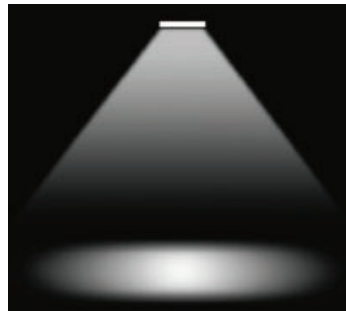
60°



90°



120°



MOUNTING



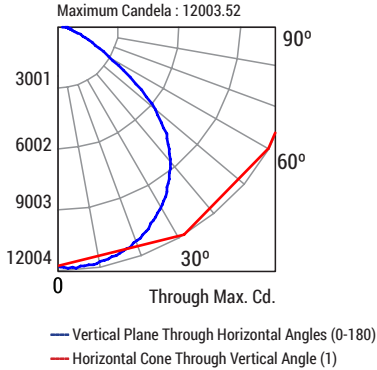
Suspended Mount
Comes with standard eye-hook.
(Chain not included)

INDUSTRIAL AND HIGH-COMMERCIAL LIGHTING MANUFACTURER

CLRH SERIES

PHOTOMETRICS

CLRH *Wattage: 150W* *Delivered lumens: 24362* *Beam Angle: 90°* *Efficacy: 162 lm/W* *CCT: 5000K* *CRI: 80*

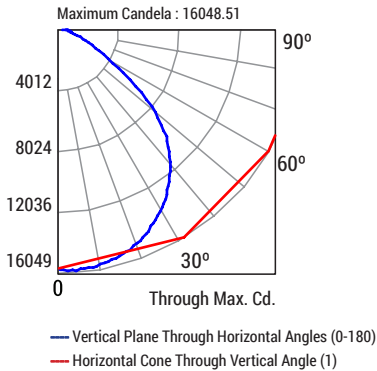


RCR	Coefficients of Utilization										
	20%										
	80%		70%		50%		30%		10%		
0	1	2	3	4	5	6	7	8	9	10	
0	119	119	119	119	116	116	116	116	111	111	111
1	111	108	104	101	109	105	102	100	101	99	97
2	103	97	91	87	101	95	90	86	92	87	84
3	96	87	80	75	93	86	79	74	83	77	73
4	89	79	71	65	87	77	70	65	75	69	64
5	82	71	63	58	80	70	63	57	68	62	57
6	77	65	57	51	75	64	56	51	62	56	51
7	71	59	51	46	70	58	51	46	57	50	45
8	67	54	47	41	65	54	46	41	52	46	41
9	62	50	43	38	61	50	42	37	48	42	37
10	59	46	39	34	57	46	39	34	45	39	34

	CP Summary	
	0°	90°
0°	11924.140	11924.140
5°	11951.920	11865.880
15°	11538.020	11384.230
25°	10619.150	10457.210
35°	9216.528	9033.359
45°	7094.377	6731.087
55°	3377.310	2953.310
65°	904.046	871.672
75°	227.038	235.115
85°	68.180	48.945
90°	98.780	76.236

	Zonal Lumen Summary	
	Lumens	%Fixture
0° - 20°	4348.27	17.80
0° - 30°	9181.48	37.70
0° - 40°	14838.27	60.90
0° - 60°	22895.3	94.00
0° - 80°	24276.43	99.60
0° - 90°	24362.77	100.00

CLRH *Wattage: 200W* *Delivered lumens: 32573* *Beam Angle: 90°* *Efficacy: 163 lm/W* *CCT: 5000K* *CRI: 80*

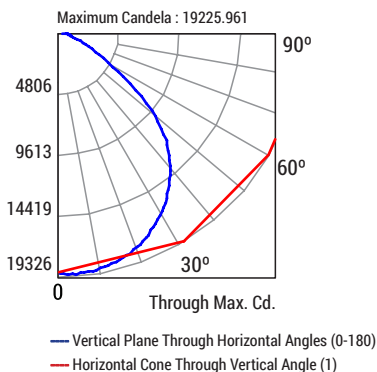


RCR	Coefficients of Utilization										
	20%										
	80%		70%		50%		30%		10%		
0	1	2	3	4	5	6	7	8	9	10	
0	119	119	119	119	116	116	116	116	111	111	111
1	111	108	104	101	109	105	102	100	101	99	97
2	103	97	91	87	101	95	90	86	92	87	84
3	96	87	80	75	93	86	79	74	83	77	73
4	89	79	71	65	87	77	70	65	75	69	64
5	82	71	63	58	80	70	63	57	68	62	57
6	77	65	57	51	75	64	56	51	62	56	51
7	71	59	51	46	70	58	51	46	57	50	45
8	67	54	47	41	65	54	46	41	52	46	41
9	62	50	43	38	61	50	42	37	48	42	37
10	59	46	39	34	57	46	39	34	45	39	34

	CP Summary	
	0°	90°
0°	15942.380	15942.380
5°	15979.520	15864.480
15°	15426.140	15220.530
25°	14197.620	13981.110
35°	12326.360	12007.450
45°	9845.053	8999.351
55°	4515.407	3948.526
65°	1208.694	1165.410
75°	303.547	314.344
85°	91.129	65.438
90°	51.848	101.927

	Zonal Lumen Summary	
	Lumens	%Fixture
0° - 20°	5813.56	17.80
0° - 30°	12275.48	37.70
0° - 40°	19838.52	60.90
0° - 60°	30610.63	94.00
0° - 80°	32457.18	99.60
0° - 90°	32572.62	100.00

CLRH *Wattage: 240W* *Delivered lumens: 39022* *Beam Angle: 90°* *Efficacy: 162 lm/W* *CCT: 5000K* *CRI: 80*



RCR	Coefficients of Utilization										
	20%										
	80%		70%		50%		30%		10%		
0	1	2	3	4	5	6	7	8	9	10	
0	119	119	119	119	116	116	116	116	111	111	111
1	111	108	104	101	109	105	102	100	101	99	97
2	103	97	91	87	101	95	90	86	92	87	84
3	96	87	80	75	93	86	79	74	83	77	73
4	89	79	71	65	87	77	70	65	75	69	64
5	82	71	63	58	80	70	63	57	68	62	57
6	77	65	57	51	75	64	56	51	62	56	51
7	71	59	51	46	70	58	51	46	57	50	45
8	67	54	47	41	65	54	46	41	52	46	41
9	62	50	43	38	61	50	42	37	48	42	37
10	59	46	39	34	57	46	39	34	45	39	34

	CP Summary	
	0°	90°
0°	19098.811	19098.811
5°	19143.311	19005.490
15°	18840.369	18234.039
25°	17008.609	16749.230
35°	14755.860	14468.670
45°	11363.010	10781.140
55°	5409.414	4730.296
65°	1448.004	1396.150
75°	363.646	376.681
85°	109.172	78.394
90°	62.113	122.107

	Zonal Lumen Summary	
	Lumens	%Fixture
0° - 20°	6964.59	17.80
0° - 30°	14705.91	37.70
0° - 40°	23766.36	60.90
0° - 60°	36671.24	94.00
0° - 80°	38883.38	99.60
0° - 90°	39021.68	100.00