

LHFRLD4 - PHOTOMETRY

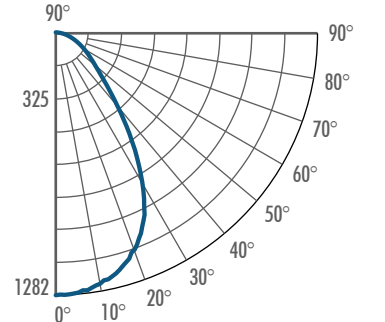
4" C-Series IC Fire-Rated Downlight

LUMENS PACKAGE :	1000lm	1500lm	2000lm	3000lm
SYSTEM POWER :	16W	22W	27W	28W

LHFRLD428UE-D10 - 2000lm - 4000K

System Power	:31W	CCT Multipliers	
Test Date	:12/2015	4000K	1.00
Beam Angle 50%	:69.8°	3500K	0.99
Field Angle 10%	:127.3°	3000K	0.97
Color Temperature	:4000K	2700K	0.95
CRI	:84	Lumen Multipliers	
R9 Value	:68	1000lm	0.51
Lumens Delivered	:1942lm	1500lm	0.77
CBCP	:1282cd	3000lm	1.54
Power Factor	:1.00		

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8'	11.2'	20.0
9'	12.6'	15.8
10'	14.0'	12.8
12'	16.8'	8.9
15'	21.0'	5.7

RECOMMENDED SPACING

Clg Ht	Spacing	Max/Min Ratio
10 ft	7 ft o.c.	2.3:1
12 ft	4.5 ft o.c.	1.8:1
15 ft	3 ft o.c.	1.5:1

CONTROLLED DIMMING (%)

Fixture	Dimming %
LHFRLD410-D10	0.42 %
LHFRLD418-D10	0.37 %
LHFRLD428-D10	15.38 %

EFFECTIVE FLOOR CAVITY REFLECTANCE @ 20%

RC	80	50	30	10
RW	70	50	30	10
0	119	119	119	119
1	111	107	104	101
2	103	97	91	87
3	96	88	81	76
4	89	80	72	67
5	83	73	65	60
6	78	67	59	54
7	73	61	54	49
8	69	57	49	44
9	65	53	46	41
10	61	49	42	37

RC	50	30	10
RW	70	30	10
0	111	111	111
1	101	99	96
2	92	87	84
3	83	78	74
4	76	70	65
5	70	63	59
6	64	58	53
7	59	53	48
8	55	49	44
9	51	45	40
10	48	42	37

RC	70	50	30	10
RW	70	50	30	10
0	116	116	116	116
1	109	105	102	99
2	101	95	90	86
3	94	86	80	75
4	87	78	72	66
5	82	72	65	59
6	76	66	59	53
7	72	61	54	48
8	67	56	49	44
9	63	52	45	41
10	60	49	42	37

2020.09.01