

DESCRIPTION

The Corelite R6 small aperture linear fixture is the ultimate solution to numerous design requirements. Utilizing the Corelite engineered linear optical system the R6 delivers lumens both to the task surface yet maintains a soft luminous glow for high visual comfort. The low profile housing can be installed in most grid types including Techzone™. To further realize the design potential of the R6 series, it is available with a complete palette of lamp options, including T5, T8, & LED, and maintains dedication to shallow plenum applications with a minimal 3-3/4 in. deep housing. The R6 is perfectly suited for open offices, corridors, perimeters, or any space with stringent design or energy requirements.

SPECIFICATION FEATURES

A ... Construction

Low profile housing constructed of die-formed 20 gauge cold rolled steel with integral 20 gauge gear tray.

B ... Reflectors

Precision tooled, high reflectance sheet metal which allows for easy access to ballast compartment.

C ... Shielding

Extruded acrylic center optic with linear prisms.

D ... Electrical

Fixture equipped with proprietary Cooper LED modules rated at 3500K. Removable module features aluminum extrusion providing exceptional thermal management. Modules are driven using universal voltage switch-mode LED drivers. Fixture and modules certified to UL and CUL standards.

E ... Finish

Fixture housings are high reflectance white using electrostatically applied polyester powder coat paint.

Mounting

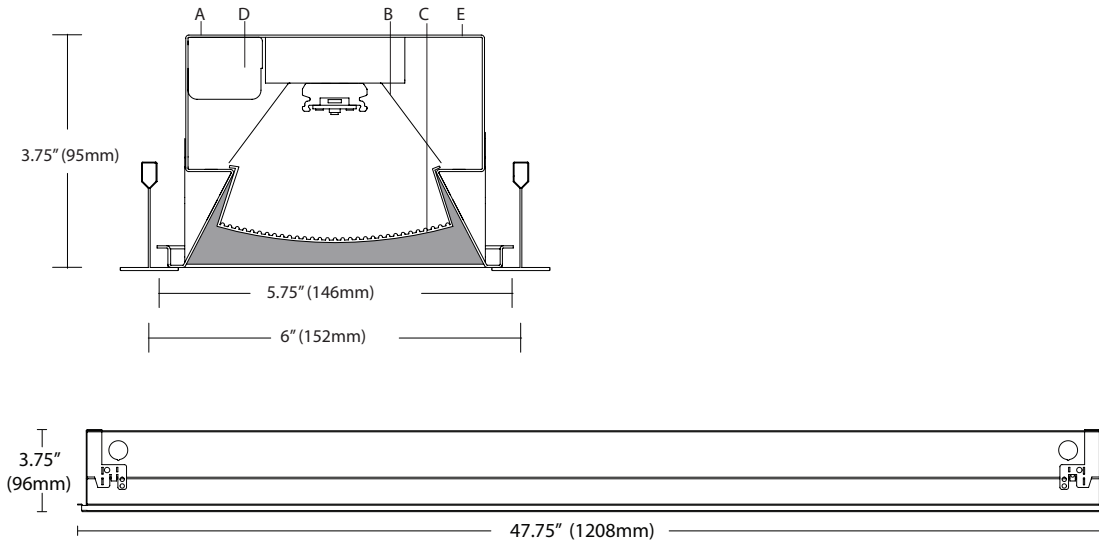
Standard flange design works with most lay-in ceiling types including Techzone™. Integral pryout tabs secure luminaire to ceiling grid from above. Fixture offers tie-in locations for tie-wire on all corners, consult local code for appropriate tie-wire recommendations.



CLASS R6 Linear Prismatic Lens

LED

6 in. x 4 ft. Recessed
3-3/4 in. Depth

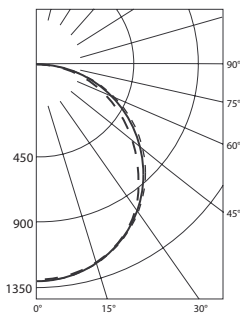


ORDERING INFORMATION

Sample Number: R6-WL-2L35-1C-120-4-T1

Series R6: Class R6 LED	Shielding L: Frosted_Prismatic	Color Temperature L30: LED, 3000K (subtract 10% from 3500K light levels) L35: LED, 3500K L40: LED, 4000K (add 10% to 3500K light levels)	Wiring ¹ C: Standard Circuit D: Dimming E: Emergency T: Nightlight Y: Daylight	Voltage ¹ 120: 120V 277: 277V 347: 347V UNV: Universal (120V-277V)	Ceiling Type T1: 1" Grid, Slot-Grid, 9/16" Tegular T9: 9/16" Grid
Reflector W: White	Light Level 1: Light Level 1 1500mA 2: Light Level 2 2000mA	Number of Circuits 1: 1 Circuit	Size 4: 6" x 4'		

Notes: 1 Not all options available. Please consult your Cooper Lighting Representative for availability.



R6-WL-2L35-4
3164 Lumens
37.4 Watts
84.6 LPW
LED ALM 2.0

Test Report: #P22370

Coefficients of Utilization

rc	Effective floor cavity reflectance																						
	20%																						
	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		
RCR	0	119	119	119	119	116	116	116	116	111	111	111	111	111	106	106	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86	86	86	86	86	
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73	73	73	73	73	
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62	62	62	62	62	
4	85	73	65	59	82	72	64	58	70	63	57	67	61	57	65	60	56	54	54	54	54	54	
5	78	66	57	51	76	65	57	51	63	56	50	61	54	50	59	53	49	47	47	47	47	47	
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41	41	41	41	41	
7	67	54	46	40	66	53	45	40	52	45	39	50	44	39	49	43	39	37	37	37	37	37	
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35	33	33	33	33	33	
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30	30	30	30	30	
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27	27	27	27	27	

Candela

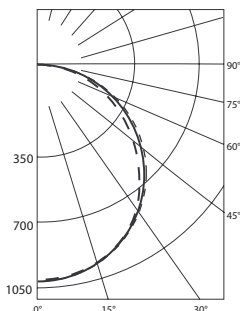
Angle	0-Deg	23-Deg	45-Deg	68-Deg	90-Deg
0	1290	1290	1290	1290	1290
5	1296	1279	1287	1284	1284
10	1278	1262	1270	1266	1266
15	1248	1233	1242	1239	1239
20	1203	1190	1200	1194	1195
25	1146	1135	1146	1137	1136
30	1075	1066	1078	1064	1059
35	990	987	996	969	955
40	897	897	901	851	830
45	795	799	786	720	690
50	691	694	661	584	546
55	582	584	535	453	423
60	477	472	414	345	320
65	375	363	307	255	236
70	279	263	216	180	168
75	193	174	141	119	113
80	117	99	80	68	65
85	54	39	31	27	25
90	0	0	0	0	0

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0-30	996	N.A.	31.5
0-40	1608	N.A.	50.8
0-60	2660	N.A.	84.1
0-90	3164	N.A.	100
40-90	1556	N.A.	49.2
60-90	504	N.A.	15.9
90-180	0	N.A.	0
0-180	3164	N.A.	100

Luminance Data

Angle in Deg	0-Deg cd/sm	45-Deg cd/sm	90-Deg cd/sm
45	15197	15025	13190
55	13716	12608	9969
65	11994	9819	7548
75	10080	7364	5902
85	8375	4808	3877



R6-WL-1L35-4
2474 Lumens
28.3 Watts
87.4 LPW
LED ALM 2.0

Test Report: #P22371

Coefficients of Utilization

rc	Effective floor cavity reflectance																						
	20%																						
	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		
RCR	0	119	119	119	116	116	116	116	111	111	111	111	111	106	106	106	106	106	102	102	102	100	
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86	86	86	86	86	
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73	73	73	73	73	
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62	62	62	62	62	
4	85	73	65	59	82	72	64	58	70	63	57	67	61	57	65	60	56	54	54	54	54	54	
5	78	66	57	51	76	65	57	51	63	56	50	61	54	50	59	53	49	47	47	47	47	47	
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41	41	41	41	41	
7	67	54	46	40	66	53	45	40	52	45	39	50	44	39	49	43	39	37	37	37	37	37	
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35	33	33	33	33	33	
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30	30	30	30	30	
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27	27	27	27	27	

Candela

Angle	0-Deg	23-Deg	45-Deg	68-Deg	90-Deg
0	1009	1009	1009	1009	1009
5	1014	1001	1007	1004	1005
10	1000	988	994	991	991
15	975	964	971	968	968
20	942	931	939	934	935
25	897	888	896	890	889
30	841	835	844	833	828
35	775	771	779	758	747
40	702	701	704	666	649
45	622	624	614	564	541
50	539	541	516	458	428
55	454	455	419	355	332
60	371	368	324	270	250
65	293	283	240	199	185
70	218	206	169	141	132
75	151	136	110	93	87
80	92	77	62	53	50
85	42	31	24	20	19
90	0	0	0	0	0

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0-30	779	N.A.	31.5
0-40	1258	N.A.	50.9
0-60	2081	N.A.	84.1
0-90	2474	N.A.	100
40-90	1216	N.A.	49.1
60-90	393	N.A.	15.9
90-180	0	N.A.	0
0-180	2474	N.A.	100

Luminance Data

Angle in Deg	0-Deg cd/sm	45-Deg cd/sm	90-Deg cd/sm
45	11890	11737	10342
55	10699	9874	7824
65	9371	7676	5917
75	7886	5745	4544
85	6514	3722	2947