

**R4504** G8.5 Base, T4.5 Metal Halide  
**R4606** G12 Base, T4.5, T6 Metal Halide  
**R4503** PGJ5 Base, T3.5 Metal Halide

**Open Wall Washer-Downlights**  
 20W to 70W  
 4 1/8" Conoid Apertures

**Optics and Applications**

This generation of wall wash equipment is designed to illuminate walls uniformly while minimizing the potential for glare. Each lamp and base combination has a specific reflector system designed to optimize performance. Kurt Versen has developed a full line of downlights, wall washers, directional and slope products to allow for maximum design flexibility.

**Design Features**

Kurt Versen wall wash optics create wide lateral uniform patterns with light beginning high on the wall. The reflector system is designed to avoid hot spots and redirect output uniformly across the wall. The downlight component provides a soft medium distribution. A steel housing protects and positions all internal components. A frosted glass lamp shield is standard. Ceiling thickness to 1 1/2". Top or bottom service.

**Finish**

Housings and structural parts are painted matte black to suppress light leaks. The shielding cone is specular clear. A variety of special finishes and colors are available.

**Ballasts**

Electronic metal halide ballasts provide constant output. Thermal protection with auto reset, quiet operation and automatic shutdown at end of life. For emergency back-up system contact factory.

**Bases**

Long term product performance is dependant on quality sockets to provide reliable contact to the lamp. Kurt Versen uses sockets with redundant spring systems to retain the lamps.

**General**

Fixtures are pre-wired, thermally protected, UL and C-UL listed for eight wire 75°C branch circuit wiring. All products are union made IBEW. Suitable for damp locations.

**Accessories**

- B Black cone.
- G Gold cone.
- H Mocha cone.
- P Graphite cone.
- T Titanium cone.
- W Wheat cone.
- Y Pewter cone.
- Z Bronze cone.
- S Softglow® finishes: add S before color letters. e.g. SW for Softglow® wheat cone, SC for Softglow® clear cone.
- GU For GU6.5 base, T4 MH lamp.
- EC Emergency circuit, mini-can socket, 75W max.
- AOE1 Ballast 120V, auto-on restrike system, 75W max.
- AOE2 Ballast 277V, auto-on restrike system, 75W max.
- FMR4 For flush mount construction contact factory.
- GG Upper gold reflector.
- R2 26" support rails.
- R5 52" support rails.
- UV UV lens.
- WT White trim flange.
- WHT White complete cone.
- F Fuse.



**Dimensions and Lamps**

Number	A Depth	B Aperture	C Width	D Length	Lamps*
R4504	8 1/8" 206mm	4 1/8" 105mm	13 3/4" 349mm	14 1/8" 359mm	20 to 70W MH T4.5 Lamp, G8.5 Base
R4606	8 1/8" 206mm	4 1/8" 105mm	13 3/4" 349mm	14 1/8" 359mm	20 to 70W MH T4.5, T6 Lamp, G12 Base
R4503	8 1/8" 206mm	4 1/8" 105mm	14 3/8" 365mm	14 1/8" 359mm	22 to 39W MH T3.5 Lamp, PGJ5 Base

\*To specify add watts and volts for proper ballast, e.g. R4504-20277.

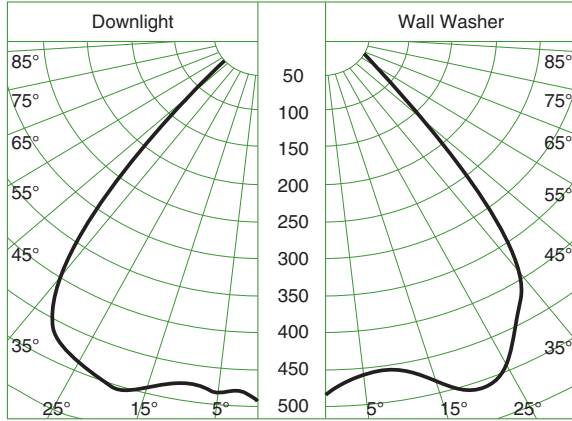
**Matching Units**

- Direct./Slope downlights [Pages R2, R61, R62, R63](#)
- Wall washers [Pages R31, R72](#)
- Downlights [Pages R1, R51, R52, R53](#)

**Brightness Data**

# R71 R4504 R4606 R4503

## Candlepower Distribution Curves



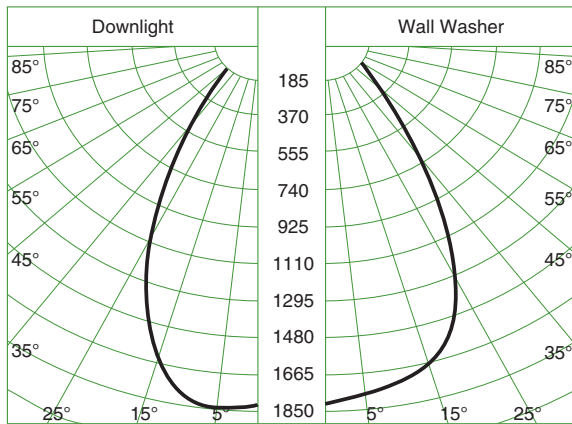
R4504 20W T4.5 G8.5 Clear GE

## Multiple Units Footcandles

From Ceiling	2' from wall				3' from wall				4' from wall			
	2' Centers		3' Centers		3' Centers		4' Centers		4' Centers		6' Centers	
	CL	Mid	CL	Mid	CL	Mid	CL	Mid	CL	Mid	CL	Mid
1'	13	12	10	7	4	4	3	2	1	1	1	1
2'	20	18	16	11	7	6	5	4	3	3	3	2
3'	25	25	18	16	9	8	7	5	4	4	3	2
4'	23	23	15	15	11	11	9	8	5	5	4	3
5'	18	18	12	12	11	11	8	9	6	6	5	3
6'	14	14	9	9	10	10	8	8	6	6	5	4
7'	11	11	7	7	9	9	7	7	6	6	4	4
8'	8	8	6	6	7	7	6	5	6	6	4	4
9'	7	7	5	4	6	6	5	5	5	5	3	3
10'	5	5	4	4	5	5	4	4	5	4	3	3

R4504 20W T4.5 G8.5 Clear GE 39W x .20

39W x .20

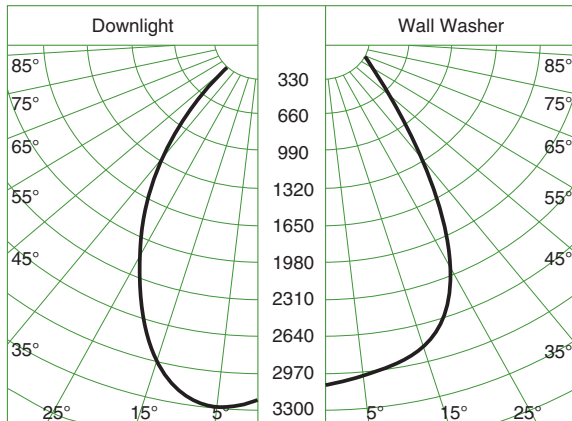


R4606 39W T6 G12 Clear Syl

From Ceiling	2' from wall				3' from wall				4' from wall			
	2' Centers		3' Centers		3' Centers		4' Centers		4' Centers		6' Centers	
	CL	Mid	CL	Mid	CL	Mid	CL	Mid	CL	Mid	CL	Mid
1'	24	24	20	13	7	7	6	4	3	3	2	1
2'	42	42	34	24	13	12	11	8	6	6	5	3
3'	54	54	39	34	19	18	16	11	8	7	6	4
4'	50	50	35	33	23	23	18	16	10	10	8	5
5'	42	42	28	28	24	24	19	18	13	12	10	7
6'	34	34	22	23	23	23	17	17	14	14	10	8
7'	27	27	18	18	20	20	15	15	14	13	9	9
8'	21	21	14	14	18	18	13	13	13	13	9	8
9'	17	17	12	12	15	15	11	11	12	12	8	8
10'	14	14	10	10	13	13	10	10	11	10	7	7

R4606 39W T6 G12 Clear Syl

GE 20W x .40



R4606 70W T6 G12 Clear Syl

From Ceiling	3' from wall				4' from wall				5' from wall			
	3' Centers		4' Centers		4' Centers		6' Centers		5' Centers		7' Centers	
	CL	Mid	CL	Mid	CL	Mid	CL	Mid	CL	Mid	CL	Mid
1'	13	13	11	8	6	5	4	3	2	2	2	2
2'	26	24	21	16	12	11	10	6	6	6	5	4
3'	35	33	29	21	16	14	12	8	9	8	7	5
4'	43	42	34	30	20	19	15	10	11	10	9	6
5'	44	43	33	32	23	23	18	13	13	12	10	7
7'	36	35	27	26	24	24	16	16	16	16	12	11
9'	26	26	20	20	21	21	14	14	16	15	11	11
11'	20	19	15	14	17	16	11	11	14	13	10	9
13'	15	14	11	11	13	13	9	9	12	11	8	8
15'	11	11	8	8	10	10	7	7	10	9	7	7

R4606 70W T6 G12 Clear Syl

## Notes

1. Data are cosine corrected to the plane of the wall. Uncorrected data are much higher and depend upon the angle of incidence to the wall which varies with the mounting distance from the wall.
2. Optional colors are on trims only. Kicker reflectors are clear Alzak for output and color rendition. Use multipliers for brightness and downlight data. Multiple units data are correct as shown.
3. Specular colored cone multipliers: Gold x .97, Wheat x .95, Bronze x .92, Pewter x .89, Graphite x .84, Mocha x .83, Titanium x .82, Black x .81.
4. Softglow® cone multipliers: Clear x .94, Gold x .91, Wheat x .91, Pewter x .89, Bronze x .85, Graphite x .85, Titanium x .83, Black x .82, Mocha x .81.

5. Additional photometry on website.