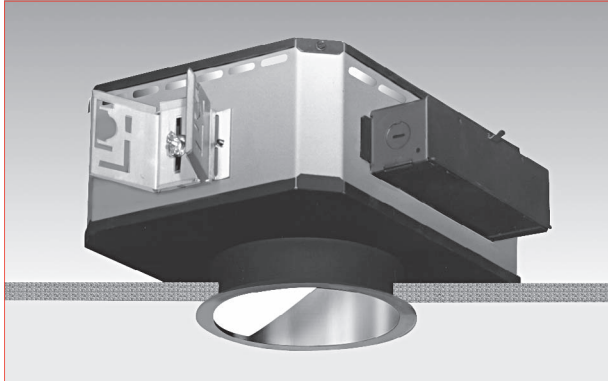
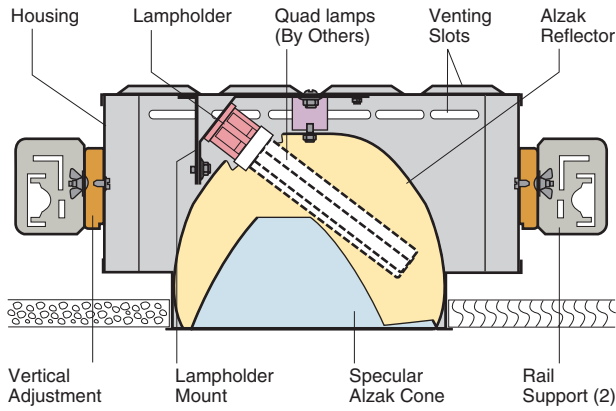


P657

Wall Washer
Two 26W Quad Tube Lamps
7 1/4" Conoid Aperture



Optics and Applications

A full circle kicker reflector directs a uniform wash light to adjacent walls. The pattern is free from spikes, striations or dropouts and features wide lateral distribution. The downlight component has a soft edge to blend with nearby units. Use in low to medium height ceilings.

Design Features

Construction allows easy access to all components. Reflector assembly may be rotated 360° after installation. A steel housing protects the reflectors which are joined to assure predictable performance. Efficient air flow design assures cool fixture temperature for optimal lamp performance. Maximum ceiling thickness 2". Ballast and lamp service from below.

Finish

A specular clear Alzak cone is standard. Optional colors and Softglow® finishes are available. The housing and all structural parts are phosphated for corrosion resistance before being painted optical matte black for control of stray light leaks.


Ballast

Fully electronic, microprocessor controlled with variable starting current for inrush protection to assure rated lamp life. Input voltage range from 120V through 277V. Power factor .98, starting temperature 0°F (-18°C), THD < 10%. Pre-heat start < 1.0 second. End of lamp life protection. Rated for > 50,000 starts.

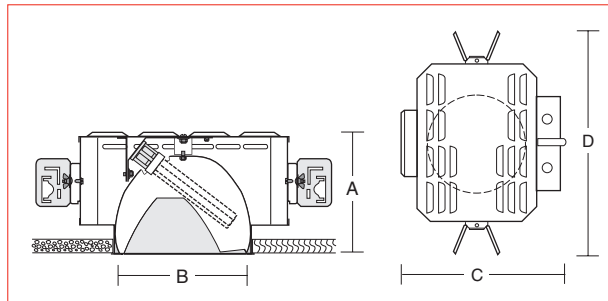
General

Fixtures are pre-wired, UL and C-UL listed for eight wire 75°C branch circuit wiring. Union made IBEW. Luminaire Efficiency Rating (LER) do not apply to wall washers.

Accessories

- 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.
- EM Emergency power includes integral charger light and test switch visible through aperture. Single lamp operation for 90 minutes. Specify volts.
- DM Dimming ballast. Specify watts and volts.
- L  Limited wall wash.
- R2 26" support rails.
- R5 52" support rails.
- WT White trim flange.
- WHT White complete trim.
- DCE Double circuiting.
- V347 347 volt ballast.
- F Fuse.

Dimensions and Lamps



Number	A Depth	B Aperture	C Width	D Length*	Lamps
P657	7 1/2" 191mm	7 1/4" 184mm	13 1/2" 343mm	19" 483mm	Two 26W Quad Tube

For 18W lamps, add W18 to catalog number.
 *Length increases to 24" with EM accessory.

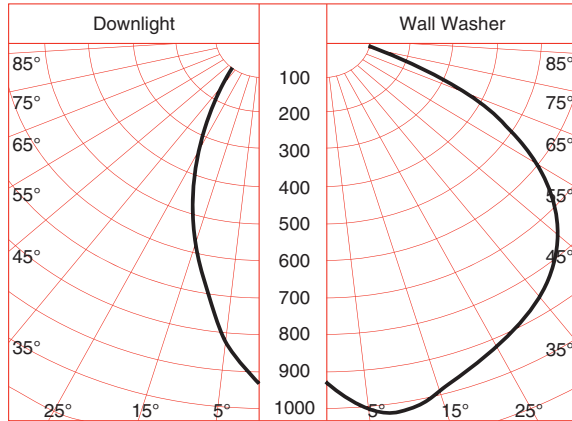
Matching Units

- Downlights [Pages P3, P4](#)
- Cross baffled downlights [Pages P21, P24](#)
- Lens wall washer [Page P32](#)
- Surface cylinders [Page P41](#)

** Click for link to pages in blue.

P31 P657

Candlepower Distribution Curves



P657 Two 26W Quad Tube lamps

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'	82	75	75	41	22	19	20	9	8	7	7	3
2'	98	106	74	65	44	44	39	26	20	20	18	7
3'	75	78	49	52	45	47	35	34	26	27	21	13
4'	52	54	34	36	38	40	28	31	25	28	19	16
5'	37	38	25	25	30	31	23	24	23	25	15	16
6'	27	27	18	18	24	24	18	18	20	20	13	13
7'	21	21	14	14	19	19	14	14	16	17	11	11
8'	16	16	11	11	15	15	11	11	13	14	9	9
9'	13	13	8	8	12	12	9	9	11	11	8	8
10'	10	10	7	7	10	10	8	8	9	9	6	6

P657 Two 26W Quad Tube lamps

Notes

- 1 Data by IES methods. Compact fluorescent data vary due to lamp lumen differences, power input, burning position, ambient temperature and ballast characteristics. A modification factor should be applied.
- 2 Above data measures output of the wall washers only. No contribution from adjacent downlights or ceiling, floor or wall reflectances is included. Total illumination on the wall will increase with the contribution from other sources.
- 3 If colored cones are required, only the downlight cone will be tinted. The kicker reflector is always clear Alzak for maximum output and true color rendition.
- 4 Data is cosine corrected to the plane of the wall. Uncorrected data are substantially higher and depend upon the angle of incidence to the wall which varies with the mounting distance from the wall.
- 5 Kurt Versen wall washers are designed to minimize hard shadow lines at the ceiling. Light intensity increases gradually to the maximum area, just above eye level. The field is uniform, devoid of hot spots, striations and spikes.
- 6 Specular cone multipliers for downlight and brightness data only: Gold x .90, Wheat x .87, Pewter x .81, Mocha x .81, Graphite x .78, Titanium x .78, Bronze x .75.
- 7 Softglow[®] cone multipliers for downlight and brightness data only: Clear x .98, Gold x .90, Wheat x .82, Pewter x .80, Mocha x .79, Graphite x .76, Titanium x .78, Bronze x .72.
- 8 Brightness data from the Average Luminance Method are inaccurate for downlights. They are theoretical calculations for large surfaces such as troffer lenses. We recommend the stricter standard of Maximum Brightness Method point data from direct photometer readings. They approximate what the human eye perceives when evaluating glare. For more information refer to Z section brochure Z1.
- 9 For 18W lamps, multiply all data by .70 or contact the factory for precise data.

Brightness

Number	Lamps	85°	75°	65°	55°	45°
P657	Two 26W Quad Tube	10	14	18	958	2044

Data in footlamberts. Photometer readings, Maximum Brightness Method. See note 8.

