

## DESCRIPTION

Low brightness 6" aperture cross blade for use with (1 or 2) 18W or 26W quad compact fluorescent lamps for below ceiling installation. Reflector trim eliminates brightness at higher angles. Standard features include low iridescent finish on all reflectors. Venting ensures maximum lamp life and lumen output. Open downlight, lens, and open wall wash trims are interchangeable within the same housing.

<b>Catalog #</b>		<b>Type</b>
<b>Project</b>		
<b>Comments</b>		<b>Date</b>
<b>Prepared by</b>		

## SPECIFICATION FEATURES

### Reflector

Clear upper Alzak® reflector for maximum output. Positive reflector mounting, without tools, pulls trim tight to ceiling.

### Louver

Option 5: Lower spun parabolic reflector with 90° cross blades, .050 thick aluminum. Available in a variety of Alzak® finishes. Option 6: Lower spun parabolic reflector painted white with 90° perforated cross blades, .050 thick aluminum, painted gray.

### Socket Connector

One piece die cast aluminum connection allows venting for maximum thermal performance.

### Housing Construction

Galvanized steel plaster ring accommodates up to 1" ceiling thickness.

### Conduit Fittings

Die cast screw tight connectors.

### Rotary Lock Socket

26W lamps: 4-pin G24q3 base.  
18W lamps: 4-pin G24q2 base.  
Bases have fatigue free stainless steel lamp spring ensures positive lamp retention.

### Electronic Ballast

Electronic ballast provides full light output and rated lamp life. Provides flicker free and noise free operation and starting. End of lamp life protection is standard.

### Labels

cULus listed, C.S.A. certified, Damp label IBEW union made.

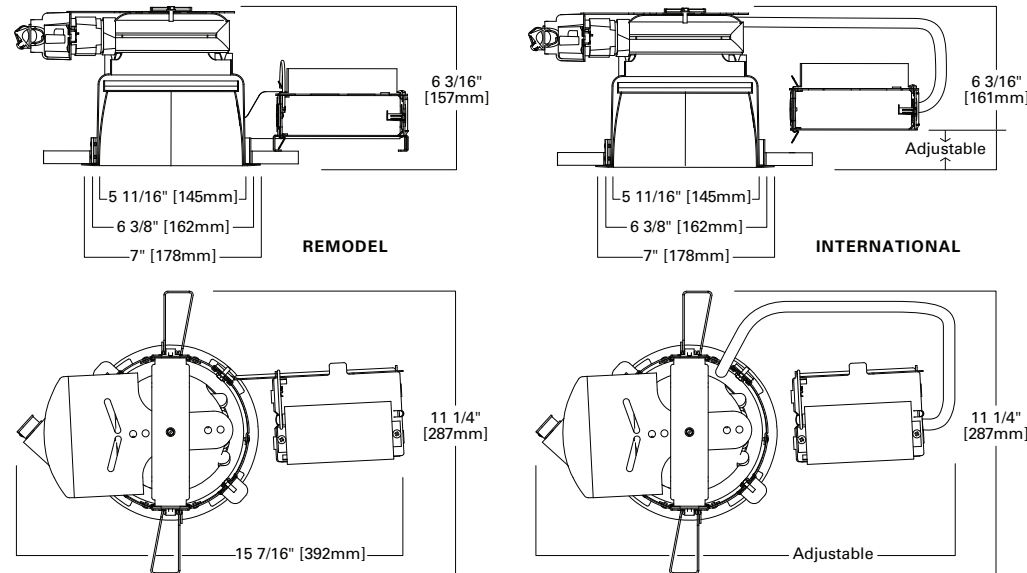


## C6RH C6IH

## 6281

(1 or 2) 18W or 26W DTT  
Compact Fluorescent

6-Inch  
Remodel/International  
Horizontal Crossblade Downlight



Energy Data	
Sound Rating: Class A standards	
<b>(2) 18W Quad 4-pin</b>	
Ballast: Electronic	
Min. Starting Temperature: -10°C (15°F)	
120V Input Watts: 37	Line Amps: 0.32
277V Input Watts: 37	Line Amps: 0.14
Power Factor: >0.99	THD: <10%
<b>(2) 26W Quad 4-pin</b>	
Ballast: Electronic	
Min. Starting Temperature: -10°C (15°F)	
120V Input Watts: 50	Line Amps: 0.45
277V Input Watts: 50	Line Amps: 0.20
Power Factor: >0.99	THD: <10%

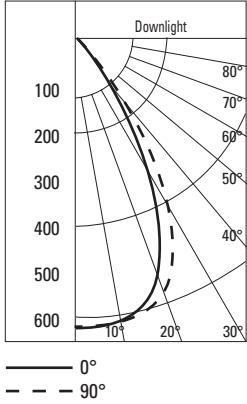
Example:

**C6RH218ECP 6281LI5 WF** = 6" CFL Horizontal Downlight Remodel with Cross Blade, (2) 18 Watt 120/277 Volt, Chicago Plenum, Self Flanged with Specular Clear Finish

Housing	Wattage	Ballast	Options	Reflector	Lens	Finish	Option	Accessories
<b>C6RH</b> = 6" CFL Horizontal Remodel <b>C6IH</b> = 6" CFL Horizontal International	<b>218</b> = (2) 18W DTT <b>226</b> = (2) 26W DTT <b>118</b> = (1) 18W DTT <b>126</b> = (1) 26W DTT	<b>E</b> = 120/277V 50/60 Hz Electronic <b>3E</b> = 347V 50/60 Hz Electronic <b>D</b> = 120-277V Dimming, Lutron EcoSystem	<b>CP</b> = Chicago Plenum <b>EM</b> = Emergency Module with Remote Test Switch <b>IEM</b> = Emergency Module with Integral Test Switch	<b>6281</b> = Downlight Reflector, Self Flanged <b>6281E</b> = Downlight Reflector, Self Flanged, use with IEM	<b>LI</b> = Specular Clear <b>W</b> = Gloss White	<b>5</b> = Blade (LI or W Matching Blade Finish) <b>6</b> = Perforated Blade (Light Grey Blades, W finish only)	<b>WF</b> = White painted flange (self flanged only)	<b>FK5</b> = 5 Amp Field Installable Fuse Kit 300V Max <b>ABR6P</b> = Remodel Adaptor Ring for 7" OD <b>ABR7P</b> = Remodel Adaptor Ring for 8" OD <b>ABR8P</b> = Remodel Adaptor Ring for 9" OD

**PHOTOMETRICS**

**Candlepower Distribution Curve**



Test No. H22293  
 C6RH226 6281P5  
 Lamp = (2) 26W DTT  
 Lumen s= 1800 each  
 Spacing Criteria: 0° = 1.2, 90° = 1.2  
 Efficiency = 20.1%

**Zonal Lumen Summary**

Zone	Lumens	%Fixture
0-30	372 51.4	
0-40	501	69.2
0-60	646	89.2
0-90	724	100.0
90-180	0	0.0
0-180	724	100.0

**Luminance**

Degrees	CD/SQ M	
	0°	90°
45	8560	8973
55	7039	7396
65	6252	6516
75	5607	5823
85	5622	5835

**Candela Distribution**

Degrees Vertical	0°	90°
	0	620
5	603	618
15	473	546
25	300	356
35	168	196
45	98	102
55	65	68
65	43	44
75	23	24
85	8	8
90	0	0

**Cone of Light**

Distance Fixture to Lighted Plane	Initial Footcandles at Nadir	Beam Diameter
4' 6"	31	4' 0"
5' 6"	20	4' 6"
6' 6"	15	5' 6"
8' 0"	10	7' 0"
10' 0"	6	8' 6"
12' 0"	4	10' 0"

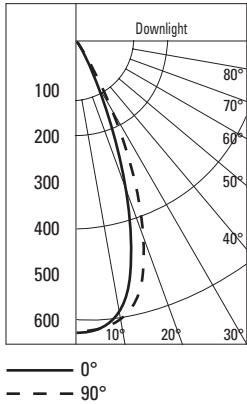
Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.

Footcandle values are initial, apply appropriate light loss factors where necessary.

**Reflector Multiplier:**     **EM Multiplier**  
 Haze = .95                      **(in emergency mode):**  
 Straw = .90                      EM = .26  
 Wheat = .90

**PHOTOMETRICS**

**Candlepower Distribution Curve**



Test No. H22362  
 C6RH226 6281P6  
 Lamp = (2) 26W DTT  
 Lumens = 1800 each  
 Spacing Criteria: 0° = .8, 90° = .8  
 Efficiency = 18.1%

**Zonal Lumen Summary**

Zone	Lumens	%Fixture
0-30	379	58.0
0-40	495	75.8
0-60	602	92.2
0-90	653	100.0
90-180	0	0.0
0-180	653	100.0

**Luminance**

Degrees	CD/SQ M	
	0°	90°
45	6353	6379
55	4639	4608
65	3896	3953
75	3089	3250
85	2807	3354

**Candela Distribution**

Degrees Vertical	0°	90°
	0	661
5	646	658
15	529	552
25	334	335
35	170	167
45	75	76
55	45	44
65	28	28
75	13	14
85	4	5
90	0	0

**Cone of Light**

Distance Fixture to Lighted Plane	Initial Footcandles at Nadir	Beam Diameter
4' 6"	33	3' 6"
5' 6"	22	4' 6"
6' 6"	16	5' 6"
8' 0"	10	6' 6"
10' 0"	7	8' 0"
12' 0"	5	9' 6"

Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.

Footcandle values are initial, apply appropriate light loss factors where necessary.

**Reflector Multiplier:**     **EM Multiplier**  
 Haze = .95                      **(in emergency mode):**  
 Straw = .90                      EM = .18  
 Wheat = .90