

DESCRIPTION

Low brightness 6" aperture reflector for use with (1 or 2) 18W or 26W quad compact fluorescent lamps for below ceiling installation. The deeply regressed lens provides superb shielding in comparison to shallow lenses. Reflector trim eliminates brightness at higher angles. Choice of lens types for various aesthetics. 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.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Reflector

Clear upper Alzak® reflector for maximum light output. Positive reflector mounting, without tools, pulls trim tight to ceiling. Lower spun parabolic reflector, .050 thick aluminum. Available in a variety of Alzak® finishes. Also available with white or black baffle.

Lens

Choice of molded prismatic acrylic, opal diffuser, clear UV stabilized polycarbonate prismatic glass, diffuse glass, clear glass or fresnel glass lens. Lens is fixed to lower reflector.

Trim Ring Options

Self flanged or molded white trim ring.

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

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

Electronic Ballast

Electronic ballast provides full light output and rated lamp life. Provides flicker free and noise free operation and starting.

Labels

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



C6RH C6IH

6280/6281

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

6-Inch
Remodel/International
Horizontal Lensed Downlight

Energy Data

Sound Rating: Class A standards

(2) 18W Quad 4-pin

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%

(2) 26W Quad 4-pin

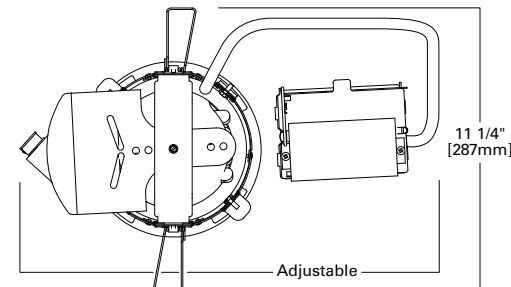
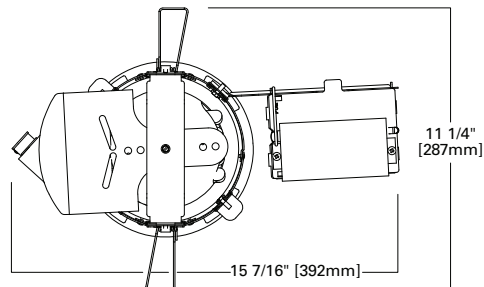
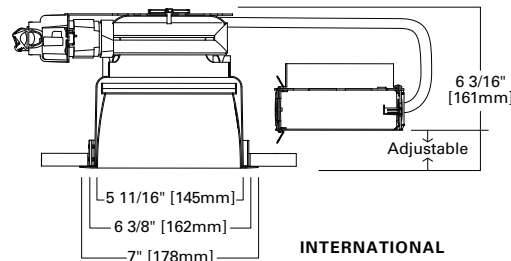
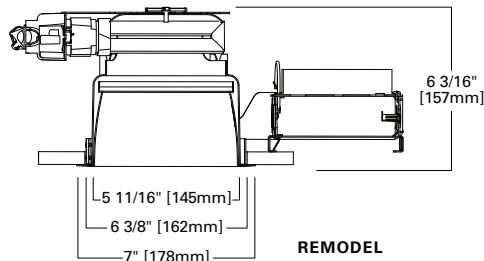
Ballast: Electronic

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:

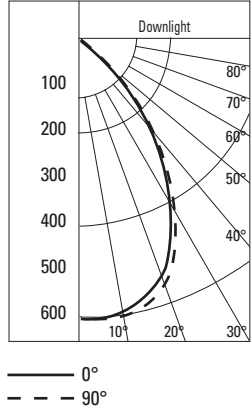
C6RH218ECP 6281LI WF = 6" CFL Lensed Horizontal Remodel Downlight, (2) 18 Watt 120/277 Volt, Chicago Plenum, Self Flanged with Specular Clear Finish

Housing	Wattage	Ballast	Options	Reflector	Lens	Finish	Option	Accessories
C6RH = 6" CFL Horizontal 218 = (2) 18W DTT Remodel 226 = (2) 26W DTT Remodel C6IH = 6" CFL Horizontal International 118 = (1) 18W DTT 126 = (1) 26W DTT	E = 120/277V 50/60 Hz Electronic 3E = 347V 50/60 Hz Electronic D = 120-277V Dimming, Lutron EcoSystem	CP = Chicago Plenum EM = Emergency Module with Remote Test Switch IEM = Emergency Module with Integral Test Switch	6281 = Downlight Lensed Reflector, Self Flanged 6280 = Downlight Lensed Reflector, Polymer Trim Ring 6281E = Downlight Lensed Reflector, Self Flanged, use with IEM 6280E = Downlight Lensed Reflector, Polymer Trim Ring, use with IEM	LI = Specular Clear H = Semi-Specular Clear WMH = Warm Haze G = Specular Gold WH = Wheat WHH = Wheat Haze GP = Graphite GPH = Graphite Haze CC = Chocolate CCH = Chocolate Haze K = Cognac KH = Cognac Haze B = Specular Black W = Gloss White BB = Black Baffle (6280 only) WB = White Baffle (6280 only)	1 = Prismatic Lens 2 = Diffuse Lens 3 = Clear Lens 1G = Prismatic Glass 2G = Diffuse Glass 3G = Clear Glass 4G = Fresnel Glass	WF = White painted flange (self flanged only)	TRM6 = Metal Trim Ring, Specify Finish! TRR6 = Rimless Trim Ring! FK5 = 5 Amp Field Installable Fuse Kit 300V Max DT6 = Deco trim! DT6 = Deco trim! ABR6P = Remodel Adaptor Ring for 7" OD ABR7P = Remodel Adaptor Ring for 8" OD ABR8P = Remodel Adaptor Ring for 9" OD	

Notes: 1 Order trim with polymer trim ring (Consult specification sheet for ordering information and options).

PHOTOMETRICS

Candlepower Distribution Curve



Test No. H22269
 C6RH218 6281LI1
 Lamp = (2) 18W DTT
 Lumens = 1200 each
 Spacing Criteria: 0° = 1.0, 90° = 1.1
 Efficiency = 32.6%

Cone of Light

Distance Fixture to Lighted Plane	Initial Footcandles at Nadir	Beam Diameter
4'6"	29	4'6"
5'6"	19	5'6"
6'6"	14	6'6"
8'0"	9	8'0"
10'0"	6	10'0"
12'0"	4	12'0"

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	414	53.0
0-40	589	75.4
0-60	749	95.9
0-90	781	100.0
90-180	0	0.0
0-180	781	100.0

Luminance

Degrees	CD/SQ M	
	0°	90°
45	11004	12371
55	6501	6827
65	4146	2847
75	410	434
85	0	358

Candela Distribution

Degrees Vertical	0° 90°	
	0	582
5	578	584
15	540	568
25	416	465
35	254	305
45	125	140
55	60	63
65	28	19
75	2	2
85	0	1
90	0	0

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

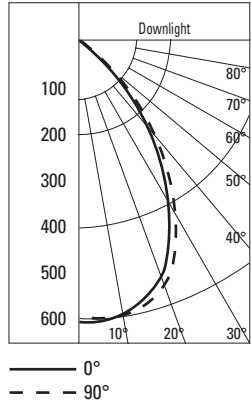
Footcandle values are initial, apply appropriate light loss factors where necessary.

Reflector Multiplier: Haze = .95
 Straw = .90
 Wheat = .90

EM Multiplier (in emergency mode): EM = .27

PHOTOMETRICS

Candlepower Distribution Curve



Test No. H22272
 C6RH226 6281LI
 Lamp = (2) 26W DTT
 Lumens = 1800 each
 Spacing Criteria: 0° = 1.0, 90° = 1.1
 Efficiency = 30.6%

Cone of Light

Distance Fixture to Lighted Plane	Initial Footcandles at Nadir	Beam Diameter
5'6"	27	5'6"
6'6"	19	6'6"
8'0"	13	8'0"
10'0"	8	10'0"
12'0"	6	12'0"
14'0"	4	14'6"

Zonal Lumen Summary

Zone	Lumens	%Fixture
0-30	582	52.3
0-40	830	75.4
0-60	1056	95.9
0-90	1102	100.0
90-180	0	0.0
0-180	1102	100.0

Luminance

Degrees	CD/SQ M	
	0°	90°
45	15748	17415
55	9120	9794
65	4131	5532
75	602	578
85	501	501

Candela Distribution

Degrees Vertical	0° 90°	
	0	811
5	812	814
15	764	792
25	596	648
35	371	423
45	179	198
55	84	90
65	28	38
75	3	2
85	1	1
90	0	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: Haze = .95
 Straw = .90
 Wheat = .90

EM Multiplier (in emergency mode): EM = .27