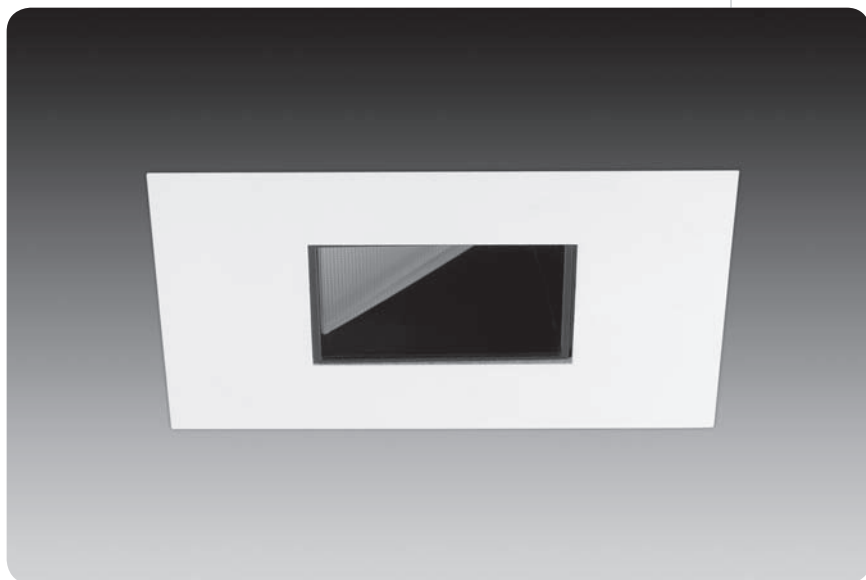


wall wash
id®



Patent Pending

features

Wall Wash offers a parabolic 50 degree cut-off reflector.

Trims available in Overlap flange or Flush mud-in for a seamless appearance.

Gloves Off™ hot aiming made simple with gear drive for both 10° vertical and 363° horizontal adjustment; Self locking.

Perfect Fit™ installation process provides seamless integration in plaster, drywall and acoustical tiles, while maintaining optics in any ceiling thickness.

Adjustment mechanism provides for:

- easy relamping
- locking of both vertical and horizontal aiming
- lowers for easy lamp and lens access.

Smart Lock™ ring allows quick removal and re-assembly of trim components for field painting.

Standard white finish is field paintable.

Interchangeable lamp and trim mechanisms allow for maximum flexibility, even after luminaire is installed.

reflector options

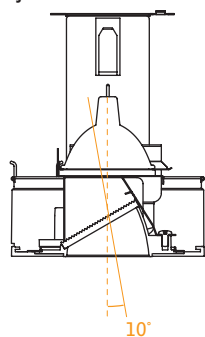


lens accessories

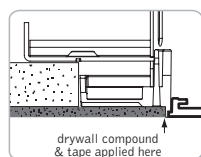
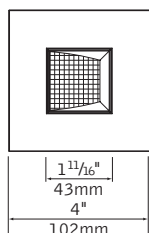


trim assembly

trim with adjustment mechanism

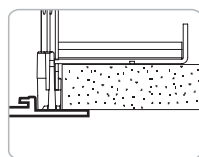
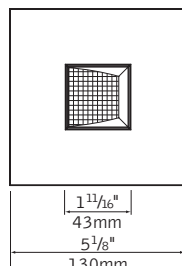


flush trim (drywall only)



ceiling cutout dimensions:
6 3/16"

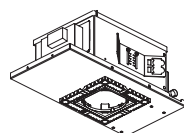
overlap trim



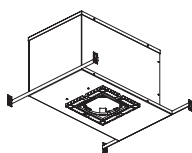
ceiling cutout dimensions:
4 11/16"

housing types

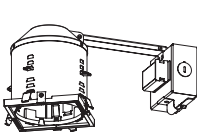
T
14" x 7.625" x 5"h



IC (air-tight)
16.5" x 10" x 9"h



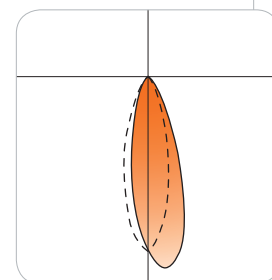
RT
12.08" x 6.32" x 5.58"h



overlap faceplate only

performance

Wall Wash Black Specular
Q71MR16/C/NFL25
1369 cd @ 0° (0° tilt)



Visit focalpointlights.com for complete photometric data.

July 2009

fixture:

project:

housing specifications

lamp

Halogen MR16 lamp provides numerous beam options from 10° to 60°.

construction

(T)Thermally protected housing for new construction applications without direct contact with insulation. Insulation to be kept 3" away from housing. Unit is enclosed in 20ga. black painted CRS housing, which eliminates stray light into the plenum, on a 20ga. CRS frame. Housing ships standard with butterfly brackets which mount to ½ emt or channel and vertically adjust 2". Bar hangers are an option and must be specified when ordering T-rated housing. Transformer is accessible from below ceiling. Unit maybe relamped from above. Fixture will not exceed 7.5lbs.

(IC) Insulated ceiling housing for new construction applications with direct insulation contact. Unit is constructed of double wall 18ga. aluminum housing on a 20ga. CRS frame. Housing ships standard with locking bar hangers. Transformers and thermal protectors are accessible from below ceiling. Housing is gasketed and complies with ASTM E-283, air-tight energy codes. Fixture will not exceed 11lbs.

(RT)Remodel, thermally protected housing for remodel construction applications without direct contact with insulation. Insulation to be kept 3" away from housing. Unit is 20ga. black painted CRS with contoured top and hinging J-box arm. Housing locks into finished ceiling via 4 removable spring clips. J-box and transformers are accessible by removing housing from ceiling. Fixture will not exceed 4.5lbs.

electrical

Porcelain bi-pin socket with #18 Teflon leads with keyed quick connection. Acoustically isolated transformer, replaceable from below, mounted outside of housing to ensure cool operation and minimize hum. Transformers available in either electronic or magnetic 120V or 277V. For residential dimming applications, toroidal magnetic transformer is available. Large junction box with pryouts. UL listed for thru branch wiring, four #12 90°C conductors for T housing and two #14 90°C conductors for RT and IC housing.

installation

Adjustable throat allows infinite adjustment for ½" to 1½" thick ceilings. Shipped in ½" ceiling position. For thicker ceilings consult factory.

Ceiling thickness adjustment sleeve locks with supplied ⅝" hex driver. Sleeve allows fine tuning of the housing for a perfect fit. Square housing allows 45° rotation to square up the edges of the trim with the architecture and adjacent trims. With laser/string alignment guides.

Housing ships with dust cover.

trim specifications

aesthetics

Parabolic reflector cones ensure glare free optics. Reflector is die-cast aluminum for sharp corners. CD is a painted finish.

Specular kicker reflector and patterned glass provide smooth illumination down the wall.

Matte white finish may be used as a primer coat for field painting. Smart Lock™ ring allows disassembly for custom field painting.

adjustment mechanism

Auto Memory for relamping, lamp returns to preset aiming position.

Mechanism is matte black finish and holds lamp and lenses independently.

Hot aiming with Phillips screwdriver allows for 10° vertical tilt, and 363° rotation and locks into position. Mechanism pulls down for quick and easy relamping.

Vertical angle and horizontal rotation indicators display positioning.

Tempered soft focus lens supplied as standard.

Lens tray can hold up to three accessories, up to ⅝" thick. Lenses remain undisturbed during relamping.

optics

50° cutoff to the lamp and the lamp image.

Specular kicker and patterned glass lens with diffuse finish.

construction

Trim stays captive to housing during relamping via torsion springs.

Torsion springs pull trim tight to the ceiling and install in 90° increments.

No visible fasteners within the trim.

Mechanical light traps eliminate light leaks.

Warp free die-cast aluminum faceplate, .040" thick flange on overlap versions.

Wall Wash optics rotate for alignment to walls and lock in position.

labels

UL listed, Wet label standard.

No visible labels until trim and mechanism plates are pulled down for relamping.

housing ordering

housing series		FD4
Halogen Housing	FD4	
lamp		MR
MR16 Lamp	MR	
transformer type		
Electronic Dimming 120V, 11.7V	E1	
Electronic Dimming 277V, 11.7V	E2	
Magnetic Dimming 120V, 11.7V (T housing only)	M1	
Magnetic Dimming 277V, 11.7V (T housing only)	M2	
Toroidal Dimming 120V (IC & RT housings only)	M1T	
faceplate type		
Square Flush (T & IC housings only)	SF	
Square Overlap	SO	
housing type		
New Construction T Rated (71W max)	T	
New Construction IC Rated (50W max)	IC	
Remodel T Rated (50W max, overlap faceplate only)	RT	
factory options		
Bar Hangers (T housing only)	BH	
Wattage Restriction Label (XX=wattage)	WRXX	
Chicago Plenum (T housing only)	CP	

trim ordering

trim aperture		D2
1½" Aperture	D2	
faceplate type		
Square Flush (T & IC housing only) (drywall only)	SF	
Square Overlap	SO	
optic		WW
Wall Wash	WW	
color		
Clear Specular	CS	
Clear Diffuse	CD	
Black Specular	BS	
faceplate finish		
White	WH	
Black	BK	
Titanium Silver	TS	
Aluminum Raw	AL	
lens accessories (soft focus lens supplied as standard)		
Hex Louver	HL	
Linear Spread Lens	LSL	
Prismatic Spread Lens	PSL	
Sand Blasted Lens	SBL	
Clear Lens	CL	
UV Lens	UVL	

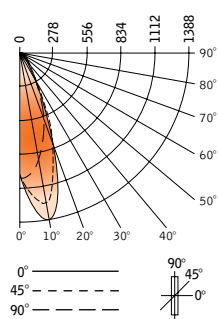
a complete unit consists of two line items, housing and trim
example: FD4-MR-E1-SF-T
D2-SF-WW-CD-WH

sqr wall wash
id®



Luminaire: 71W MR16 downlight, narrow flood distribution with soft focus lens
Filename: D2SXWWCS71NF25_0.ies
Catalog #: D2-SX-WW-CS-WH
Efficiency: 50%
Photometric Report #: 13640.0

CANDLEPOWER DISTRIBUTION

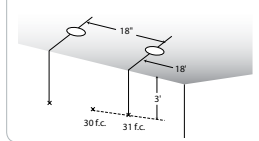


Vertical Angle	0°	22.5°	45°	67.5°	90°	Zonal Lumens
0°	1073	1073	1073	1073	1073	
5°	1388	1360	1263	1165	1037	101
15°	1230	1203	1097	969	764	221
25°	370	447	468	454	354	150
35°	101	96	105	128	110	53
45°	45	40	30	32	33	22
55°	21	20	14	17	13	13
65°	12	12	9	7	4	7
75°	5	5	5	2	0	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

FOOTCANDLE VALUES - units 24" from the wall

distance from ceiling	18"	24"	30"	36"
1'	4	4	4	3
2'	7	7	7	6
3'	10	9	10	8
4'	14	15	14	11
5'	18	18	18	14
6'	17	18	17	14
7'	15	16	15	13
8'	13	13	13	11
9'	10	11	10	9
10'	8	8	8	7

footcandle values - example



FOOTCANDLE VALUES - units 18" from the wall

distance from ceiling	18"	24"	30"	36"
1'	7	6	7	6
2'	12	12	12	10
3'	19	19	19	15
4'	25	26	25	19
5'	23	24	23	18
6'	19	19	19	15
7'	15	15	15	12
8'	11	11	11	9
9'	9	9	9	7
10'	7	7	7	6

FOOTCANDLE VALUES - units 30" from the wall

distance from ceiling	18"	24"	30"	36"
1'	3	3	3	2
2'	4	4	4	3
3'	6	6	6	5
4'	8	8	8	6
5'	10	11	10	9
6'	13	14	13	10
7'	13	14	13	11
8'	12	13	12	10
9'	11	11	11	9
10'	9	9	9	8

Footcandle results based on AGI32; off the shelf lamp in fixture, with microprismatic lens; Reflectances=0/0/0; LLF=1

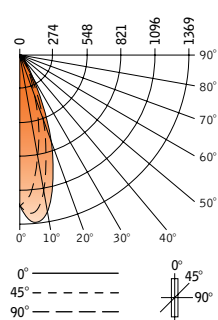
Go to www.focalpointlights.com for additional photometric data.

sqr wall wash
id®



Luminaire: 71W MR16 downlight, narrow flood distribution with microprismatic lens
Filename: D2SXWWBSHA71NF25_0.ies
Catalog #: D2-SX-WW-BS-WH
Efficiency: 41%
Photometric Report #: 13573.0

CANDLEPOWER DISTRIBUTION

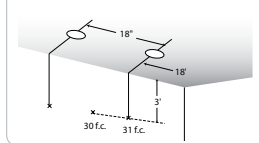


Vertical Angle	0°	22.5°	45°	67.5°	90°	Zonal Lumens
0°	1242	1242	1242	1242	1242	
5°	1369	1326	1289	1206	1111	108
15°	1023	940	823	698	599	181
25°	372	329	301	245	198	103
35°	124	105	96	85	73	47
45°	55	44	36	33	29	22
55°	18	15	14	12	8	7
65°	6	5	4	1	0	2
75°	2	1	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

FOOTCANDLE VALUES - units 24" from the wall

distance from ceiling	18"	24"	30"	36"
1'	2	2	2	1
2'	8	7	8	6
3'	11	10	11	9
4'	13	13	13	11
5'	14	14	14	11
6'	13	13	13	11
7'	11	12	11	9
8'	10	10	10	8
9'	8	8	8	7
10'	7	7	7	6

footcandle values - example



FOOTCANDLE VALUES - units 18" from the wall

distance from ceiling	18"	24"	30"	36"
1'	5	4	5	4
2'	14	13	14	12
3'	19	17	19	16
4'	20	19	20	16
5'	18	17	18	14
6'	14	14	14	11
7'	11	11	11	9
8'	9	9	9	7
9'	7	7	7	6
10'	5	6	5	5

FOOTCANDLE VALUES - units 30" from the wall

distance from ceiling	18"	24"	30"	36"
1'	1	1	1	1
2'	4	4	4	3
3'	7	7	7	5
4'	9	8	9	7
5'	10	10	10	8
6'	10	10	10	8
7'	10	10	10	8
8'	9	9	9	8
9'	8	8	8	7
10'	7	7	7	6

Footcandle results based on AGI32; off the shelf lamp in fixture, with microprismatic lens; Reflectances=0/0/0; LLF=1

Go to www.focalpointlights.com for additional photometric data.