

Specification grade 71 watt MR16 pinhole fixture. Adjustment mechanism features hot aiming capabilities, aiming marks and tooless locking. Pinhole minimizes aperture appearance, and reflector provides 50° cutoff to lamp and lamp image. For use with all halogen MR16 lamp varieties. Units small size is ideal for tight construction areas. Insulation must be kept 3" away from sides and top of fixture. **Optical element can be changed after installation to provide a variety of distributions. e.g. into a downlight** 

# SPECIFICATION FEATURES

### **A** ··· Reflector

.040 thick aluminum spun parabolic interior reflector in Black Alzak<sup>®</sup> finish. Die-cast 1.25" occulus with knife edge produces dark aperture. Occulus with either flat black or white finish.

## B····Flange

Die-cast flange with matte white, polished or satin aluminum or clear coat finish. Die-cast flanges are easily removed for field painting. Elements are keyed for proper insertion.

## C ··· Adjustability

Removable lamp adjustment mechanism provides up to 45° tilt and 361° rotation and locks into any aiming position. Unit is relamped without unlocking adjustments. Translating centerbeam optics maximize light output.

## D····Lens

Soft focus lens standard in platform for smooth beam patterns. Pinhole element includes a clear lens to allow maximum output if desired. Up to two filter media can be used which are retained during relamping.

## E····Attachment

Positive torsion springs pull flange tight to ceiling. Mechanical light trap eliminates spill light at edge of flange or reflector.

### F····Socket

GX5.3 base for Bi-pin MR16 lamps. Back light shield keeps interior of fixture dark.

### $\bm{G}\cdots \bm{Transformer}$

Truvolt<sup>\*</sup> toroidal transformer with dual-output taps for proper 12.0V operation and quiet operation when dimming. Dimmer tap compensates for inherent voltage loss from dimmers, resulting in 30% more lumens than traditional laminated transformers. Toroidal design, with 90% or greater efficiency, features a rolled one-piece continuous core of M3 grade grain oriented silicon steel complete with



an integral thermal to protect against overheating. For dimming, use dimmers rated for electromagnetic transformers. **Transformer is warranted for 5 years and is serviceable from below ceiling.** 

Note: If a dimming system is operated for construction lighting in its "shunt" mode, i.e. bypassing the dimmer modules, for an extended period of time, fixtures with the dual-tap toroidal transformer should be operated on the "Switched Fixture" output until the dimmers are in use. Operating fixtures on the "Dimmed Fixture" output with a full 120v input for an extended period will overdrive the lamp and cause shortened lamp life.

#### H....Frame/Housing

Hot dipped galvanized 20 gauge steel frame with built in 1/2 inch plaster lip. Gunsights allow for consistent alignment. Matte black housing interior.

### I...Junction Box

18 cubic inches, listed for 4#12 AWG or 6#14 AWG 90° C additional feed through conductors, has three 1/2 inch pryouts.

#### J....Bar Hangers

No Flex<sup>®</sup> bar hangers with positive locking, for use with wood, engineered wood and steel frame joists spaced up to 24" O.C. ship with platform. For use in T-bar ceilings order accessory MBCLP clips. Nailess barb and locator lip provide consistent installation height.

#### K ···· Codes

Unit is airtight and exchanges less than 2.0 CFM with the plenum at a pressure of 75 pascals. Insulation must be kept three inches away from fixture sides and none on top as to entrap heat.

L ··· Labels

UL and cUL listed, standard damp label, IBEW union made.





Input Operating

Current

19

.34

.35

.39

.48

.58

.64

.68

Watts

23

41

42

47

57

70

77

81

		0° Aiming Angle				30° Aiming Angle					30° Aiming Angle					45° Aiming Angle					
Lamp	cd/m∸ @ Maximum Tilt			Horizontal Footcandles				Horizontal Footcandles				Vertical Footcandles					Vertical Footcandles				
OS Q65 MR16Q/10/NSP/B	Degree @	180°	@ 90°	D	FC	L	w	D	FC	L	W	СВ	D	FC	L	W	СВ	<u>D</u>	FC L	W	СВ
Lumens: 1100	85°	0	0	6'	89	1.4	1.4	6'	51	1.6	1.7	3.5		99	1.3	0.8	3.5	2' 2	09 0.6	0.7	2
Beam Spread: 10°	75°	0	0	8'	50	1.9	1.9	8'	28	2.1	2.3	4.6		44	1.9	1.3	5.2	3' 9	<u>93 1</u>	1	3
CBCP: 14,000	<u>65°</u> 55°	0		12'6"	32	2.4	2.4	12'6"	18	2.0	2.9	5.8 7.2	-4	25	2.5	2.1	8.7	4 : 5' '	<u>32 1.3</u> 33 1.6	1.3	<u>4</u> 5
	45°	0	0	Test # 1	121270	5.0	0.0	Test # H	121275	0.0	0.0	1.2	Test #	H21275	0.2	2.1	0.7	Test # F	121276		
GE Q50 MR16/C/NSP15	Degree @	0 <u>180°</u>	<u>@ 90°</u>	 	FC 154	L 13	 1 3	<u> </u>	FC 82	L 17	 1 7	<u>CB</u>	<u> </u>	FC 171	L 1 /	 	<u>CB</u>	2' 3	<u>-C L</u>		<u></u>
Lumens: 750	75°	0	0	8'	87	1.8	1.8	- 8'	46	2.3	2.3	4.6	3'	76	2.1	1.4	5.2	3' 1	53 1.2		3
Beam Spread: 15°	65°	0	0	10'	56	2.2	2.2	10'	30	2.8	2.8	5.8	4'	43	2.8	1.8	6.9	4' 8	36 1.6	1.3	4
CBCP: 9,500	55°	0	0	12'6	" 36	2.8	2.8	12'6	" 19	3.5	3.5	7.2	5'	27	3.5	2.3	8.7	5' !	55 2	1.7	5
	45°	Test # H21242				Test # H21247				Test # H21247				Test # H21248							
OS 065 MR160/FI 40	Dearee @	。 )180°	@ 90°	D	FC	L	w	D	FC	L	w	СВ	D	FC	L	w	СВ	DI	FC L	w	СВ
1100/1240	85°	0	0	6'	51	2.4	3.0	6'	31	3.1	3.0	3.5	2'	65	2.1	1.5	3.5	2'1	28 1.3	1.2	2
Lumens: 1100	75°	0	0	8'	29	3.2	4.0	8'	18	4.2	4.0	4.6	3'	29	3.1	2.3	5.2	3' !	57 2	1.8	3
CRCP: 2 100	65°	0	0	10'	18	4.0	5.0	10'	11	5.2	5.0	5.8	4'	16	4.1	3.1	6.9	4' :	32 2.7	2.4	4
0001.2,100	<u>55°</u>	0	0	12'6	" 12	5.0	6.3	<u>12'6</u>	7.0	6.5	6.2	7.2	<u>5'</u>	10	5.2	3.8	8.7	5' 2	21 3.3	3.0	5
	45° Test # H2126	7	0	Test # 1	721202			Test # H21266				iest # ⊓∠1200					16ST # H21267				
GE Q50 MR16/C/NFL25	Degree	۵08 🧕	@ 90°	D	FC	L	W	D	FC	L	w	СВ	D	FC	L	w	СВ	DI	FC L	W	СВ
Lumens: 884	85°	0	0	6'	73	1.8	2.4		38	2.6	2.3	3.5		78	2.1	1.3	3.5	2' 1	48 1.1	1	2
Beam Spread: 25°	75°	0	0	10'	26	2.4	3.2	10'	1/	3.4	3.1	4.6 5.8	- 3'	35	3.2	1.9	<u>5.2</u>	<u>3' (</u>	<u>37 23</u>	1.5	
CBCP: 3,000	<u>00°</u> 55°	0	0	12' 6	<u></u> " 17	3.8	5.0	12' 6	"9.0	5.4	4.9	7.2		13	5.3	3.2	8.7	5' 2	<u>24</u> 2.8	2.4	<del>_</del>
	45°	0	0	Test # I	121188			Test # H	121197				Test #	H21197				Test # H	121196		
	Test # H2119	6																			
GE Q50 MR16/C/FL40	Degree (	<u>v 180°</u>	<u>@ 90°</u>	<u></u>	38	L 3.2	25	<u> </u>	22	L 3.1	3.0	3.5	2'	75	2.0	14	3.5	2' 1	01 1 6	 1_3	<u></u> 2
Lumens: 800	75°	0	0	8'	21	4.2	3.4	- 8'	13	4.1	4.0	4.6	3'	33	3.0	2.1	5.2	3' 4	45 2.4	1.9	3
Beam Spread: 40°	65°	0	0	10'	14	5.3	4.2	10'	8	5.2	5.1	5.8	4'	19	4.1	2.8	6.9	4' 2	25 3.2	2.6	4
CBCP: 1,700	55°	0	0	12'6"	9	6.6	5.3	12'6"	5	6.5	6.3	7.2	5'	12	5.1	3.5	8.7	5'	16 4	3.2	5
	45°	0	1997	Test # H21206			Test # H21205				Test # H21205				Test # H21204						
Q45 MR16/IRC/SP8	Degree (	) 180°	@ 90°	D	FC	L	w	D	FC	L	w	СВ	D	FC	L	w	СВ	D	FC L	w	СВ
Lumens: 1030	85°	0	15719	6'	171	1.0	1.0	6'	79	1.5	1.5	3.5	2'	159	1.3	0.8	3.5	2'3	24 0.7	0.6	2
Beam Spread: 8°	75°	0	5293	8'	96	1.4	1.4	8'	45	2.1	2.0	4.6		70	2.0	1.2	5.2	3' 1	44 1.1	1.0	3
CBCP: 16,000	65°	0	3242	10'	62	1./	1.7	10'	29	2.6	2.5	5.8	<u>4'</u> 5'	40	2.6	1.6	6.9	<u>4' 8</u>	$\frac{31}{52}$ 1.4	1.3	<u>4</u> 5
	<u>55°</u> 45°	0	2389	Test # 1	421224	2.3	2.3	Test # H	10	3.2	3.1	1.2	 Test #	Z0 H21225	3.3	2.0	0.7	Test # F	121226	1.0	
	Test # H2122	6							st # n21225					163( # 1121223							
GE Q42 MR16/C/VNSP9	Degree	) 180°	<u>@ 90°</u>	D	FC		\A/	_								w	CD			w	<u>CB</u>
	0 - 0	~	•		100	L		<u>D</u>	FC	L	<u>W</u>	CB		FC					FC L	~ ~	2
Lumens: 575	85° 75°	0	0	6' 8'	123	0.8	1.2	D 6' 8'	FC 64 36	L 1.3	W 1.3	CB 3.5	D 2' 3'	FC 121 54	1.1	0.8	3.5 5.2	<u>2'2</u> 3'1	FC L	0.6	3
Lumens: 575 Beam Spread: 9°	<u>85°</u> 75° 65°	0 0 0	0 0 0	6' 8' 10'	123 69 44	0.8 1.0 1.3	1.2 1.6 2.0	D 6' 8' 10'	FC 64 36 23	L 1.3 1.7 2.1	W 1.3 1.7 2.1	CB 3.5 4.6 5.8	D 2' 3' 4'	FC 121 54 30	1.1 1.6 2.2	0.8 1.1 1.5	3.5 5.2 6.9	<u>2'2</u> <u>3'1</u> <u>4'6</u>	FC L 46 0.6 09 0.9 31 1.2	0.6 0.9 1.2	3
Lumens: 575 Beam Spread: 9° CBCP: 12,500	85° 75° 65° 55°	0 0 0 0	0 0 0 0	6' 8' 10' 12'6"	123 69 44 28	0.8 1.0 1.3 1.6	1.2 1.6 2.0 2.5	D 6' 8' 10' 12'6"	FC 64 36 23 15	L 1.3 1.7 2.1 2.6	W 1.3 1.7 2.1 2.7	CB 3.5 4.6 5.8 7.2	D 2' 3' 4' 5'	FC 121 54 30 19	1.1 1.6 2.2 2.7	0.8 1.1 1.5 1.9	3.5 5.2 6.9 8.7	2' 2 3' 1 4' 6 5' 3	FC         L           246         0.6           09         0.9           31         1.2           39         1.5	0.6 0.9 1.2 1.5	3 4 5
Lumens: 575 Beam Spread: 9° CBCP: 12,500	85° 75° 65° 55° 45°	0 0 0 0	0 0 0 0 0	6' 8' 10' 12'6" Test # I	123 69 44 28 H21207	0.8 1.0 1.3 1.6	1.2 1.6 2.0 2.5	D 6' 8' 10' 12'6" Test # H	FC 64 36 23 15 121208	L 1.3 1.7 2.1 2.6	W 1.3 1.7 2.1 2.7	CB 3.5 4.6 5.8 7.2	D 2' 3' 4' 5' Test #	FC 121 54 30 19 H21208	1.1 1.6 2.2 2.7	0.8 1.1 1.5 1.9	3.5 5.2 6.9 8.7	2' 2 3' 1 4' ( 5' 3 Test # H	FC         L           246         0.6           09         0.9           31         1.2           39         1.5           121209	0.6 0.9 1.2 1.5	3 4 5
Lumens: 575 Beam Spread: 9° CBCP: 12,500	85° 75° 65° 55° 45° Test # H2120 Degree @	0 0 0 0 9 0 180°	0 0 0 0 0	6' 8' 10' 12'6" Test # I	123 69 44 28 121207	L 0.8 1.0 1.3 1.6	1.2 1.6 2.0 2.5	D 6' 8' 10' 12'6" Test # H	FC 64 36 23 15 121208 FC	L 1.3 1.7 2.1 2.6	W 1.3 1.7 2.1 2.7 W	CB 3.5 4.6 5.8 7.2 CB	D 2' 3' 4' 5' Test #	FC 121 54 30 19 H21208	L 1.1 1.6 2.2 2.7	0.8 1.1 1.5 1.9	3.5 5.2 6.9 8.7	D 1 2' 2 3' 1 4' 6 5' 3 Test # H	FC L 246 0.6 09 0.9 61 1.2 39 1.5 121209 <b>○C</b> L	0.6 0.9 1.2 1.5	3 4 5 CB
Lumens: 575 Beam Spread: 9° CBCP: 12,500 OS 037 MR16/IR/SP/10	85° 75° 65° 55° 45° Test # H2120 Degree @ 85°	0 0 0 0 9 9 180° 0	0 0 0 0 0 0 0 0	6' 8' 10' 12'6" Test # 1 6'	123 69 44 28 H21207 FC 151	L 0.8 1.0 1.3 1.6 L 1.3	1.2           1.6           2.0           2.5           W           1.8	D 6' 8' 10' 12'6" Test # F D 6'	FC 64 36 23 15 121208 FC 87	L 1.3 1.7 2.1 2.6 L 1.8	W           1.3           1.7           2.1           2.7           W           1.6	CB         3.5         4.6         5.8         7.2         CB         3.5	D 2' 3' 4' 5' Test # D 2'	FC 121 54 30 19 H21208 FC 147	L 1.1 1.6 2.2 2.7 L 1.6	0.8 1.1 1.5 1.9 <b>W</b> 0.9	3.5         5.2         6.9         8.7	D 1 2' 2 3' 1 4' 6 5' 3 Test # F	FC         L           246         0.6           09         0.9           61         1.2           39         1.5           121209           FC         L           29         1.0	0.6 0.9 1.2 1.5 W 0.7	3 4 5 <b>CB</b> 2
Lumens: 575 Beam Spread: 9° CBCP: 12,500 OS 037 MR16/IR/SP/10 Lumens: 900 Beam Spread: 10°	85° 75° 65° 55° 45° Test # H2120 Degree @ 85° 75°	0 0 0 9 9 180° 0 0	0 0 0 0 0 0 0 0 0	6' 8' 10' <u>12'6"</u> Test # F	123 69 44 28 121207 <b>FC</b> 151 85	L 0.8 1.0 1.3 1.6 L 1.3 1.8	1.2           1.6           2.0           2.5           W           1.8           2.4	D 6' 8' 10' 12'6" Test # H 6' 8'	FC 64 36 23 15 121208 FC 87 49	L 1.3 1.7 2.1 2.6 L 1.8 2.4	W           1.3           1.7           2.1           2.7           W           1.6           2.2	CB           3.5           4.6           5.8           7.2           CB           3.5           4.6	D 2' 3' 4' 5' Test # 2' 3'	FC 121 54 30 19 H21208 FC 147 65	L 1.1 2.2 2.7 L 1.6 2.4	0.8 1.1 1.5 1.9 <b>W</b> 0.9 1.3	3.5         5.2         6.9         8.7         CB         3.5         5.2         5.2	D         I           2'         2           3'         1           4'         0           5'         3           Test # F           2'         3           3'         1	FC         L           246         0.6           09         0.9           51         1.2           39         1.5           121209	0.6 0.9 1.2 1.5 <b>W</b> 0.7 1.0	3 4 5 <b>CB</b> 2 3
Lumens: 575 Beam Spread: 9° CBCP: 12,500 OS 037 MR16//R/SP/10 Lumens: 900 Beam Spread: 10° CBCP: 13.100	85° 75° 65° 55° 45° Test # H2120 <b>Degree @</b> 85° 75° 65°	0 0 0 0 9 9 180° 0 0 0 0	0 0 0 0 0 0 0 0 0 0	6' 8' 10' 12'6" Test # 1 6' 8' 10'	123 69 44 28 121207 FC 151 85 54	L 0.8 1.0 1.3 1.6 L 1.3 1.8 2.2	1.2           1.6           2.0           2.5           W           1.8           2.4           3.0	D 6' 8' 10' 12'6" Test # H 6' 8' 10'	FC 64 36 23 15 121208 FC 87 49 31	L 1.3 1.7 2.1 2.6 L 1.8 2.4 3	W 1.3 1.7 2.1 2.7 W 1.6 2.2 2.7 2.4	CB 3.5 4.6 5.8 7.2 CB 3.5 4.6 5.8 7.2	D 2' 3' 4' 5' Test # 2' 3' 4'	FC 121 54 30 19 H21208 FC 147 65 37	L 1.1 1.6 2.2 2.7 L 1.6 2.4 3.1 2.2	0.8 1.1 1.5 1.9 <b>W</b> 0.9 1.3 1.8	CB           3.5           5.2           6.9           8.7           CB           3.5           5.2           6.9	D         I           2'         2           3'         1           4'         6           5'         3'           Test # H           2'         3           3'         1           4'         8           5'         3'	FC         L           246         0.6           09         0.9           61         1.2           39         1.5           121209         1.5           229         1.0           46         1.4           32         1.9	0.6 0.9 1.2 1.5 <b>W</b> 0.7 1.0 1.3	3 4 5 2 3 4
Lumens: 575 Beam Spread: 9° CBCP: 12,500 OS 037 MR16//R/SP/10 Lumens: 900 Beam Spread: 10° CBCP: 13,100	85° 75° 65° 55° Test # H2120 <b>Degree @</b> 85° 75° 65° 55°	0 0 0 0 9 9 180° 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	6' 8' 10' 12'6" Test # 1 6' 8' 10' 12'6" Test # 1	123 69 44 28 121207 <b>FC</b> 151 85 54 35	L 0.8 1.0 1.3 1.6 L 1.3 1.8 2.2 2.8	W           1.2           1.6           2.0           2.5           W           1.8           2.4           3.0           3.8	D 6' 8' 10' 12'6" Test # H 6' 8' 10' 12'6" Test # H	FC 64 36 23 15 21208 FC 87 49 31 20	L 1.3 1.7 2.1 2.6 L 1.8 2.4 3 3.8	W           1.3           1.7           2.1           2.7           W           1.6           2.2           2.7           3.4	CB           3.5           4.6           5.8           7.2           CB           3.5           4.6           5.8           7.2	D 2' 3' 4' 5' Test # 2' 3' 4' 5' 5'	FC 121 54 30 19 H21208 FC 147 65 37 24	L 1.1 1.6 2.2 2.7 L 1.6 2.4 3.1 3.9	0.8 1.1 1.5 1.9 <b>W</b> 0.9 1.3 1.8 2.2	CB           3.5           5.2           6.9           8.7           CB           3.5           5.2           6.9           8.7	D         I           2'         2           3'         1           4'         6           5'         3           2'         3           3'         1           4'         6           5'         3           3'         1           4'         6           5'         5           Test # H         5	FC         L           246         0.6           09         0.9           51         1.2           39         1.5           121209	0.6         0.9         1.2         1.5         0.7         1.0         1.3         1.7 <th1.7< th=""> <th1.7< th=""> <th1.7< th=""></th1.7<></th1.7<></th1.7<>	3 4 5 2 3 4 5
Lumens: 575 Beam Spread: 9° CBCP: 12,500 OS 037 MR16/IR/SP/10 Lumens: 900 Beam Spread: 10° CBCP: 13,100	85° 75° 65° 55° 45° <b>Degree @</b> 85° 75° 65° 55° 45° 75° 65° 55° 45° 75°	0 0 0 0 9 9 180° 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6' 8' 10' 12'6" Test # 1 6' 8' 10' 12'6" Test # 1	123 69 44 28 121207 FC 151 85 54 35 121258	L 0.8 1.0 1.3 1.6 L 1.3 1.8 2.2 2.8	W           1.2           1.6           2.0           2.5           W           1.8           2.4           3.0           3.8	D 6' 10' 12'6" Test # F 6' 8' 10' 12'6" Test # F	FC 64 36 23 15 121208 FC 87 49 31 20 121257	L 1.3 1.7 2.1 2.6 L 1.8 2.4 3 3.8	W           1.3           1.7           2.1           2.7           W           1.6           2.2           2.7           3.4	CB           3.5           4.6           5.8           7.2           CB           3.5           4.6           5.8           7.2	D 2' 3' 4' 5' Test # 2' 3' 4' 5' Test #	FC 121 54 30 19 H21208 FC 147 65 37 24 H21257	L 1.1 1.6 2.2 2.7 L 1.6 2.4 3.1 3.9	0.8 1.1 1.5 1.9 <b>W</b> 0.9 1.3 1.8 2.2	CB           3.5           5.2           6.9           8.7           CB           3.5           5.2           6.9           8.7	D         I           2'         2           3'         1           4'         0           5'         3'           2'         3           3'         1           4'         8           5'         5'           Test # H	FC         L           246         0.6           09         0.9           61         1.2           39         1.5           121209	0.6 0.9 1.2 1.5 <b>W</b> 0.7 1.0 1.3 1.7	3 4 5 2 3 4 5
Lumens: 575 Beam Spread: 9° CBCP: 12,500 OS 037 MR16/IR/SP/10 Lumens: 900 Beam Spread: 10° CBCP: 13,100 GE 020 MR16/VNSP7	85° 75° 65° 55° 45° <b>Degree @</b> 85° 75° 65° 55° 45° Test # H2120 <b>Degree @</b> <b>Degree @</b>	0 0 0 9 <b>9</b> <b>180°</b> 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6' 8' 10' 12'6" Test # 1 6' 8' 10' 12'6" Test # 1 D	123 69 44 28 121207 FC 151 85 54 35 121258 FC	L 0.8 1.0 1.3 1.6 L 1.3 1.8 2.2 2.8 L L	W           1.2           1.6           2.0           2.5           W           1.8           2.4           3.0           3.8	D 6' 8' 10' 12'6" Test # F 6' 8' 10' 12'6" Test # F D 0' 12'6"	FC 64 36 23 15 121208 FC 87 49 31 20 121257 FC	L 1.3 1.7 2.1 2.6 L 1.8 2.4 3 3.8 L L	W           1.3           1.7           2.1           2.7           W           1.6           2.2           2.7           3.4	CB           3.5           4.6           5.8           7.2           CB           3.5           4.6           5.8           7.2           CB           3.5           4.6           5.8           7.2           CB           CB           CB	D 2' 3' 4' 5' Test # 2' 3' 4' 5' Test #	FC 121 54 30 19 H21208 FC 147 65 37 24 H21257 FC 72	L 1.1 1.6 2.2 2.7 L 1.6 2.4 3.1 3.9 L L	0.8 1.1 1.5 1.9 W 0.9 1.3 1.8 2.2 W	CB           3.5           5.2           6.9           8.7           CB           3.5           5.2           6.9           8.7           CB           3.5           5.2           6.9           8.7	D         I           2'         2           3'         1           4'         0           5'         3           7         1           4'         2           3'         1           4'         2           5'         3           1         4'           5'         3           Test # H           D         0	FC         L           246         0.6           09         0.9           61         1.2           39         1.5           121209         1.6           229         1.0           46         1.4           32         1.9           53         2.4           121256         1.2	0.6           0.9           1.2           1.5           W           0.7           1.0           1.3           1.7           W	3 4 5 2 3 4 5 5 <b>CB</b> 2 <b>CB</b>
Lumens: 575 Beam Spread: 9° CBCP: 12,500 OS 037 MR16/IR/SP/10 Lumens: 900 Beam Spread: 10° CBCP: 13,100 GE 020 MR16/VNSP7 Lumens: 200	85°       75°       65°       55°       45°       Test # H2120       Degree       85°       75°       65°       55°       45°       75°       65°       55°       45°       75°       65°       55°       45°       Test # H2125       Degree       85°       75°	0 0 0 9 9 180° 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6' 8' 10' 12'6" Test # 1 6' 8' 10' 12'6" Test # 1 12'6" Test # 1	123 69 44 28 121207 FC 151 85 54 35 121258 FC 87 49	L 0.8 1.0 1.3 1.6 L 1.3 1.8 2.2 2.8 L 0.7 0.2	W           1.2           1.6           2.0           2.5           W           1.8           2.4           3.0           3.8           W           0.6           0.8	D 6' 8' 10' 12'6" Test # H 6' 8' 10' 12'6" Test # H D 6' 0 6'	FC 64 36 23 15 121208 FC 87 49 31 20 121257 FC 38 22	L 1.3 1.7 2.1 2.6 1.8 2.4 3 3.8 3.8 L 0.8 1.1	W           1.3           1.7           2.1           2.7           W           1.6           2.2           2.7           3.4           W           0.9           1.2	CB           3.5           4.6           5.8           7.2           CB           3.5           4.6           5.8           7.2           CB           3.5           4.6           5.8           7.2           CB           3.5           4.6	D 2' 3' 5' Test # D 2' 3' 4' 5' Test # D 2' 2' 2'	FC 121 54 30 19 H21208 FC 147 65 37 24 H21257 FC 79 25	L 1.1 1.6 2.2 2.7 L 1.6 2.4 3.1 3.9 L 0.7 1.1	0.8 1.1 1.5 1.9 W 0.9 1.3 1.8 2.2 W 0.6 0.8	CB         3.5         5.2         6.9         8.7         8.7         0.6 <th0.6< th="">         0.6         <th0.6< th=""> <th0.6< th=""> <th0.6< th=""></th0.6<></th0.6<></th0.6<></th0.6<>	D         I           2'         2           3'         1           4'         0           5'         5           Test # H           D         I           2'         3           3'         1           4'         8           5'         9           Test # H           D         I           2'         1           2'         1           2'         1	FC         L $246$ 0.6           09         0.9 $61$ 1.2 $39$ 1.5 $121209$ 1.5 $229$ 1.0 $46$ 1.4 $32$ 1.9 $53$ 2.4 $121256$ $22$ $72$ 0.4 $72$ 0.4	0.6         0.9         1.2         1.5         0.7         1.0         1.3         1.7         1.7         W         0.4	3 4 5 2 3 4 5 5 <b>CB</b> 2 2 3 4 5 2 2 2
Lumens: 575 Beam Spread: 9° CBCP: 12,500 OS 037 MR16/IR/SP/10 Lumens: 900 Beam Spread: 10° CBCP: 13,100 GE 020 MR16/VNSP7 Lumens: 200 Beam Spread: 7°	85° 75° 65° 55° Test # H2120 Degree @ 85° 75° 65° 55° 45° Test # H2125 Degree @ 85° 75° 65° 55° 45° 75° 65° 65° 65° 65° 65° 65° 65° 6	0 0 0 9 9 180° 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6' 8' 10' 12'6" Test # I 6' 8' 10' 12'6" Test # I Test # I	123 69 44 28 121207 <b>FC</b> 151 85 54 35 121258 <b>FC</b> 87 49 31	L 0.8 1.0 1.3 1.6 L 1.3 1.8 2.2 2.8 L 0.7 0.9 1.1	W           1.2           1.6           2.0           2.5           W           1.8           2.4           3.0           3.8           W           0.6           0.8           1.0	D 6' 8' 10' 12'6" Test # H 6' 8' 10' 12'6" Test # H 0' 12'6" Test # H	FC           64           36           23           15           421208           FC           87           49           31           20           421257           FC           38           22           14	L 1.3 1.7 2.1 2.6 L 1.8 2.4 3 3.8 3.8 U 0.8 1.1 1.4	W           1.3           1.7           2.1           2.7           W           1.6           2.2           2.7           3.4           W           0.9           1.2           1.5	CB 3.5 4.6 5.8 7.2 CB 3.5 4.6 5.8 7.2 CB 3.5 4.6 5.8	D 2' 3' 4' 5' Test # 2' 3' 4' 5' Test # <b>D</b> 2' 3' 3' 4'	FC 121 54 30 19 H21208 FC 147 65 37 24 H21257 FC 79 35 20	L 1.1 1.6 2.2 2.7 L 1.6 2.4 3.1 3.9 L 0.7 1.1 1.5	0.8 1.1 1.5 1.9 W 0.9 1.3 1.8 2.2 W 0.6 0.8 1.1	CB           3.5           5.2           6.9           8.7	D         I           2'         2           3'         1           4'         0           5'         3'           2'         3           3'         1           4'         8           5'         9           Test # H         1           Q'         1           4'         8           5'         9           Test # H         1           Q'         1           3'         1           4'         4'	FC         L $246$ 0.6           09         0.9 $61$ 1.2 $39$ 1.5 $121209$ 1.6 $1229$ 1.0 $46$ 1.4 $32$ 1.9 $53$ 2.4 $121256$ $12756$ $\overline{C}$ L $\overline{72}$ 0.4 $\overline{72}$ 0.4 $\overline{13}$ 0.6 $\overline{13}$ 0.6	W           0.7           1.0           1.3           1.7           W           0.4           0.6           0.7	3 4 5 2 3 4 5 <b>CB</b> 2 3 4 5 2 3 4
Lumens: 575 Beam Spread: 9° CBCP: 12,500 OS 037 MR16//R/SP/10 Lumens: 900 Beam Spread: 10° CBCP: 13,100 GE 020 MR16//NSP7 Lumens: 200 Beam Spread: 7° CBCP: 7,400	85° 75° 65° 55° 45° Test # H2120 <b>Degree @</b> 85° 75° 65° 55° 45° Test # H2125 <b>Degree @</b> 85° 75° 65° 55° 55° 55° 55° 55° 55° 5	0 0 0 9 9 180° 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6' 8' 10' 12'6" Test #1 6' 8' 10' 12'6" Test #1 D 6' 8' 10' 12'6" 10' 12'6"	123 69 44 28 121207 FC 151 85 54 35 121258 FC 87 49 31 20	L 0.8 1.0 1.3 1.6 L 1.3 1.8 2.2 2.8 2.8 L 0.7 0.9 1.1 1.4	W           1.2           1.6           2.0           2.5           W           1.8           2.4           3.0           3.8           W           0.6           0.8           1.0           1.3	D 6' 10' 12'6" Test # F 0' 12'6" 7 12'6" Test # F 0' 12'6" 7 12'6"	FC           64           36           23           15           421208           FC           87           49           31           20           421257           FC           38           22           14           9	L 1.3 1.7 2.1 2.6 L 1.8 2.4 3 3.8 3.8 3.8 U L 0.8 1.1 1.4 1.7	W           1.3           1.7           2.1           2.7           W           1.6           2.2           2.7           3.4           W           0.9           1.2           1.5           1.8	CB           3.5           4.6           5.8           7.2           CB           3.5           4.6           5.8           7.2           CB           3.5           4.6           5.8           7.2	D 2' 3' 4' 5' Test # 2' 3' 4' 5' Test # 2' 3' 4' 5'	FC 121 54 30 19 H21208 FC 147 65 37 24 H21257 FC 79 35 20 13	L 1.1 1.6 2.2 2.7 L 1.6 2.4 3.1 3.9 L 0.7 1.1 1.5 1.8	0.8 1.1 1.5 1.9 W 0.9 1.3 1.8 2.2 W 0.6 0.8 1.1 1.4	CB           3.5           5.2           6.9           8.7           8.7	D         I           2'         2           3'         1           4'         0           5'         3'           2'         3           3'         1           4'         4           5'         9           Test # H         1           2'         3           3'         1           4'         4           5'         9           2'         1           3'         2'           4'         4           5'         2'	FC         L $246$ 0.6           09         0.9 $51$ 1.2 $39$ 1.5 $121209$ 1.6 $1229$ 1.0 $46$ 1.4 $32$ 1.9 $53$ 2.4 $121256$ 1.9 $52$ 0.4 $72$ 0.4 $72$ 0.4 $76$ 0.6 $13$ 0.8 $28$ 1.0	W           0.7           1.0           1.3           1.7           W           0.4           0.6           0.7	3 4 5 2 3 4 5 <b>CB</b> 2 3 4 5 <b>CB</b> 2 3 4 5
Lumens: 575 Beam Spread: 9° CBCP: 12,500 <b>OS 037 MR16//R/SP/10</b> Lumens: 900 Beam Spread: 10° CBCP: 13,100 <b>GE 020 MR16//NSP7</b> Lumens: 200 Beam Spread: 7° CBCP: 7,400	85° 75° 65° 45° Test # H2120 <b>Degree @</b> 85° 75° 65° 55° 45° Test # H2125 <b>Degree @</b> 85° 75° 65° 55° 45° 75° 65° 55° 45° 75° 65° 55° 45° 75° 65° 55° 45° 75° 65° 55° 45° 75° 65° 55° 45° 75° 65° 55° 45° 75° 65° 55° 45° 75° 65° 55° 45° 75° 65° 55° 45° 75° 65° 55° 45° 75° 65° 55° 45° 75° 65° 55° 45° 75° 65° 55° 45° 75° 65° 55° 45° 75° 65° 55° 45° 75° 75° 65° 55° 45° 75° 65° 75° 65° 75° 75° 65° 75° 65° 75° 75° 75° 65° 75° 75° 75° 75° 65° 75° 75° 75° 75° 75° 75° 75° 7	0 0 0 9 9 180° 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6' 8' 10' 12'6" Test # 1 6' 8' 10' 12'6" Test # 1 0' 12'6" Test # 1	FC           123           69           44           28           121207           FC           151           85           54           35           54           35           FC           87           49           31           20           121233	L 0.8 1.0 1.3 1.6 L 1.3 1.8 2.2 2.8 L 0.7 0.9 1.1 1.4	W           1.8           2.4           3.0           3.8           W           0.6           0.8           1.0           1.3	D 6' 12'6" Test # H 6' 8' 10' 12'6" Test # H 6' 8' 10' 12'6" Test # H	FC           64           36           23           15           421208           FC           87           49           31           20           421257           FC           38           22           14           9           421236	L 1.3 1.7 2.1 2.6 1.8 2.4 3 3.8 3.8 L 0.8 1.1 1.4 1.7	W           1.3           1.7           2.1           2.7           W           1.6           2.2           2.7           3.4           W           0.9           1.2           1.5           1.8	CB           3.5           4.6           5.8           7.2           CB           3.5           4.6           5.8           7.2           CB           3.5           4.6           5.8           7.2           CB           3.5           4.6           5.8           7.2	D           2'           3'           4'           5'           Test #           D           2'           3'           4'           5'           Test #           D           2'           3'           4'           5'           Test #           D           2'           3'           4'           5'           Test #	FC           121           54           30           19           H21208           FC           147           65           37           24           H21257           FC           79           35           20           13           H21236	L 1.1 1.6 2.2 2.7 L 1.6 2.4 3.1 3.9 L 0.7 1.1 1.5 1.8	0.8 1.1 1.5 1.9 W 0.9 1.3 1.8 2.2 W 0.6 0.8 1.1 1.4	CB           3.5           5.2           6.9           8.7	D         I           2'         2           3'         1           4'         0           5'         3'           4'         4'           5'         9           Test # H         1           2'         3           3'         1           4'         4           5'         9           Test # H         1           2'         1           3'         1           4'         4           5'         9           4'         4           5'         2           4'         4           5'         2           Test # H         1	FC         L $246$ 0.6           09         0.9 $51$ 1.2 $39$ 1.5 $121209$ 1.5 $421209$ 1.6 $421209$ 1.0 $421209$ 1.0 $46$ 1.4 $32$ 1.9 $53$ 2.4 $121256$ 1.9 $52$ 0.4 $72$ 0.4 $72$ 0.4 $72$ 0.4 $76$ 0.6 $43$ 0.8 $28$ 1.0 $121239$	0.6           0.9           1.2           1.5           W           0.7           1.0           1.3           1.7           W           0.4           0.6           0.7           0.9	3 4 5 2 3 4 5 5 <b>CB</b> 2 3 4 5 5

Luminance: To convert cd/m<sup>2</sup> to footlamberts, multiply by 0.2919 • Beam spread is to 50% center beam candlepower (CBCP.)

D = Distance to floor or wall. FC = Footcandles on floor or wall at center beam aiming location. L = Effective Visual Beam length in feet

(50% of maximum footcandle level.) W= Effective Visual Beam width in feet (50% of maximum footcandle level. CB = Distance across or down to center beam

location. RiS believes that bare lamp data photometrics vastly overstate the performance of low voltage adjustable accent fixtures. The "real world photometrics" shown here are from off the shelf lamps in fixtures using a clear lens and operated at 12.0 volts. Please see page 64 & 65 of the IRiS catalog for a further discussion and appropriate correction multipliers.



COOPER Lighting

Customer First Center 1121 Highway 74 South Peachtree City, GA 30269 770.486.4800 FAX 770 486.4801 ADI042546 Cooper Lighting 5925 McLaughlin Rd. Mississauga, Ontario, Canada L5R 1B8 905.507.4000 FAX 905.568.7049

Note: Specifications and Dimensions subject to change without notice. Visit our web site at www.cooperlighting.com