

MXG2DRTR

3.5" MX G2 TunableWhite Downlight

ELECTRICAL DATA

LED Light Engine	System Wattage *	CCT / CRI	Delivered Lumens **	Lumens Per Watt
TW05	8W	3500K / 92 CRI	500lm	62.5 lm/W
TW0	11W	3500K / 92 CRI	750lm	68.2 lm/W
TW1	17W	3500K / 92 CRI	1000lm	58.8 lm/W

*System Wattage includes driver and LED Module consumption. | **Delivered lumens will vary depending on trim, CCT, CRI, optic and ceiling thickness

FEATURES

- Multiple architectural trim options
- Field changeable 14°, 26°, 30° or 45° optics

LED LIGHT ENGINE

- Tuning range from 2700K-6500K at a minimum of 92 CRI
- 3 SDCM binning throughout the tunable CCT range
- Wattage: 8W to 17W
- Rated life of >50,000 hours L70 based on LED testing per LM-80-08 and projected values using IESNA TM21-11

ELECTRICAL SYSTEM

- 120V or 277V input; Power factor >.9, 50/60Hz
- This product complies with IEEE C62.41 for surge endurance up to 2.5KV
- Additional surge protection recommended, damage from power surge is not covered by warranty

DIMMING

- eldoLED Dual Drive 2CH 0-10V 0.1% (Remote Only)
- Lutron T-Series 1% 2CH tunable white driver (Remote Only)
- DMX512 RDM 8-bit 0.1% (Remote Only)
- eldoLED Dual Drive DALI (DT6/DT8) 0.1%

HOUSING

- Heavy duty black powder coated 18 gauge steel frame
- Standard housing accommodates 5/8" ceiling thickness
- Extended collar options available for ceilings up to 1" or 2" thick, must specify either EC1 or EC2 (EC1/EC2 Not available with Chicago Plenum)

TRIM SPECIFICATION

High quality die-cast A380 aluminum trims with durable powder coat finishes. Architectural, discrete self flange or painted white flange options available. Trims available in 1-1/2" regress for greater visual comfort or 1/2" regress for consistent look throughout space.

INSTALLATION

Housing types include IC Air-Tight, CCEA (Chicago Plenum), or Non-IC Rated (must specify). Non-IC rated housings must be kept at a minimum of 3" away from insulation. Butterfly brackets are compatible with C-channel, adjustable bar hangers (14"-25") and EMT. C-channel is recommended for T-bar ceilings. Bar hangers must be ordered separately. Maximum ambient temperature: 95°F (35°C)

REMOTE BOX

- Remote box included when required by specification
- Galvanized steel construction
- Separate line voltage and low voltage wiring compartments
- 50ft remote distance maximum

ACCESSORIES

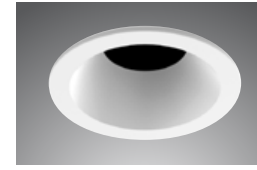
Luminaire will accommodate (2) accessories, accessory holder required

LISTING / WARRANTY

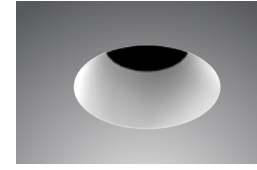
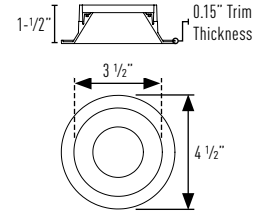
- 5-Year Intense LED Limited Warranty
- ETL listed to US and Canadian standards for damp locations
- (-IC/-CP Only) Air-Tight Certified ASTM E283
- (-IC/-CP Only) ETL listed for direct contact w/insulation
- (-CP Only) CCEA Chicago Plenum



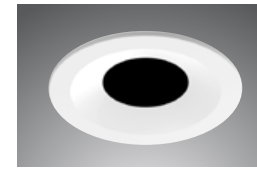
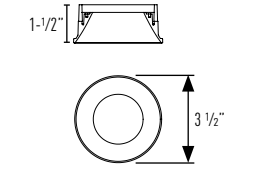
JOB NAME	CATALOG NUMBER
NOTES	TYPE



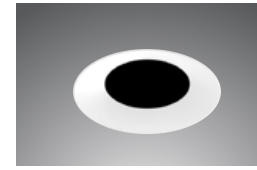
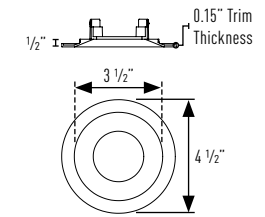
MXTG2-RTRD300
(1-1/2" Regress)



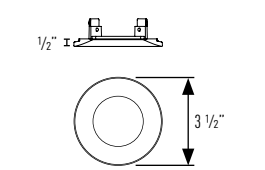
MXTG2-RTLTD300
(1-1/2" Regress)



MXTG2-RTRR300
(1/2" Regress)



MXTG2-RTLRL300
(1/2" Regress)



Available Trim Finishes:



Housing Part Number (Example: MXG2DRTR-ICTW05-ED10V01)

Housing Type	Ceiling Thickness	Wattage	Dimming	Voltage
MXG2DRTR-NC (Non-IC)	blank (5/8")	TW05 (8W)	-ED10V01 ¹ (eldoLED Dual Drive 2CH 0-10V 0.1%)	blank (Non-IC: 120V; -IC/-CP: 120V/277V)
	EC1 (1")	TW0 (11W)	-LUTT ¹ (Lutron® T Series 1%)	
MXG2DRTR-IC (Air-Tight IC)	EC2 (2")	TW1 (17W)	-DMXR ¹ (DMX512 RDM 8-bit 0.1%)	27 (277V Non-IC Only; For -IC/-CP housing options use blank)
			-DALI6 ² (eldoLED Dual Drive DALI DT6 0.1%)	
MXG2DRTR-CP (Chicago Plenum)			-DALI8 ² (eldoLED Dual Drive DALI DT8 0.1%)	

Trim Part Number (Example: MXTG2-RTRD300W-SFTWSP)

Trim	Trim Finish	Trim Type	CCT Range	Optic
MXTG2-RTRD300 (1-1/2" Regress Trimmed)	W (White)	-SF (Self Flanged)	TW (2700K-6500K)	SP (14° SP)
	B ⁴ (Black)	-SFW ⁴ (Self Flanged White)		
MXTG2-RTLTD300 ³ (1-1/2" Regress Trimless)	SN ⁴ (Satin Nickel)	blank ³ (Trimless, for use with mud ring only)		NF (26° NFL)
	AB ⁴ (Antique Bronze)			FL (30° FL)
MXTG2-RTRR300 (1/2" Regress Trimmed)				WF (45° WFL)
MXTG2-RTLRL300 ³ (1/2" Regress Trimless)				

Notes:

- AIC or CP only, Remote Box Required
- Not Available with AIC or CP in TW1
- Trimless options are for use with mud ring accessory only
- Consult factory for lead times

Accessories

LH47	(Accessory Holder, Black)
LH47W	(Accessory Holder, White)
PFLMB-47	(Hex Louver, Black)
PFL1-47	(Prismatic Spread Lens)
PFL2-47	(Linear Spread Lens)
PFL4-47	(Soft Focus Lens)

Bar Hangers

1100	(C-Channel Bar Hangers)
1200	(Flat Bar Hangers)
1400	(Wood Joist Bar Hangers)

Mud Ring

MXR-MR ³	(Round Trimless Mud Ring)
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MX DOWNLIGHTING LUM-0213:25 P-1

INTENSE LIGHTING | 725 Landwehr Road, Northbrook, IL 60062 | tel 714 630-9877 | fax 847 559-5505

For Intense Lighting's limited product warranty, go to www.intenselighting.com. For a printed copy of the warranty, you may call 800 961-5321.

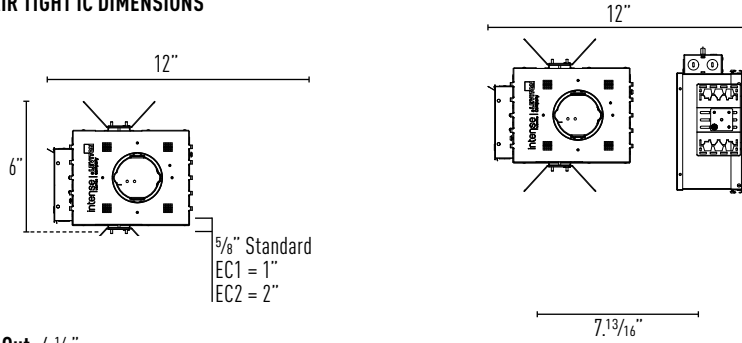
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MXG2DRTR

3.5" MX G2 TunableWhite Downlight

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

NON-IC & AIR TIGHT IC DIMENSIONS

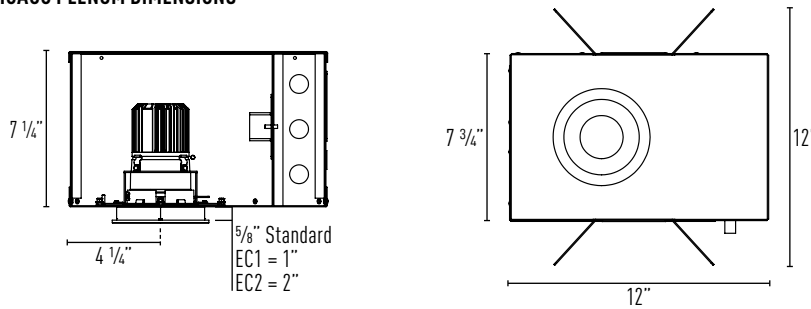


Ceiling Cut Out: 4 1/8"

Plaster Frame Accommodation

Collar Type	Standard	EC1	EC2
Max Ceiling Thickness	Up-to 5/8"	Up-to 1"	Up-to 2"

CCEA CHICAGO PLENUM DIMENSIONS

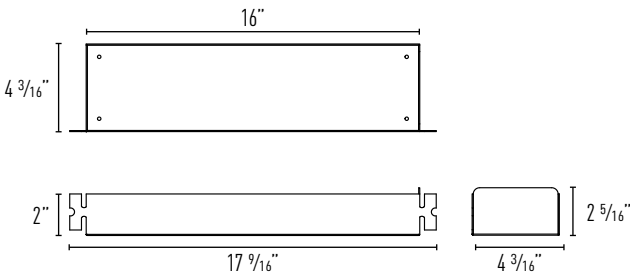


Ceiling Cut Out: 4 1/8"

Plaster Frame Accommodation

Collar Type	Standard	EC1	EC2
Max Ceiling Thickness	Up-to 5/8"	Up-to 1"	Up-to 2"

REMOTE MOUNTED DRIVER OPTIONS



Remote Driver Box For

- eldoLED Dual Drive 2CH 0-10V 0.1%
- Lutron T-Series 1% 2CH tunable white driver
- DMX512 RDM 8-bit 0.1%

Note: Wires for class 2 LED driver require a minimum of 18 AWG wire at a maximum of 50 feet length per local and national electrical regulations.

Lumen Package	System Wattage		
	CCT	120V	277V
TW05 (500lm)	2700K	8W	10W
	3500K	8W	9W
	6000K	7W	8W
TW0 (750lm)	2700K	13W	14W
	3500K	11W	12W
	6000K	10W	12W
TW1 (1000lm)	2700K	21W	22W
	3500K	17W	18W
	6000K	16W	17W

MXG2DRTR

3.5" MX G2 TunableWhite Downlight

JOB NAME	CATALOG NUMBER
NOTES	TYPE

ACCESSORIES:

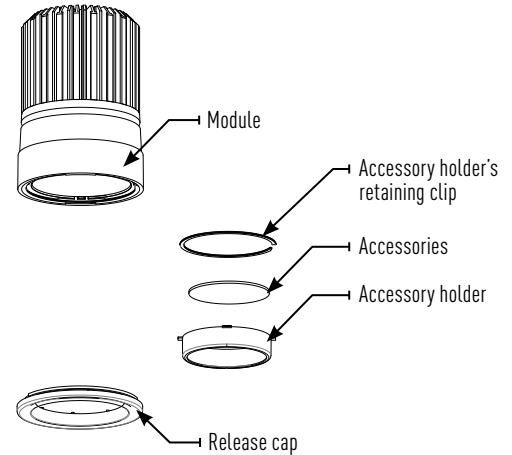
Luminaire will accommodate (2) accessories, accessory holder required.

INSTALLATION:

1. Rotate release cap by turning counter clockwise.
2. Install accessories into accessory holder and replace accessory holder's retaining clip.
3. Place accessory holder and accessory flush against optic and replace release cap.

Accessories

LH47	(Accessory Holder, Black)
LH47W	(Accessory Holder, White)
PFLMB-47	(Hex Louver, Black)
PFL1-47	(Prismatic Spread Lens)
PFL2-47	(Linear Spread Lens)
PFL4-47	(Soft Focus Lens)

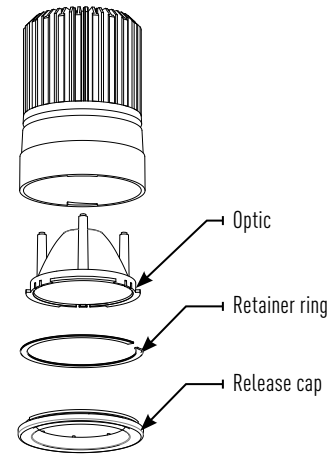


OPTICS REPLACEMENT

1. Rotate release cap by turning counter clockwise.
2. Install accessories into accessory holder and replace accessory holder's retaining clip.
3. Place accessory holder and accessory flush against optic and replace release cap.

Optics

IP-OP4712	(14° Spot)
IP-OP4724	(26° Narrow Flood)
IP-OP4736	(30° Flood)
IP-OP4750	(45° Wide Flood)



JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

MXTG2-RTRD300WL0

Report #: ILL-01262016-37 (12)
 ILL-01262016-40 (24)
 ILL-01262016-43 (36)
 ILL-01262016-46 (50)

MXTG2-RTRD300

Ceiling Thickness Multipliers:
 5/8" Thickness (x 1.00)
 1" Thickness (x 0.90)
 2" Thickness (x 0.80)

MXTG2-RTRR300

Ceiling Thickness Multipliers:
 5/8" Thickness (x 0.90)
 1" Thickness (x 0.77)
 2" Thickness (x 0.63)

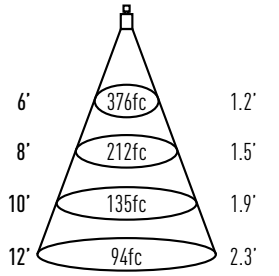
CCT MULTIPLIERS:

	82 CRI	92 CRI
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4100K	(x 1.00)	(x 0.87)

EMERGENCY MULTIPLIER:

7W Emergency (x 0.70)

12° Spot (12)

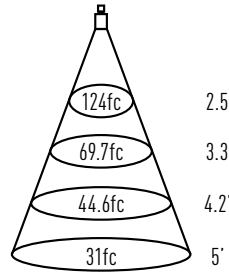


Watts: 10
 Lumens: 779
 LPW: 78
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	13539
5°	7504
15°	565
25°	95
35°	34
45°	6

24° Narrow Flood (24)

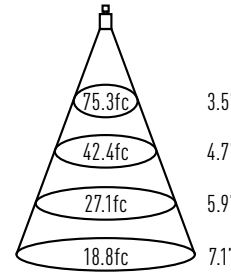


Watts: 10
 Lumens: 863
 LPW: 86
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	4461
5°	3947
15°	1373
25°	226
35°	25
45°	3

36° Flood (36)

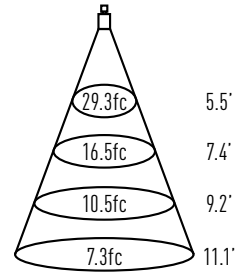


Watts: 10
 Lumens: 955
 LPW: 96
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	2712
5°	2738
15°	1615
25°	448
35°	70
45°	6

50° Wide Flood (50)



Watts: 10
 Lumens: 837
 LPW: 84
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	1055
5°	1115
15°	991
25°	573
35°	222
45°	56

MXTG2-RTRD300WL1

Report #: ILL-01262016-13 (12)
 ILL-01262016-16 (24)
 ILL-01262016-19 (36)
 ILL-01262016-22 (50)

MXTG2-RTRD300

Ceiling Thickness Multipliers:
 5/8" Thickness (x 1.00)
 1" Thickness (x 0.90)
 2" Thickness (x 0.80)

MXTG2-RTRR300

Ceiling Thickness Multipliers:
 5/8" Thickness (x 0.90)
 1" Thickness (x 0.77)
 2" Thickness (x 0.63)

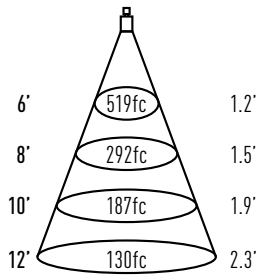
CCT MULTIPLIERS:

	82 CRI	92 CRI
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4100K	(x 1.00)	(x 0.87)

EMERGENCY MULTIPLIER:

7W Emergency (x 0.50)
 12W Emergency (x 0.85)

12° Spot (12)

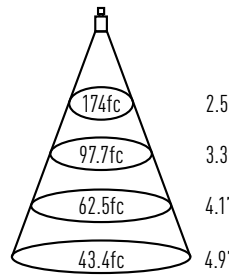


Watts: 15.6
 Lumens: 1083
 LPW: 69
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	18687
5°	10403
15°	794
25°	127
35°	48
45°	8

24° Narrow Flood (24)

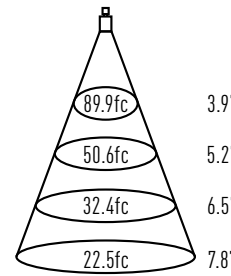


Watts: 15.6
 Lumens: 1199
 LPW: 77
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	6250
5°	5532
15°	1904
25°	317
35°	32
45°	4

36° Flood (36)

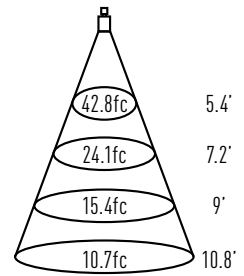


Watts: 15.6
 Lumens: 1327
 LPW: 85
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	3235
5°	3228
15°	2163
25°	707
35°	135
45°	14

50° Wide Flood (50)



Watts: 15.6
 Lumens: 1172
 LPW: 75
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	1540
5°	1624
15°	1411
25°	789
35°	301
45°	77

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

MXTG2-RTRD300WL2

Report #: ILL-01262016-25 (12)
 ILL-01262016-28 (24)
 ILL-01262016-31 (36)
 ILL-01262016-34 (50)

MXTG2-RTRD300

Ceiling Thickness Multipliers:
 5/8" Thickness (x 1.00)
 1" Thickness (x 0.90)
 2" Thickness (x 0.80)

MXTG2-RTRR300

Ceiling Thickness Multipliers:
 5/8" Thickness (x 0.90)
 1" Thickness (x 0.77)
 2" Thickness (x 0.63)

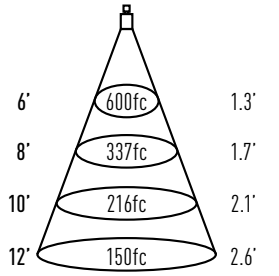
CCT MULTIPLIERS:

	82 CRI	92 CRI
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4100K	(x 1.00)	(x 0.87)

EMERGENCY MULTIPLIER:

7W Emergency (x 0.40)
 12W Emergency (x 0.68)

12° Spot (12)



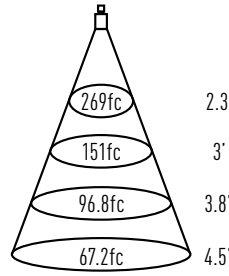
Throw Distance Footcandles at Nadir Beam Diameter

Watts: 20.4
 Lumens: 1354
 LPW: 66
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	21591
5°	13700
15°	796
25°	173
35°	68
45°	11

24° Narrow Flood (24)

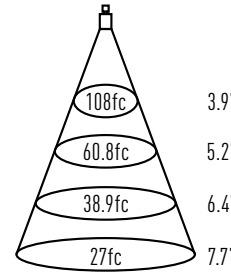


Watts: 20.4
 Lumens: 1533
 LPW: 75
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	9680
5°	8164
15°	2346
25°	275
35°	33
45°	5

36° Flood (36)

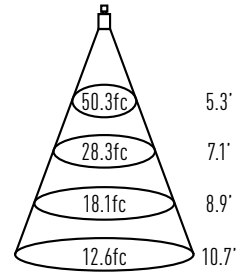


Watts: 20.4
 Lumens: 1558
 LPW: 76
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	3894
5°	3806
15°	2527
25°	828
35°	166
45°	15

50° Wide Flood (50)



Watts: 20.4
 Lumens: 1353
 LPW: 66
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	1809
5°	1894
15°	1633
25°	908
35°	346
45°	88

MXTG2-RTRD300WL3

Report #: ILL-01262016-10 (12)
 ILL-01262016-07 (24)
 ILL-01262016-01 (36)
 ILL-01262016-04 (50)

MXTG2-RTRD300

Ceiling Thickness Multipliers:
 5/8" Thickness (x 1.00)
 1" Thickness (x 0.90)
 2" Thickness (x 0.80)

MXTG2-RTRR300

Ceiling Thickness Multipliers:
 5/8" Thickness (x 0.90)
 1" Thickness (x 0.77)
 2" Thickness (x 0.63)

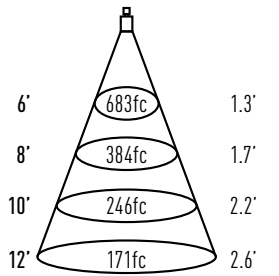
CCT MULTIPLIERS:

	82 CRI	92 CRI
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4100K	(x 1.00)	(x 0.87)

EMERGENCY MULTIPLIER:

7W Emergency (x 0.35)
 12W Emergency (x 0.59)

12° Spot (12)



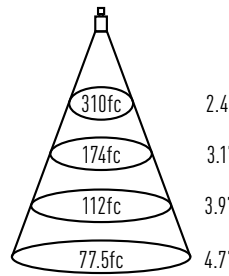
Throw Distance Footcandles at Nadir Beam Diameter

Watts: 26.3
 Lumens: 1571
 LPW: 60
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	24594
5°	15787
15°	896
25°	196
35°	73
45°	13

24° Narrow Flood (24)

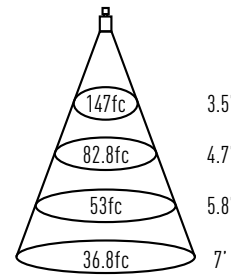


Watts: 26.3
 Lumens: 1876
 LPW: 71
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	11154
5°	9641
15°	2938
25°	345
35°	40
45°	6

36° Flood (36)

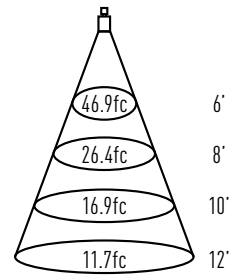


Watts: 26.4
 Lumens: 1809
 LPW: 69
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	5302
5°	5217
15°	3025
25°	821
35°	142
45°	14

50° Wide Flood (50)



Watts: 26.3
 Lumens: 1457
 LPW: 55
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	1688
5°	1718
15°	1588
25°	999
35°	424
45°	121