

MXG2DSTR

3.5" MX G2 TunableWhite Square Lensed Downlight - Wet Location

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

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

- Multiple dimming drivers available
- (Non-IC) 120V or 277V input; Power factor >.9 50/60Hz
- (-IC/-CP) Universal 120V/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% (IC w/ TW1 requires remote box)

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. Trim is available with solite, clear tempered or frosted lens, must specify. Trims available in 1-1/2" regress for greater visual comfort or 1/2" regress for consistent look throughout space.

INSTALLATION

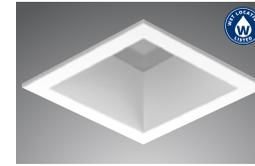
Housing types include IC Air-Tight, CCEA (Chicago Plenum), or Non-IC Rated (must specify). Non-IC rated housings must be kept at a minimum of 3" away from insulation. Butterfly brackets are compatible with C-channel, adjustable bar hangers (14"-25") and EMT. C-channel is recommended for T-bar ceilings.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

REMOTE BOX

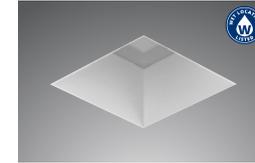
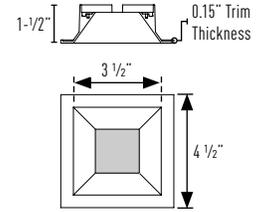
- Remote box included when required by specification
- Galvanized steel construction
- Separate line voltage and low voltage wiring compartments
- 50ft remote distance maximum

LISTING / WARRANTY

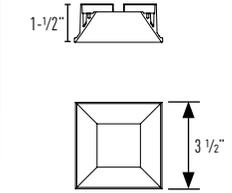
- 5-Year Intense LED Limited Warranty
- ETL listed to US and Canadian standards for wet locations
- (-IC Only) Air-Tight Certified ASTM E283
- (-IC Only) ETL listed for direct contact w/insulation



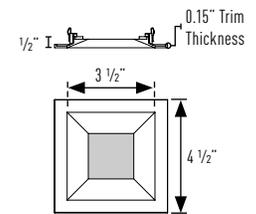
MXTG2-STRD302
(1-1/2" Regress with Lens)



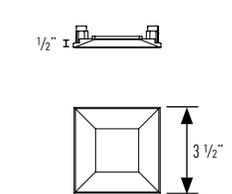
MXTG2-STLD302
(1-1/2" Regress with Lens)



MXTG2-STRR302
(1/2" Regress with Lens)



MXTG2-STLR302
(1/2" Regress with Lens)



Available Trim Finishes:



Housing Part Number (Example: MXG2DSTR-ICTW05-ED10V01)

Housing Type	Ceiling Thickness	Wattage	Dimming	Voltage
MXG2DSTR-NC (Non-IC)	blank (5/8") EC1 (1")	TW05 (8W) TW0 (11W)	-ED10V01¹ (eldoLED Dual Drive 2CH 0-10V 0.1%) -LUTT¹ (Lutron® T Series 1%)	blank (Non-IC: 120V; -IC/-CP: 120V/277V)
MXG2DSTR-IC (Air-Tight IC)	EC2 (2")	TW1 (17W)	-DMXR¹ (DMX512 RDM 8-bit 0.1%) -DALI6² (eldoLED Dual Drive DALI DT6 0.1%) -DALI8² (eldoLED Dual Drive DALI DT8 0.1%)	27 (277V Non-IC Only; For -IC/-CP housing options use blank)

Bar Hangers

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

Mud Ring

- MXS-MR¹** (Square Trimless Mud Ring)

Trim Part Number (Example: MXTG2-STRD302W-SFTWSP-SL)

Trim	Trim Finish	Trim Type	CCT Range	Optic	Lens
MXTG2-STRD302 (1-1/2" Lensed Regress Trimmed)	W (White) B⁴ (Black)	-SF (Self Flanged) -SFW⁴ (Self Flanged White)	TW (2700K-6500K)	SP (14° SP) NF (26° NFL)	-SL (Solite) -CR (Clear Tempered)
MXTG2-STLD302¹ (1-1/2" Lensed Regress Trimless)	SN⁴ (Satin Nickel) AB⁴ (Antique Bronze)	blank ³ (Trimless, for use with mud ring only)		FL (30° FL) WF (45° WFL)	-FR (Frosted)
MXTG2-STRR302 (1/2" Lensed Regress Trimmed)					
MXTG2-STLR302¹ (1/2" Lensed Regress Trimless)					

Notes:

- AIC 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

MX DOWNLIGHTING LHM-0213:25 P.26

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.

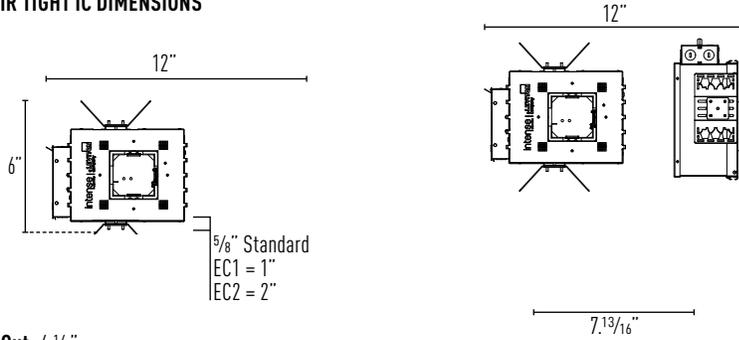
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MXG2DSTR

3.5" MX G2 TunableWhite Square Lensed Downlight - Wet Location

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

NON-IC & AIR TIGHT IC DIMENSIONS

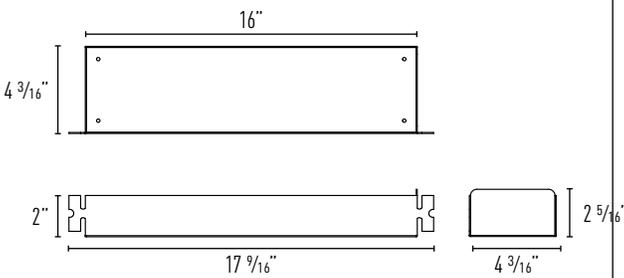


Plaster Frame Accommodation

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

Ceiling Cut Out: 4 1/8"

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.

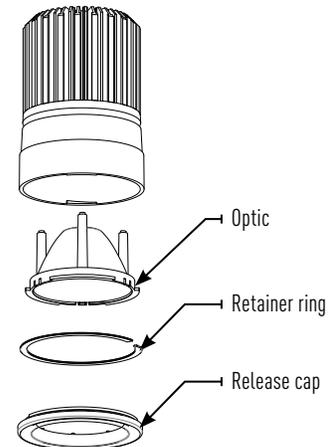
Lumen Package	System Wattage		
	CCT	120V	277V
TW05 (500lm)	2700K	8W	10W
	3500K	8W	9W
	6000K	7W	8W
TW0 (750lm)	2700K	13W	14W
	3500K	11W	12W
	6000K	10W	12W
TW1 (1000lm)	2700K	21W	22W
	3500K	17W	18W
	6000K	16W	17W

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-STRD302WLO-CR

Report #: ILL-02102016-10.3 (12)
 ILL-02102016-09.3 (24)
 ILL-02182016-03.3 (36)
 ILL-02122016-05.3 (50)

MXTG2-STRD302

Ceiling Thickness Multipliers:
 5/8" Thickness (x 1.00)
 1" Thickness (x 0.86)
 2" Thickness (x 0.71)

MXTG2-STRR302

Ceiling Thickness Multipliers:
 5/8" Thickness (x 0.93)
 1" Thickness (x 0.80)
 2" Thickness (x 0.59)

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)

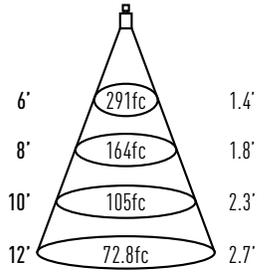
LENS MULTIPLIERS:

Solite	(x 0.92)
Clear	(x 1.00)
Frosted	(x 0.92)

EMERGENCY MULTIPLIER:

7W Emergency (x 0.70)

12° Spot (12)

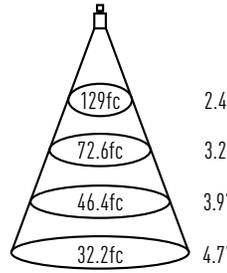


Watts: 10
 Lumens: 613
 LPW: 61
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	10487
5°	5786
15°	386
25°	85
35°	31
45°	5

24° Narrow Flood (24)

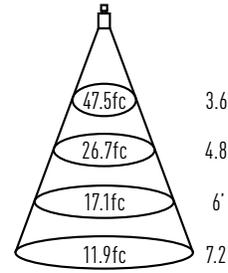


Watts: 10
 Lumens: 707
 LPW: 71
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	4643
5°	3846
15°	1041
25°	131
35°	18
45°	3

36° Flood (36)

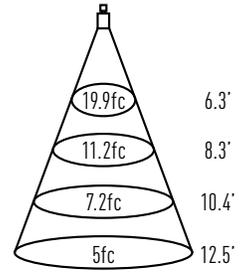


Watts: 10
 Lumens: 714
 LPW: 71
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	1712
5°	1740
15°	1212
25°	435
35°	79
45°	7

50° Wide Flood (50)



Watts: 10
 Lumens: 644
 LPW: 64
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	718
5°	716
15°	669
25°	427
35°	178
45°	50

MXTG2-STRD302WL1-CR

Report #: ILL-02102016-10.2 (12)
 ILL-02102016-09.2 (24)
 ILL-02182016-03.2 (36)
 ILL-02122016-05.2 (50)

MXTG2-STRD302

Ceiling Thickness Multipliers:
 5/8" Thickness (x 1.00)
 1" Thickness (x 0.86)
 2" Thickness (x 0.71)

MXTG2-STRR302

Ceiling Thickness Multipliers:
 5/8" Thickness (x 0.93)
 1" Thickness (x 0.80)
 2" Thickness (x 0.59)

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)

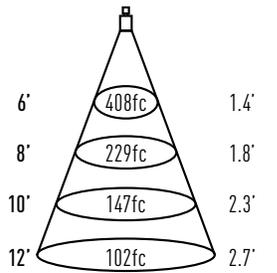
LENS MULTIPLIERS:

Solite	(x 0.92)
Clear	(x 1.00)
Frosted	(x 0.92)

EMERGENCY MULTIPLIER:

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

12° Spot (12)

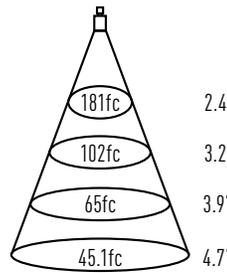


Watts: 15.5
 Lumens: 858
 LPW: 55
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	14682
5°	8100
15°	540
25°	119
35°	44
45°	7

24° Narrow Flood (24)

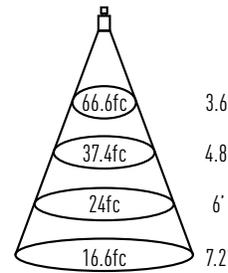


Watts: 15.4
 Lumens: 989
 LPW: 64
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	6501
5°	5384
15°	1457
25°	183
35°	25
45°	4

36° Flood (36)

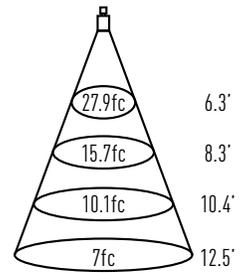


Watts: 15.6
 Lumens: 1000
 LPW: 64
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	2396
5°	2436
15°	1697
25°	609
35°	110
45°	9

50° Wide Flood (50)



Watts: 15.5
 Lumens: 901
 LPW: 58
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	1005
5°	1002
15°	936
25°	598
35°	249
45°	70

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

MXTG2-STRD302WL2-CR

Report #: ILL-02102016-10.1 (12)
 ILL-02102016-09.1 (24)
 ILL-02182016-03.1 (36)
 ILL-02122016-05.1 (50)

MXTG2-STRD302

Ceiling Thickness Multipliers:
 5/8" Thickness (x 1.00)
 1" Thickness (x 0.86)
 2" Thickness (x 0.71)

MXTG2-STRR302

Ceiling Thickness Multipliers:
 5/8" Thickness (x 0.93)
 1" Thickness (x 0.80)
 2" Thickness (x 0.59)

CCT MULTIPLIERS:

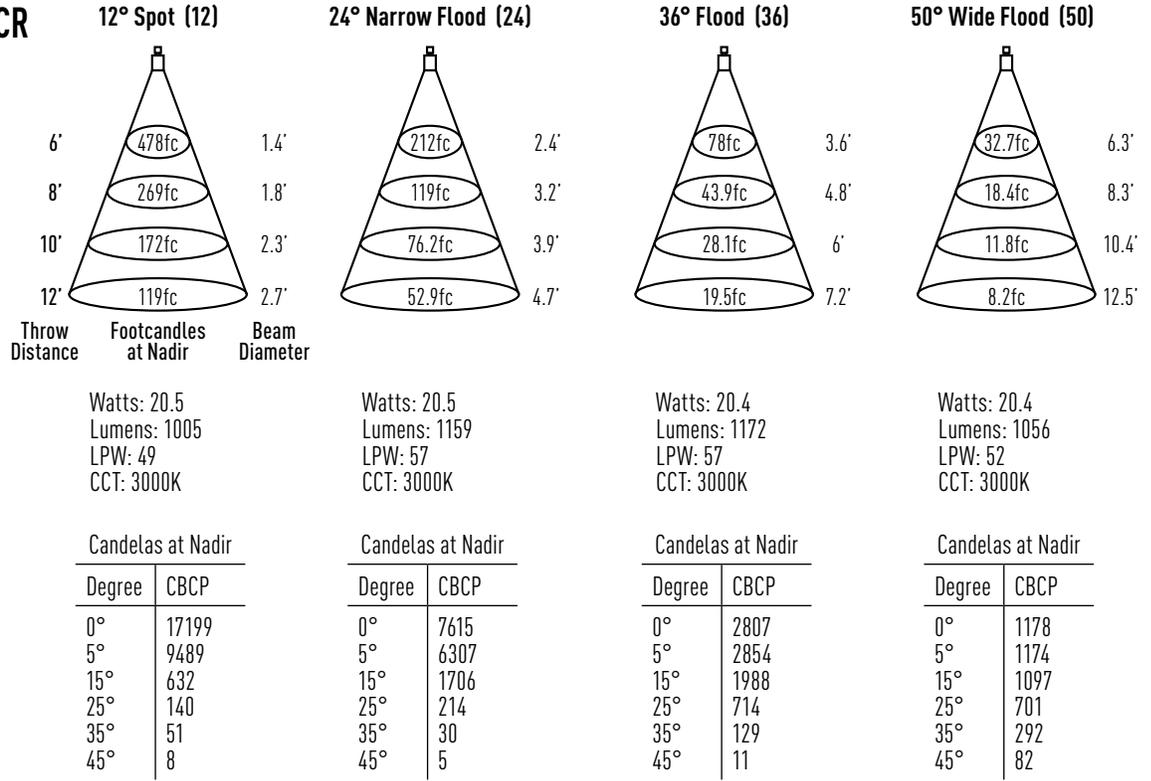
	82 CRI	92 CRI
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4100K	(x 1.00)	(x 0.87)

LENS MULTIPLIERS:

Solite (x 0.92)
 Clear (x 1.00)
 Frosted (x 0.92)

EMERGENCY MULTIPLIER:

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



Candelas at Nadir

Degree	CBCP
0°	17199
5°	9489
15°	632
25°	140
35°	51
45°	8

Candelas at Nadir

Degree	CBCP
0°	7615
5°	6307
15°	1706
25°	214
35°	30
45°	5

Candelas at Nadir

Degree	CBCP
0°	2807
5°	2854
15°	1988
25°	714
35°	129
45°	11

Candelas at Nadir

Degree	CBCP
0°	1178
5°	1174
15°	1097
25°	701
35°	292
45°	82

MXTG2-STRD302WL3-CR

Report #: ILL-02102016-10.2 (12)
 ILL-02102016-09.2 (24)
 ILL-02182016-03.2 (36)
 ILL-02122016-05.2 (50)

MXTG2-STRD302

Ceiling Thickness Multipliers:
 5/8" Thickness (x 1.00)
 1" Thickness (x 0.86)
 2" Thickness (x 0.71)

MXTG2-STRR302

Ceiling Thickness Multipliers:
 5/8" Thickness (x 0.93)
 1" Thickness (x 0.80)
 2" Thickness (x 0.59)

CCT MULTIPLIERS:

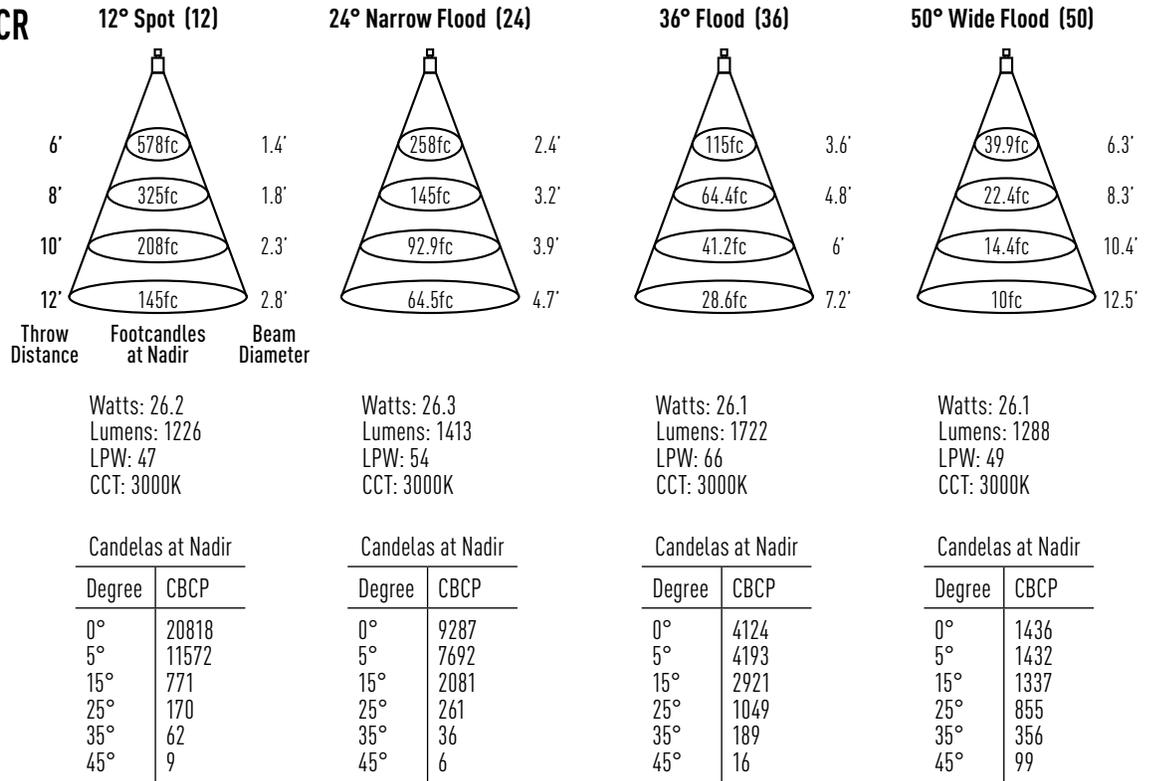
	82 CRI	92 CRI
2700K	(x 0.93)	(x 0.76)
3000K	(x 1.00)	(x 0.87)
3500K	(x 1.00)	(x 0.87)
4100K	(x 1.00)	(x 0.87)

LENS MULTIPLIERS:

Solite (x 0.92)
 Clear (x 1.00)
 Frosted (x 0.92)

EMERGENCY MULTIPLIER:

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



Candelas at Nadir

Degree	CBCP
0°	20818
5°	11572
15°	771
25°	170
35°	62
45°	9

Candelas at Nadir

Degree	CBCP
0°	9287
5°	7692
15°	2081
25°	261
35°	36
45°	6

Candelas at Nadir

Degree	CBCP
0°	4124
5°	4193
15°	2921
25°	1049
35°	189
45°	16

Candelas at Nadir

Degree	CBCP
0°	1436
5°	1432
15°	1337
25°	855
35°	356
45°	99