

Project:	Type:
Product Code:	Date:

V071326



8" to 4" Retrofit Conversion Kit for Non-IC Installations

Upgrade the Aesthetic Converts existing 6" - 8" recessed housings to 4" flanged or flangeless fixtures

Architectural-Grade Deep die-cast aluminum trim provides unmatched finish and performance

Enhanced Dimming Smooth, flicker free dimming down to 1% and below with most 0-10V or TRIAC/ELV dimming controls

INSTALLATION

Application *

Retrofit of existing 6" - 8" housings

* Can be used in an existing housing having minimum volume 50 cubic inch or larger.

Ceiling Material

Drywall

TRIMS

Style

Standard, Hyperbolic, Pinhole, Wall Wash/Sloped Ceiling, Decorative, Flangeless

Finish

White, Black, Bronze, Clear Diffuse, Custom Color (RAL Colors)

MAINTENANCE

LED chip integrated in module; driver embedded or externally connected via detachable touch-safe cable. Plug-and-play, tool-free serviceability and replacement from below ceiling.

LIGHT OUTPUT & DISTRIBUTION

Module

Downlight, Adjustable

Adjustment

360° rotation, 40° tilt

Lumens (Power)

750 lm (9.5W), 1000 lm (12.5W), 1250 lm (14.3W), 1500 lm (14.3W), 2000 lm (24.5W), 2500 lm (27.5W), 3000 lm (34.0W), 3500 lm (40.5W)

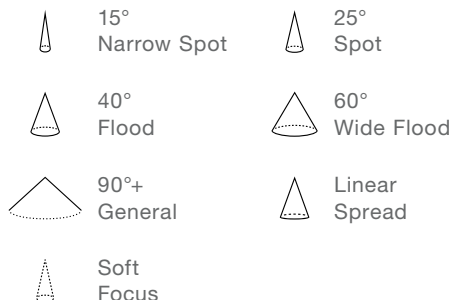
Color Quality

93 CRI, 2-step SDCM

Color Temperature

2400K 2700K 3000K
3500K 4000K
Warm Dim (3000K-1800K)

Beam Spread



POWER & CONTROLS

Input Voltage

120 / 277V

Dimming

TRIAC/ELV (1%, 120V only)
0-10V (1%)

RATINGS & CERTIFICATIONS

Module and Trim

UL Listed for Wet Location ¹

RoHS Compliant

NSF Listed ²

DarkSky Approved

¹ Fixed Modules with flanged trims under covered ceilings only

² White and Black finish only

WARRANTY

5 year limited warranty; 50,000 hours



Declare.



DARKSKY APPROVED
Reduces light pollution
Certified by DarkSky.org



DMF LightSpeed
Our Quickest Shipping Selections are Highlighted for shipping in **2 days or less**
All other items qty 100 or less ship in 5 days or less (custom color excluded)

M Series

8" to 4" Retrofit Conversion Kit
for Non-IC Installations

PRODUCT BUILDER - ROUND DOWNLIGHT - TRIAC DIMMING

RETROFIT CONVERSION KIT (ONE KIT REQUIRED PER FIXTURE INSTALLATION)

EXAMPLE: **M4KRRETRO**

PRODUCT CODE	
M4KRRETRO	
M4KRRETRO	8" to 4" Retrofit Conversion Kit

HOUSING ADAPTOR (REQUIRED)

EXAMPLE: **M4KJBADAPTORT**

DIMMING	
M4KJBADAPTORT	
M4KJBADAPTORT	Junction Box Adaptor (TRIAC/ELV)

4" DOWNLIGHT MODULE

EXAMPLE: **DRD2M10930GAT**

PRODUCT CODE		LUMENS		CRI		CCT ¹		BEAM SPREAD		DIMMING	
DRD2M				9						T	
DRD2M	Downlight	07	750 lm	9	93 CRI	24	2400K ²	GA	General Ambient (90°+)	T	TRIAC/ELV
		10	1000 lm			27	2700K	NS	Narrow Spot (15°) ⁴		
		12	1250 lm			30	3000K	SP	Spot (25°)		
		15	1500 lm			35	3500K	FL	Flood (40°)		
						40	4000K	WF	Wide Flood (60°)		
						3W	Warm Dim (3000K– 1800K) ³	LS	Linear Spread (40° x 20°)		
								SF	Soft Focus		

¹ DarkSky approved only applicable to configurations with CCT Options
3000K or less and not compatible with decorative trims
² Only available in 750 or 1000lm

³ Only available in 1000 lm
⁴ Not available in Warm Dim

4" ROUND TRIM

EXAMPLE: **M4TRSWH**

PRODUCT CODE		FINISH		OPTION	
M4TRS	Standard	WH	White	[Blank]	None
M4TRH	Hyperbolic ⁵	BK	Black	DOF	Decorative: Open, Frosted ⁷
M4TRP	Pinhole ⁵	BZ	Bronze	DCC	Decorative: Closed, Clear, Frosted Side ⁷
M4TRL	Wall Wash/Sloped Ceiling ⁶	CW	Clear Diffuse, White Flange	DCCF	Decorative: Closed, Clear, Frosted Inside ⁷
		CC	Custom Color (RAL Colors)	FL	Flangeless ⁸

⁵ Not available in Bronze or Clear Diffuse finish
⁶ Not available in Bronze finish; Recommended with the General Ambient Beam Spread for general wall washing and Spot Beam Spread for Sloped Ceiling

⁷ Only available for General Ambient beam spread and available in Standard style, White finish
⁸ Not available in Clear Diffuse finish; Bronze finish only available in Standard style



DMF LightSpeed
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M Series

8" to 4" Retrofit Conversion Kit
for Non-IC Installations

PRODUCT BUILDER - ROUND DOWNLIGHT - 0-10V DIMMING

RETROFIT CONVERSION KIT (ONE KIT REQUIRED PER FIXTURE INSTALLATION)

EXAMPLE: **M4KRRETRO**

PRODUCT CODE	
M4KRRETRO	
M4KRRETRO	8" to 4" Retrofit Conversion Kit

HOUSING ADAPTOR (REQUIRED)

EXAMPLE: **M4KJBADAPTOR**

DIMMING	
M4KJBADAPTOR	
M4KJBADAPTOR	Junction Box Adaptor (0-10V)

4" DOWNLIGHT MODULE

EXAMPLE: **MD10930GAO**

PRODUCT CODE		LUMENS		CRI		CCT ¹		BEAM SPREAD		DIMMING	
MD				9						O	
MD	Downlight	07	750 lm	9	93 CRI	24	2400K ²	GA	General Ambient (90°+) ⁴	O	0-10V
		10	1000 lm			27	2700K	NS	Narrow Spot (15°) ⁴		
		12	1250 lm			30	3000K	SP	Spot (25°)		
		15	1500 lm			35	3500K	FL	Flood (40°)		
		20	2000 lm			40	4000K	WF	Wide Flood (60°)		
		25	2500 lm			3W	Warm Dim (3000K– 1800K) ³				
		30	3000 lm								
		35	3500 lm								

¹ DarkSky approved only applicable to configurations with CCT Options 3000K or less and not compatible with DecorativeTrims

² Only available in 1000 lm; Not available in NS beam spread

³ Only available in 1000lm and below

⁴ Only available in 750 lm - 2000 lm

4" ROUND TRIM

EXAMPLE: **M4TRSWH**

PRODUCT CODE		FINISH		OPTION	
M4TRS	Standard	WH	White	[Blank]	None
M4TRH	Hyperbolic ⁵	BK	Black	DOF	Decorative: Open, Frosted ^{7,8}
M4TRP	Pinhole ⁵	BZ	Bronze	DCC	Decorative: Closed, Clear, Frosted Side ^{7,8}
M4TRL	Wall Wash/Sloped Ceiling ⁶	CW	Clear Diffuse, White Flange	DCCF	Decorative: Closed, Clear, Frosted Inside ^{7,8}
		CC	Custom Color (RAL Colors)	FL	Flangeless ⁹

⁵ Not available in Bronze or Clear Diffuse finish

⁶ Not available in Bronze finish. Recommended with the General Ambient Beam Spread for general wallwashing and Spot Beam Spread for Sloped Ceiling

⁷ Only available for General Ambient beam spread and available in Standard style, White finish

⁸ Only available in 750 - 1500 lm

⁹ Not available in Clear Diffuse finish



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M Series

8" to 4" Retrofit Conversion Kit
for Non-IC Installations

PRODUCT BUILDER - ROUND ADJUSTABLE - 0-10V DIMMING

RETROFIT CONVERSION KIT (ONE KIT REQUIRED PER FIXTURE INSTALLATION)

EXAMPLE: **M4KRRETRO**

PRODUCT CODE	
M4KRRETRO	
M4KRRETRO	8" to 4" Retrofit Conversion Kit

HOUSING ADAPTOR (REQUIRED)

EXAMPLE: **M4KJBADAPTOR**

DIMMING	
M4KJBADAPTOR	
M4KJBADAPTOR	Junction Box Adaptor (0-10V)

LIGHT MODULE

EXAMPLE: **MA10930FLO**

PRODUCT CODE		LUMENS		CRI		CCT		BEAM SPREAD		DIMMING	
MA				9						O	
MA	Adjustable Module	07	750 lm	9	93 CRI	24	2400K ¹	NS	Narrow Spot (15°) ³	O	0-10V
		10	1000 lm			27	2700K	SP	Spot (25°)		
		12	1250 lm			30	3000K	FL	Flood (40°)		
		15	1500 lm			35	3500K	NH	Narrow Spot Hexcell Louver ³		
		20	2000 lm			40	4000K	SH	Spot Hexcell Louver ⁴		
		25	2500 lm			3W	Warm Dim (3000–1800K) ²	FH	Flood Hexcell Louver ⁴		
		30	3000 lm								
		35	3500 lm								

¹ Only available 750 lm - 1000 lm

³ Only available 750 lm - 2000 lm

² Only available in 1000 lm; Not Available in NS beam spread

⁴ Not available in 3500 lm

4" ROUND TRIM

EXAMPLE: **M4TRSWH**

PRODUCT CODE		FINISH		OPTION	
M4TRS	Standard	WH	White	[Blank]	None
M4TRH	Hyperbolic ⁵	BK	Black	FL	Flangeless ⁷
M4TRP	Pinhole ^{5,6}	BZ	Bronze		
		CW	Clear Diffuse, White Flange		
		CC	Custom Color (RAL Colors)		

⁵ Not available in Bronze or Clear Diffuse finish

⁶ Only available in 750 - 1500 lm

⁷ Not available in Clear Diffuse finish



PRODUCT BUILDER

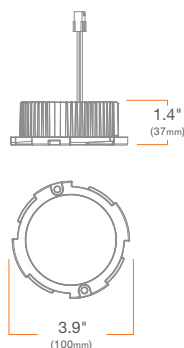
LOOSE OPTICS ACCESSORIES

PRODUCT CODE	
DRD2X-GA	Fixed Conversion Kit: 4" Downlight Module to General Ambient (90°+)
DRD2X-NS	Fixed Narrow Spot (15°)
DRD2X-SP	Fixed Spot (25°)
DRD2X-FL	Fixed Flood (40°)
DRD2X-WF	Fixed Wide Flood (60°)
DRD2X-LS	Fixed Linear Spread (40° x 20°)
DRD2X-SF	Fixed Soft Focus
DRD2X-OP	Fixed Optics Kit: Narrow Spot (15°), Spot (25°), Flood (40°), Wide Flood (60°), Linear Spread (40° x 20°), Soft Focus
MDLX-GA	Low Lumen (750-2000LM) Downlight Optic GA 90° Beam Spread
MDLX-NS	Low Lumen (750-2000LM) Downlight Optic NS 15° Beam Spread
MDLX-SP	Low Lumen (750-2000LM) Downlight Optic SP 25° Beam Spread
MDLX-FL	Low Lumen (750-2000LM) Downlight Optic FL 40° Beam Spread
MDLX-WF	Low Lumen (750-2000LM) Downlight Optic WF 60° Beam Spread
MDHX-SP	High Lumen (2500-3500LM) Downlight Optic SP 25° Beam Spread
MDHX-FL	High Lumen (2500-3500LM) Downlight Optic FL 40° Beam Spread
MDHX-WF	High Lumen (2500-3500LM) Downlight Optic WF 60° Beam Spread
MALX-NS	Low Lumen (750LM-2000LM) Adjustable Optic NS 15 Degree Beam Spread
MALX-SP	Low Lumen (750LM-2000LM) Adjustable Optic SP 25 Degree Beam Spread
MALX-FL	Low Lumen (750LM-2000LM) Adjustable Optic FL 40 Degree Beam Spread
MALX-NH	Low Lumen (750LM-2000LM) Adjustable Optic NS 15 Degree Beam Spread with Hexcell Louver
MALX-SH	Low Lumen (750LM-2000LM) Adjustable Optic SP 25 Degree Beam Spread with Hexcell Louver
MALX-FH	Low Lumen (750LM-2000LM) Adjustable Optic FL 40 Degree Beam Spread with Hexcell Louver
MAHX-SP	High Lumen (2500LM-3500LM) Adjustable Optic SP 25 Degree Beam Spread
MAHX-FL	High Lumen (2500LM-3500LM) Adjustable Optic FL 40 Degree Beam Spread
MAHX-SH	High Lumen (2500LM-3500LM) Adjustable Optic SP 25 Degree Beam Spread with Hexcell Louver
MAHX-FH	High Lumen (2500LM-3500LM) Adjustable Optic FL 40 Degree Beam Spread with Hexcell Louver

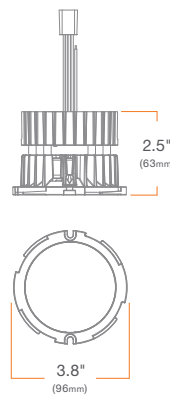
MODULE



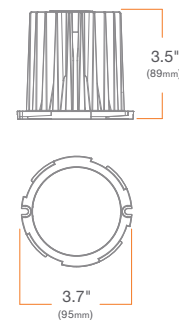
750-1500



2000



2500+



SUMMARY

	STATIC CCT	WARM DIM
CCT	2400K, 2700K, 3000K, 3500K, 4000K	3000K - 1800K
LUMENS (POWER)	750 lm (9.5W), 1000 lm (12.5W), 1250 lm (14.3W), 1500 lm (14.3W), 2000 lm (24.5W), 2500 lm (27.5W), 3000 lm (34.0W), 3500 lm (40.5W)	1000 lm (12.5W)
EFFICACY	79 lm/W, 80 lm/W, 87 lm/W, 105 lm/W, 82 lm/W, 91 lm/W, 88 lm/W, 86 lm/W	80 lm/W
COLOR QUALITY	93 CRI ¹ , 2-step SDCM	93 CRI ¹ , 2-step SDCM
BEAM SPREAD	General Ambient (90°+), Narrow Spot (15°), Spot (25°), Flood (40°), Wide Flood (60°), Linear Spread (40 x20), Soft Focus	General Ambient (90°+), Spot (25°), Flood (40°), Wide Flood (60°), Linear Spread (40 x20), Soft Focus
DIMMING	0-10V, TRIAC/ELV ²	0-10V, TRIAC/ELV ²
LED CHIP	Bridgelux (2400K), Cree (All other CCT)	Bridgelux
LISTINGS	ENERGY STAR® qualified ³ , California Title 24 2016-2022 JA8-E Compliant, UL Listed for Wet Location (Under covered ceilings only), UL Certified US•CA, Declare, RoHS Compliant, NSF/ANSI 2 listed, suitable for splash zone ⁴ , Shatter-resistant construction, DarkSky Approved ⁵ , Compliant to FCC Title 47 Part 15; Class B, Compliant with NEC 300.14	

¹ Tested in accordance to IESNA LM-79-2008² Dimming at 120V Only³ Refer to ENERGY STAR Certified light fixtures database⁴ White and Black Finish only⁵ DarkSky Approved is only applicable to CCT Options less than or equal to 3000K

ADDITIONAL

INPUT VOLTAGE: 120/277V, 50/60Hz**MAX INPUT CURRENT (120V):** 0.350 amps**MAX INPUT CURRENT (277V):** 0.165 amps**AC CONNECTOR:** 6 pin Molex, Powerplug(R) Luminaire Disconnect Model 182**DC CONNECTOR:** Male 4-Pin Low Voltage Connector**POWER FACTOR:** Greater than 0.9**TOTAL HARMONIC DISTORTION:** Less than 20%**AMBIENT OPERATING TEMPERATURE:** -20°C to 40°C**WARRANTY:** 5 year limited warranty; 50,000 hours at 70% lumen maintenance

DOWNLIGHT MODULE PERFORMANCE

Based on 93 CRI, 3000K Module + STD White Trim (M4TRSWH)

(Please refer to IES files for other trim types)

		STATIC CCT							WARM DIM	
LED CHIP		Bridgelux 93 CRI (2400K), Cree 93 CRI (All other CCT)							Bridgelux 93 CRI	
SDCM		2-STEP								
PN DESIGNATION		07	10	12	15	20	25	30	35	10
WATTAGE		9.5W	12.5W	14.3W	14.3W	24.5W	27.5W	34.0W	40.5W	12.5W
NS	Lumens	718	983	1111	1278	2163	N/A			
	LPW ¹	75.5	78.6	77.7	77.4	90.1				
	CBCP ²	6227	8530	9639	11089	18766				
	UGR ³	13	14.1	14.5	15	16.8				
SP	Lumens	696	953	1077	1239	2097	2603	3044	3709	848
	LPW	73.2	76.2	75.3	75.1	87.4	94.7	89.5	91.6	67.9
	CBCP	2131	2919	3298	3795	6421	12861	15037	18327	2598
	UGR	13.2	14.3	14.7	15.2	17	12.2	12.8	13.5	13.8
FL	Lumens	685	939	1061	1221	2066	2545	2976	3627	836
	LPW	72.2	75.1	74.2	74	86.1	92.5	87.5	89.5	66.9
	CBCP	1196	1638	1851	2130	3604	9094	10634	12960	1458
	UGR	14.9	16	16.4	16.9	18.8	12.6	13.1	13.8	15.6
WF	Lumens	677.5	928	1049	1206	2042	2453	2868	3495.5	826
	LPW	71.3	74.2	73.3	73.1	85.1	89.2	84.4	86.3	66.1
	CBCP	696	953	1077	1239	2096	1926	2252	2745	848
	UGR	17.3	18.4	18.8	19.3	21.1	22.4	23	23.7	18
GA	Lumens	654	896	1012	1165	1971	N/A			797
	LPW	68.9	71.7	70.8	70.6	82.1				63.8
	CBCP	264	362	409	470	796				322
	UGR	22.1	23.2	23.6	24.1	25.9				22.8
		STATIC					WARM DIM			
CCT		2400K	2700K	3000K	3500K	4000K	1800K	3000K		
MULTIPLIER		0.80	0.93	1	1.05	1.07	0.05	1		

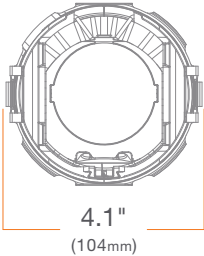
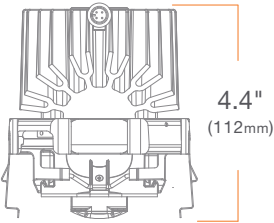
¹ LPW: Lumens per watt

² CBCP: Center beam candlepower

³ UGR: Unified glare ratio (0.7/0.5/0.2, 4H/8H)



MODULE



SUMMARY

	STATIC CCT	WARM DIM
CCT	2400K, 2700K, 3000K, 3500K, 4000K	3000K - 1800K
LUMENS (POWER)	750 lm (9.5W), 1000 lm (12.5W), 1250 lm (14.3W), 1500 lm (14.3W), 2000 lm (24.5W), 2500 lm (27.5W), 3000 lm (34.0W), 3500 lm (40.5W)	1000 lm (12.5W)
EFFICACY	79 lm/W, 80 lm/W, 87 lm/W, 105 lm/W, 82 lm/W, 91 lm/W, 88 lm/W, 86 lm/W	80 lm/W
COLOR QUALITY	93 CRI ¹ , 2-step SDCM	93 CRI ¹ , 2-step SDCM
BEAM SPREAD	Narrow Spot (15°), Spot (25°), Flood (40°)	Spot (25°), Flood (40°)
DIMMING	0-10V	0-10V
LED CHIP	Bridgelux (2400K), Cree (All other CCT)	Bridgelux
LISTINGS	ENERGY STAR® qualified ² , UL Listed for Damp Location (Under covered ceilings only), UL Certified US•CA, Declare, RoHS Compliant, Shatter-Resistant Construction, Compliant to FCC Title 47 Part 15; Class B, Compliant with NEC 300.14	

¹ Tested in accordance to IESNA LM-79-2008
² Refer to ENERGY STAR Certified light fixtures database

ADDITIONAL

INPUT VOLTAGE: 120/277V, 50/60Hz	POWER FACTOR: Greater than 0.9
MAX INPUT CURRENT (120V): 0.350 amps	TOTAL HARMONIC DISTORTION: Less than 20%
MAX INPUT CURRENT (277V): 0.165 amps	AMBIENT OPERATING TEMPERATURE: -20°C to 40°C
AC CONNECTOR: 6 pin Molex	WARRANTY: 5 year limited warranty; 50,000 hours at 70% lumen maintenance
DC CONNECTOR: Male 4-Pin Low Voltage Connector	

ADJUSTABLE MODULE PERFORMANCE

Based on 93 CRI, 3000K Module + STD White Trim (M4TRSWH)

(Please refer to IES files for other trim types)

		STATIC CCT							WARM DIM	
LED CHIP		Bridgelux 93 CRI (2400K), Cree 93 CRI (All other CCT)							Bridgelux 93 CRI	
SDCM		2-STEP								
PN DESIGNATION		07	10	12	15	20	25	30	35	10
WATTAGE		9.5W	12.5W	14.3W	14.3W	24.5W	27.5W	34.0W	40.5W	12.5W
NS	Lumens	794	1083	1227	1408	1949	N/A			
	LPW ¹	83.6	86.6	85.8	85.3	79.6				
	CBCP ²	4789	6530	7401	8489	11754				
	UGR ³	8.9	10	10.4	10.9	12				
SP	Lumens	760	1036	1174	1347	1864	2257	2778	3299	922
	LPW	80	82.9	82.1	81.6	76.1	82.1	81.7	81.4	73.7
	CBCP	2313	3154	3575	4100	5678	5805	7145	8485	2807
	UGR	11.3	12.4	12.8	13.3	14.4	14.9	15.6	16.2	12
FL	Lumens	646	881	999	1146	1586	2289	2817	3345	784
	LPW	68	70.5	69.9	69.4	64.8	83.2	82.9	82.6	62.8
	CBCP	1039	1417	1606	1842	2551	3908	4810	5712	1261
	UGR	6.8	7.9	8.3	8.8	9.9	12.7	13.4	14	7.5

		STATIC					WARM DIM	
CCT MULTIPLIER		2400K	2700K	3000K	3500K	4000K	1800K	3000K
		0.80	0.93	1	1.05	1.07	0.05	1

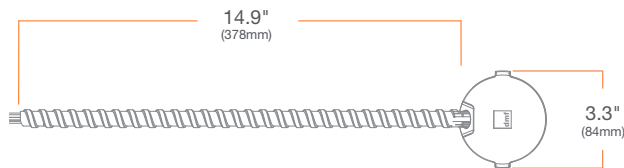
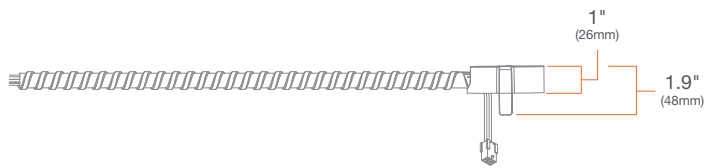
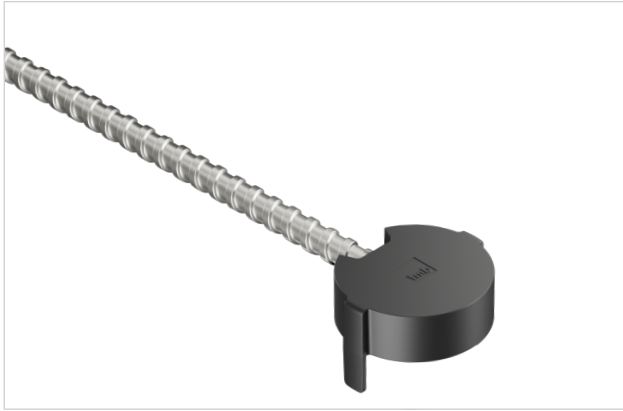
HEXCELL LOUVER MULTIPLIER	0.6
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¹ LPW: Lumens per watt

² CBCP: Center beam candlepower

³ UGR: Unified glare ratio (0.7/0.5/0.2, 4H/8H)

JUNCTION BOX ADAPTOR



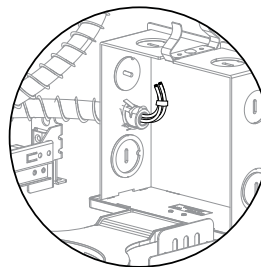
Junction Box Adaptor

M4KJBADAPTOR (0-10V)

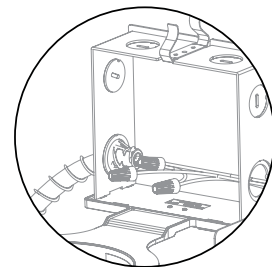
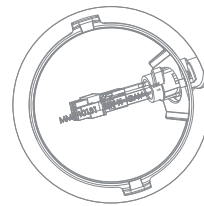
M4KJBADAPTORT (TRIAC/ELV)

SUMMARY

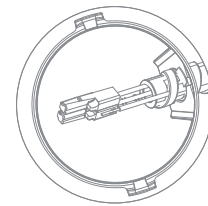
AC CONNECTOR: 6 Pin Molex (standard 0-10V). Power Plug
Luminaire Disconnect Model 182 (TRIAC/ELV)



0-10V



TRIAC

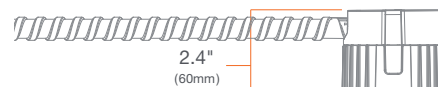


Total Height with Cap

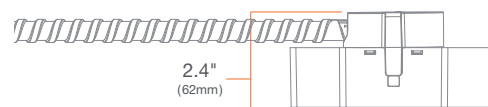
Embedded Driver (750 lm - 1500 lm)



**Supplemental Driver -
Low Lumen**



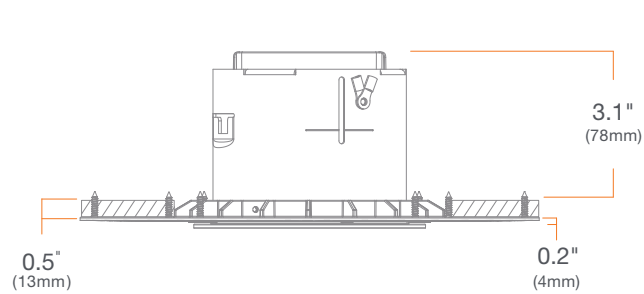
**Supplemental Driver -
High Lumen**



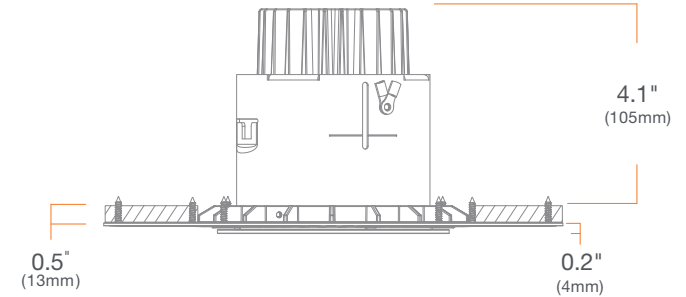
TOTAL HEIGHT IN PLENUM

Downlight

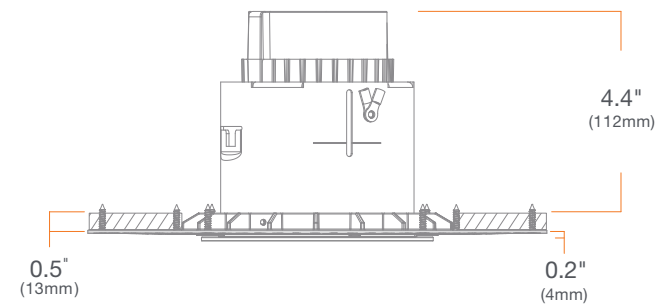
750LM-1500LM



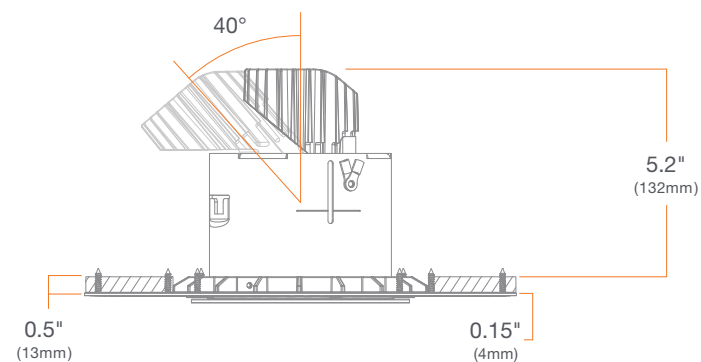
2500LM-3500LM



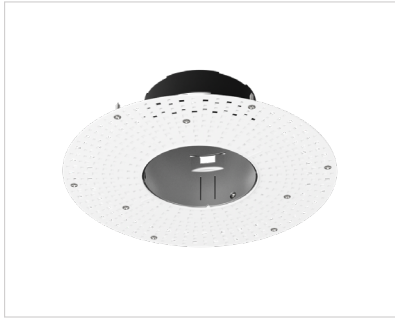
2000LM



Adjustable



RETROFIT KIT

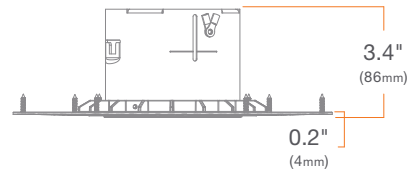
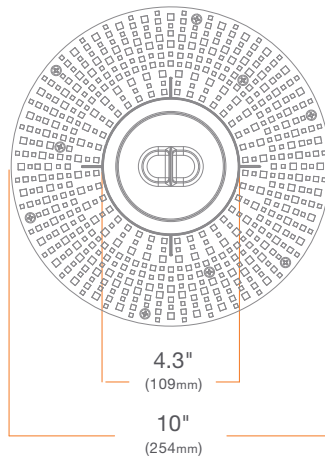


8" to 4" Retrofit Conversion Kit

M4KRRETRO

SUMMARY: Retrofit Conversion Kit (Used to convert existing 6" - 8" Fixtures to a 4" fixture)

CEILING: Can be installed in any ceiling thickness



ROUND TRIMS



4" Round Trims

M4TR

SUMMARY

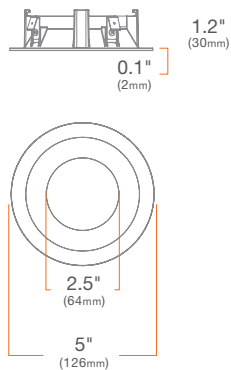
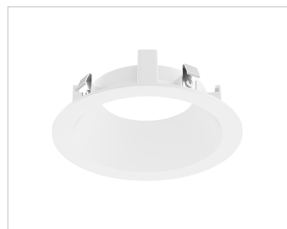
CONSTRUCTION: Die-cast aluminum

DECORATIVE: Acrylic diffuser

INSTALLATION: Twist & Lock

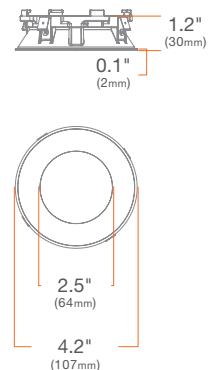
Standard

M4TRSWH



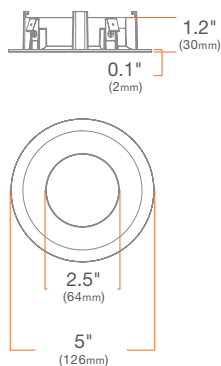
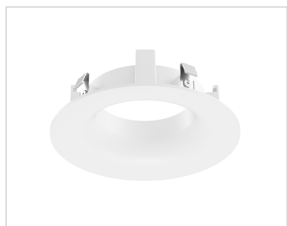
Standard Flangeless

M4TRSWHFL



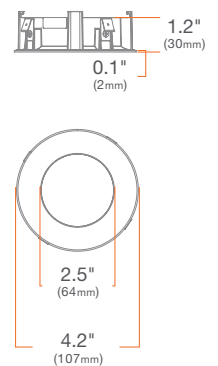
Hyperbolic Trim

M4TRHWH



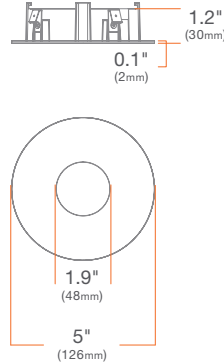
Hyperbolic Flangeless

M4TRHWHFL



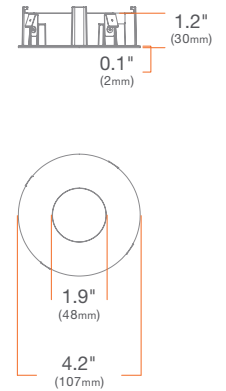
Pinhole

M4TRPWH



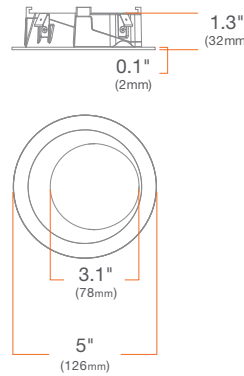
Pinhole Flangeless

M4TRPWHFL



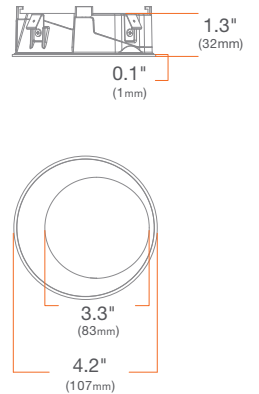
Wall Wash/Sloped Ceiling ¹

M4TRLWH



Wall Wash/Sloped Ceiling Flangeless ¹

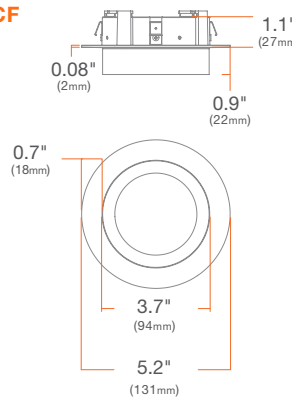
M4TRLWHFL



Decorative Closed ^{1,2}

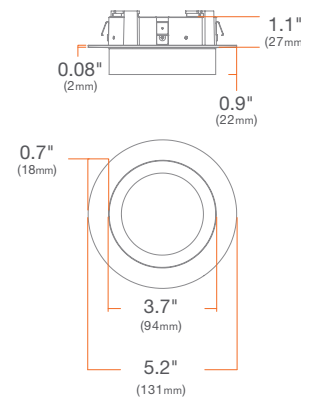
Clear, Frosted Inside: **M4TRSWHDCC**

Clear, Frosted Sides: **M4TRSWHDCCF**



Decorative Open ^{1,2}

Frosted: **M4TRSWHDOF**



¹ Compatible with Downlight Only

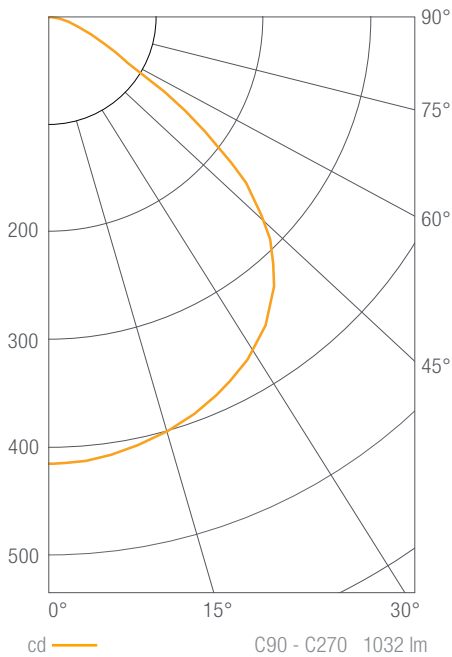
² IK10 Rated



PHOTOMETRY

DRD2/MD 1000 lm, 3000K, General Ambient

DRD2M10930GA/MD10930GA



Luminous Intensity

Gamma	C 0°
0°	416
5°	415
10°	410
15°	403
20°	394
25°	382
30°	369
35°	351
40°	327
45°	291
50°	240
55°	162
60°	84
65°	54
70°	33
75°	21
80°	12
85°	6
90°	1

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	333	32
0-40	557	54
0-60	942	91
0-90	1024	99
0-180	1032	100

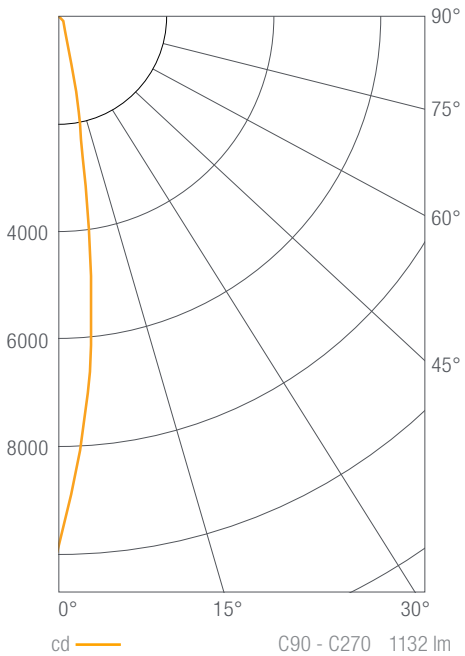
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	46	7.8'
6'	12	15.5'
9'	5	23.3'
12'	3	31.1'

Beam Angle: 100°

DRD2/MD 1000 lm, 3000K, Narrow Spot

DRD2M10930NS/MD10930NS



Luminous Intensity

Gamma	C 0°
0°	9823
5°	6600
10°	2335
15°	734
20°	357
25°	244
30°	195
35°	159
40°	116
45°	85
50°	61
55°	42
60°	28
65°	16
70°	7
75°	4
80°	2
85°	1
90°	0

Zonal Lumen Summary

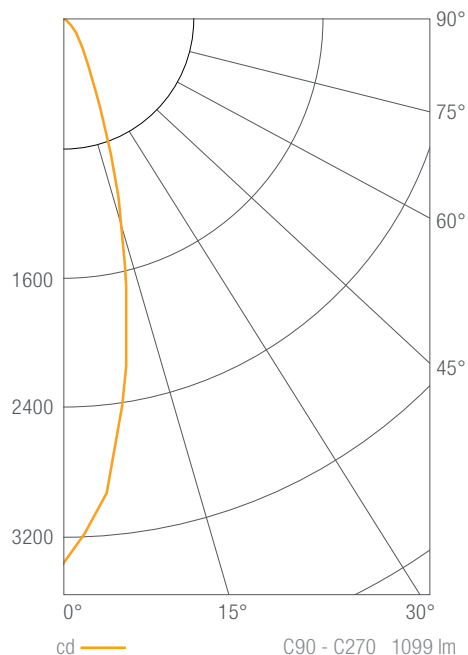
Zone	Lumens	Luminaire %
0-30	906	80
0-40	1004	89
0-60	1110	98
0-90	1131	100
0-180	1132	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	1091	0.7'
6'	273	1.5'
9'	121	2.2'
12'	68	2.9'

Beam Angle: 14°

PHOTOMETRY

DRD2/MD 1000 lm, 3000K, Spot**DRD2M10930SP/MD10930SP**

Luminous Intensity

Gamma	C 0°
0°	3366
5°	2967
10°	2203
15°	1391
20°	775
25°	419
30°	248
35°	167
40°	119
45°	87
50°	62
55°	43
60°	26
65°	15
70°	7
75°	4
80°	2
85°	1
90°	0

Values in candela

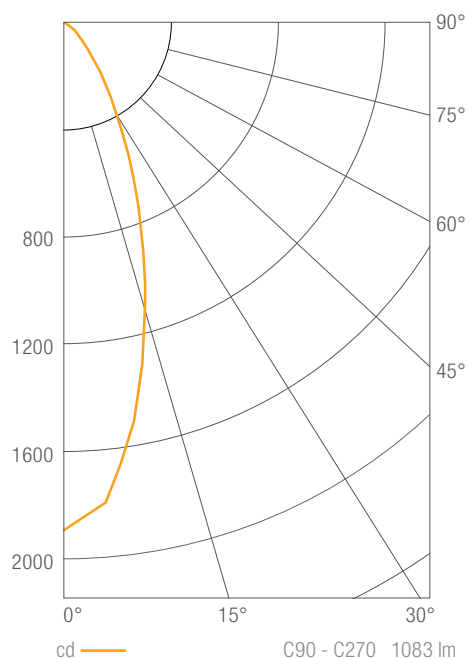
Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	862	78
0-40	971	88
0-60	1078	98
0-90	1098	100
0-180	1099	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	374	1.4'
6'	93	2.8'
9'	42	4.2'
12'	23	5.6'

Beam Angle: 26°

DRD2/MD 1000 lm, 3000K, Flood**DRD2M10930FL/MD10930FL**

Luminous Intensity

Gamma	C 0°
0°	1890
5°	1792
10°	1503
15°	1161
20°	849
25°	589
30°	391
35°	256
40°	162
45°	107
50°	74
55°	51
60°	30
65°	18
70°	8
75°	5
80°	3
85°	1
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	760	70
0-40	925	85
0-60	1058	98
0-90	1081	100
0-180	1083	100

Illuminance Chart

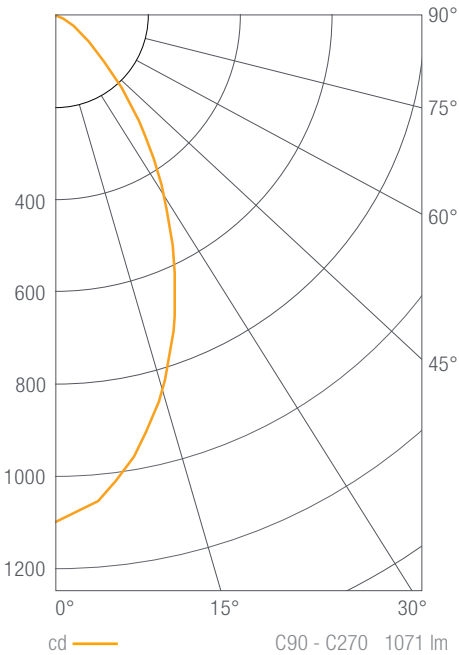
Distance from LED	Foot Candles	Diameter
3'	210	2.0'
6'	52	4.0'
9'	23	6.0'
12'	13	8.0'

Beam Angle: 37°

PHOTOMETRY

DRD2/MD 1000 lm, 3000K, Wide Flood

DRD2M10930WF/MD10930WF



Luminous Intensity

Gamma	C 0°
0°	1100
5°	1058
10°	973
15°	866
20°	743
25°	609
30°	478
35°	361
40°	252
45°	161
50°	102
55°	68
60°	41
65°	24
70°	11
75°	6
80°	4
85°	2
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	620	58
0-40	845	79
0-60	1037	97
0-90	1069	100
0-180	1071	100

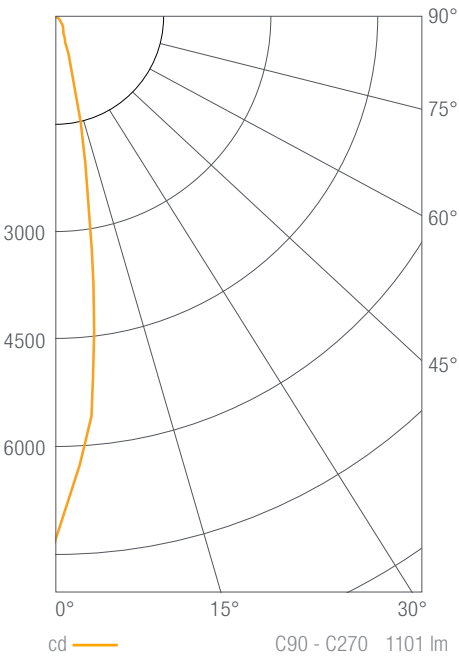
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	122	3.1'
6'	31	6.2'
9'	14	9.3'
12'	8	12.3'

Beam Angle: 55°

DRD2/MD 1000 lm, 3000K, Soft Focus

DRD2M10930SF/MD10930SF



Luminous Intensity

Gamma	C 0°
0°	7280
5°	5603
10°	2489
15°	875
20°	381
25°	247
30°	194
35°	161
40°	122
45°	90
50°	64
55°	45
60°	28
65°	16
70°	7
75°	4
80°	2
85°	1
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	868	79
0-40	968	88
0-60	1078	98
0-90	1100	100
0-180	1101	100

Illuminance Chart

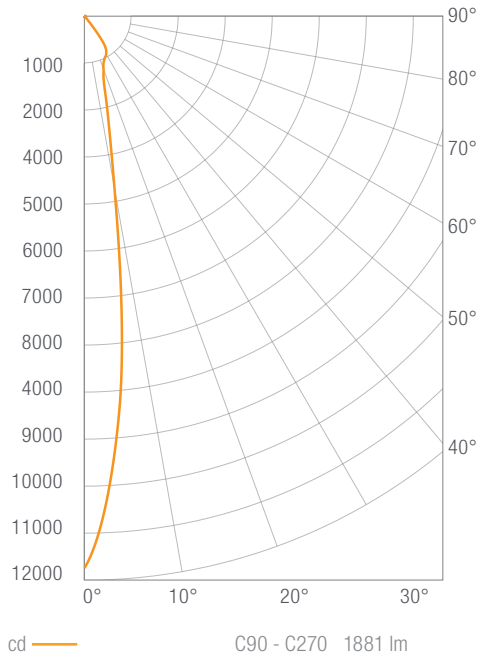
Distance from LED	Foot Candles	Diameter
3'	809	0.9'
6'	202	1.7'
9'	90	2.6'
12'	51	3.4'

Beam Angle: 16°

PHOTOMETRY

MA 2000 lm, 3000K, Narrow Spot

MA20930NS



Luminous Intensity

Gamma	C 0°
0°	11754
5°	8471
10°	3642
15°	1723
20°	1183
25°	1006
30°	925
35°	722
40°	94
45°	42
50°	24
55°	19
60°	15
65°	13
70°	10
75°	6
80°	4
85°	2
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	1544	82
0-40	1811	96
0-60	1861	99
0-90	1881	100
0-180	1881	100

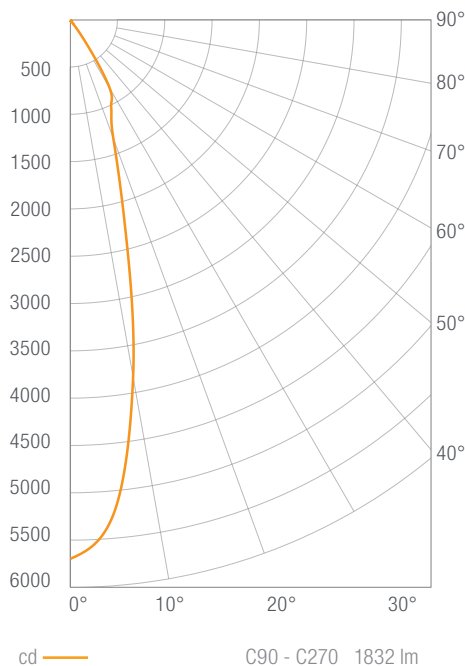
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	1306.0	0.8'
6'	326.5	1.6'
9'	145.1	2.4'
12'	81.6	3.2'

Beam Angle: 15° x 14°

MA 2000 lm, 3000K, Spot

MA20930SP



Luminous Intensity

Gamma	C 0°
0°	5678
5°	5225
10°	3811
15°	2213
20°	1327
25°	1020
30°	839
35°	291
40°	61
45°	38
50°	20
55°	11
60°	10
65°	8
70°	5
75°	3
80°	2
85°	0
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	1515	83
0-40	1777	97
0-60	1820	99
0-90	1832	100
0-180	1832	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	630.8	1.4'
6'	157.7	2.8'
9'	70.1	4.2'
12'	39.4	5.6'

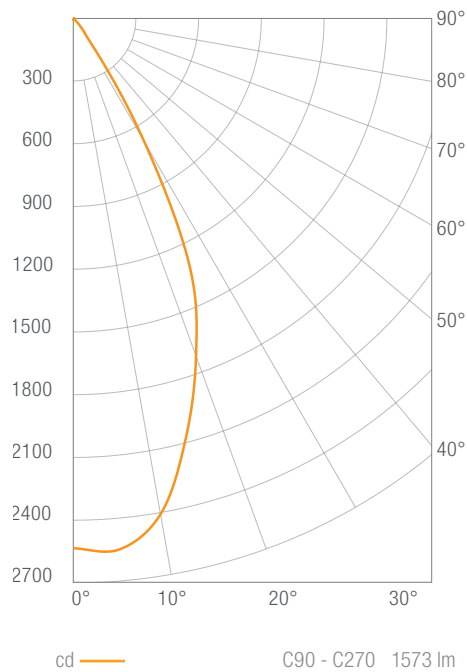
Beam Angle: 26° x 24°



PHOTOMETRY

MA 2000 lm, 3000K, Flood

MA20930FL



Luminous Intensity

Gamma	C 0°
0°	2537
5°	2551
10°	2408
15°	2079
20°	1716
25°	1325
30°	669
35°	174
40°	69
45°	29
50°	9
55°	4
60°	4
65°	2
70°	1
75°	1
80°	0
85°	0
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	1381	88
0-40	1540	98
0-60	1570	100
0-90	1573	100
0-180	1573	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	281.8	2.8'
6'	70.5	5.7'
9'	31.3	8.5'
12'	17.6	11.4'

Beam Angle: 51°