



Quantum is a family of extremely low brightness, highly performing round LED downlights suitable to illuminate both residential and commercial applications. A polycarbonate lens combined with optical components that have different levels of opacity guarantees a clean beam and optimal efficiency.

Quantum's organic reflector shape provides outstanding glare control while still assuring high efficacy of the luminaire.

- Fixture Body:** Powder Coated Aluminum 6026 (superior corrosion resistance)
- Trim:** Bezel, Round.
- Mounting:** Recessed ceiling.
- Dimensions/Weight:** 0.9" (0.1 lbs) – 1.7" (0.28 lbs) – 2.4" (0.88 lbs) – 3.3" (1.13 lbs)
- Driver:** Remote, 120-277V Dimmable 0-10V or Non-Dim.
- Operation:** Constant Current (CC)
- CC features:** Less susceptible to voltage drop (exceeding 32' distance); Allows for dimming down to 0.1%; Fixtures need to be wired in series.
- Wattages:** 2W (1.7" USP) – 3W (0.9") – 6.3W (1.7") – 10W (2.4") – 15W (3.3")
- Cable:** Fixture comes with 0.56' of power cable.

IP rating: IP44 (with an IP65 rating of the optical chamber). Fixture is protected against solid objects greater than 0.04" and against water splashes on the fixture trim or lens. Not suitable for Outdoor applications or direct water jets.

ETL Certification: ETL, damp location

Optics: Fixed (refer to Quantum Adjustable spec sheet for Adjustable version). Available in Ultra Spot – Spot – Narrow Flood – Flood – Medium Wide Flood – Wide Flood. Some variants can also mount Honeycomb louvers.

Color temperatures: 2700K – 3000K – 3500K – 4000K.

CRI: 92, (1.7", 2W 80 CRI)

Lumen Maintenance: L70 projections tested at Tj 65° C and Ta 25°.

Warranty: 5-year Limited Warranty on fixtures. 1-year Limited Warranty on Remote Drivers.

Contents	
2	product configurator
3	diagrams / drivers
5	photometry



0.9" (3W) 1.7" (2W / 6.3W)



2.4" (10W) 3.3" (15W)

Fixed Delivered Lumens*	0.9" (3W)	1.7" (2W)	1.7" (6.3W)	2.4" (10W)	3.3" (15W)
USP	–	123	–	–	–
SP	139	–	499	714	1096
NFL	130	–	398	710	–
FL	–	–	–	–	943
MWFL	134	–	–	578	789
WFL	–	–	412	–	–

*Values shown for 3000K and white finish

HoneyComb Delivered Lumens*	1.7" (6.3W)	2.4" (10W)	3.3" (15W)
SP	345	560	796
NFL	250	533	658
FL	–	–	536
MWFL	220	364	–

*Values shown for 3000K and white finish

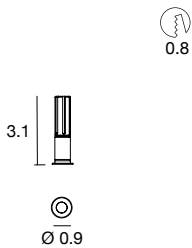
Ordering Information							(Required)
QTM		F	09	3 - CC			
Product	Trim/Finish	Type	Diameter	Wattage/Operation	Color Temp	Optic	+ Driver
QTM = Quantum	RWH = Round White RBL = Round Black RGO = Round Gold	F = Fixed	09 = 0.9"	3 CC = 2W / Constant Current (1000mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	SP = Spot (19°) NFL = Narrow Flood (25°) MWFL = Medium Wide Flood (45°)	ECO30W-1000 SOLO50W-1000 SOLO100W-1000

QTM			17				
Product	Trim/Finish	Type	Diameter	Wattage/Operation	Color Temp ³	Optic	+ Driver
QTM = Quantum	RWH = Round White RBL = Round Black RGO = Round Gold	F = Fixed	17 = 1.7"	2 CC = 2W / Constant Current (630mA)	80-27 = 2700K 80-30 = 3000K 80-35 = 3500K 80-40 = 4000K	USP = Ultra Spot (5°)	ECO30W-XXX SOLO50W-XXX SOLO100W-XXX
		F = Fixed	17 = 1.7"	6 CC = 6.3W / Constant Current (700mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	SP = Spot (19°) NFL = Narrow Flood (26°) WFL = Wide Flood (52°)	
		FHC = Fixed HoneyComb	17 = 1.7"	6 CC = 6.3W / Constant Current (700mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	SP = Spot (17°) NFL = Narrow Flood (25°) MWFL = Wide Flood (42°)	

QTM			24	10 - CC			
Product	Trim/Finish	Type	Diameter	Wattage/Operation	Color Temp	Optic	+ Driver
QTM = Quantum	RWH = Round White RBL = Round Black RGO = Round Gold	F = Fixed	24 = 2.4"	10 CC = 10W / Constant Current (800mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	SP = Spot (20°) NFL = Narrow Flood (25°) MWFL = Medium Wide Flood (47°)	ECO30W-800 SOLO50W-800 SOLO100W-800
		FHC = Fixed HoneyComb	24 = 2.4"	10 CC = 10W / Constant Current (800mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	SP = Spot (18°) NFL = Narrow Flood (23°) MWFL = Medium Wide Flood (40°)	

QTM			33	15 - CC			
Product	Trim/Finish	Type	Diameter	Wattage/Operation	Color Temp ³	Optic	+ Driver
QTM = Quantum	RWH = Round White RBL = Round Black RGO = Round Gold	F = Fixed	33 = 3.3"	15 CC = 15W / Constant Current (400mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	SP = Spot (20°) FL = Flood (30°) MWFL = Medium Wide Flood (40°)	ECO30W-400 SOLO50W-400 SOLO100W-400
		FHC = Fixed HoneyComb	33 = 3.3"	15 CC = 15W / Constant Current (400mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	SP = Spot (19°) NFL = Narrow Flood (27°) FL = Flood (38°)	

0.9" 3W 1000mA

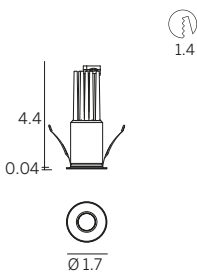


DRIVER OPTIONS (pick one)

C.C. Power supply options (remote only)

ECO30W-1000	SOLO50W-1000	SOLO100W-1000
0-10V EldoLED ECOdrive 30W for 1-7 fixtures	0-10V EldoLED SOLOdrive 50W for 1-12 fixtures	0-10V EldoLED SOLOdrive 100W for 1-24 fixtures

1.7" 2W 630mA

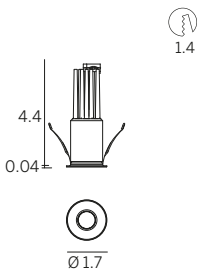


DRIVER OPTIONS (pick one)

C.C. Power supply options (remote only)

ECO30W-630	SOLO50W-630	SOLO100W-630
0-10V EldoLED ECOdrive 30W for 1-10 fixtures	0-10V EldoLED SOLOdrive 50W for 1-16 fixtures	0-10V EldoLED SOLOdrive 100W for 1-32 fixtures

1.7" 6.3W 700mA

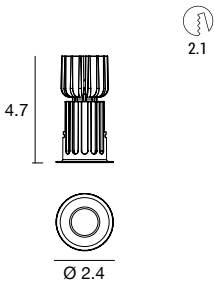


DRIVER OPTIONS (pick one)

C.C. Power supply options (remote only)

ECO30W-700	SOLO50W-700	SOLO100W-700
0-10V EldoLED ECOdrive 30W for 1-3 fixtures	0-10V EldoLED SOLOdrive 50W for 1-6 fixtures	0-10V EldoLED SOLOdrive 100W for 1-12 fixtures

2.4" 10W 800mA

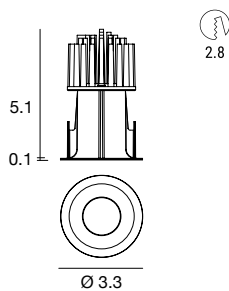


DRIVER OPTIONS (pick one)

C.C. Power supply options (remote only)

ECO30W-800	SOLO100W-800
0-10V EldoLED ECOdrive 30W for 1-2 fixtures	0-10V EldoLED SOLOdrive 100W for 1-4 fixtures

3.3" 15W 400mA



DRIVER OPTIONS (pick one)

C.C. Power supply options (remote only)

ECO30W-400	SOLO50W-400	SOLO100W-400
0-10V EldoLED ECOdrive 30W for 1 fixture	0-10V EldoLED SOLOdrive 50W for 1-2 fixtures	0-10V EldoLED SOLOdrive 100W for 1-4 fixtures

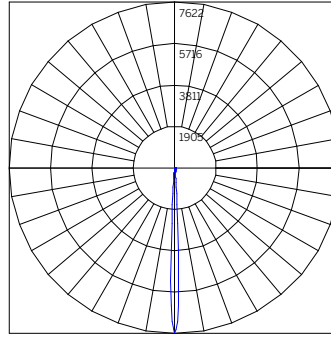
Quantum Fixed

FIXED

QTM-RWH-F-...-USP...

Delivered Lumens - Ultra Spot

		Diameter [Wattage]				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
CCT	92-27-	-	115	-	-	-
	92-30-	-	123	-	-	-
	92-35-	-	123	-	-	-
	92-40-	-	131	-	-	-
		Polar Plot / Cone Of Light Multiplier				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
		-	1.00	-	-	-
		UGR (3K)				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
		-	18.5	-	-	-



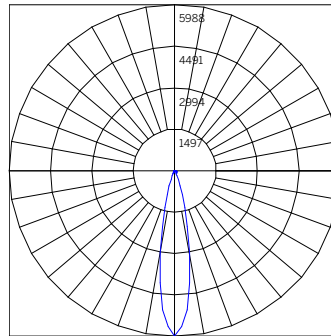
CONE OF LIGHT - 2W 3000K Ultra Spot QTM-RWH-F-17-2-CC-80-30-USP*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	1906	0.2
4	476	0.3
6	212	0.5
8	119	0.7
10	76	0.9
12	53	1.0
14	39	1.2
16	30	1.4
18	24	1.6
20	19	1.7

QTM-RWH-F-...-SP...

Delivered Lumens - Spot

		Diameter [Wattage]				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
CCT	92-27-	127	-	478	664	1025
	92-30-	139	-	499	714	1096
	92-35-	139	-	499	714	1096
	92-40-	145	-	537	764	1178
		Polar Plot / Cone Of Light Multiplier				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
		0.13	-	0.46	0.65	1.00
		UGR (3K)				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
		17.3	-	16.0	18.5	24.4



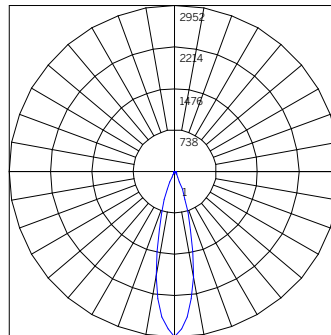
CONE OF LIGHT - 25W 3000K Spot QTM-RWH-F-33-15-CC-92-30-SP*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	1497	0.7
4	374	1.4
6	166	2.1
8	94	2.8
10	60	3.5
12	42	4.2
14	31	4.9
16	23	5.6
18	18	6.3
20	15	7.1

QTM-RWH-F-...-NFL...

Delivered Lumens - Narrow Flood

		Diameter [Wattage]				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
CCT	92-27-	119	-	381	658	-
	92-30-	130	-	398	710	-
	92-35-	130	-	398	710	-
	92-40-	135	-	429	763	-
		Polar Plot / Cone Of Light Multiplier				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
		0.18	-	0.56	1.00	-
		UGR (3K)				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
		27.7	-	22.4	19.8	-



CONE OF LIGHT - 10W 3000K Narrow Flood QTM-RWH-F-24-10-CC-92-30-NFL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	738	0.9
4	185	1.8
6	82	2.6
8	46	3.5
10	30	4.4
12	21	5.3
14	15	6.2
16	12	7.0
18	9	7.9
20	7	8.8

*Polar Plot and Cone of Light are applicable to part number noted; use Multiplication Factor table to approximate other models or refer to online photometry.

** Beam Diameter indicates on center spacing required to maintain Illuminance at Mounting Height.

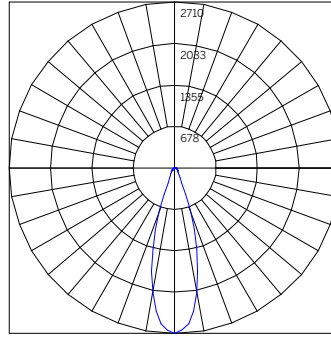
Quantum Fixed

FIXED

QTM-RWH-F-...-FL...

Delivered Lumens - Flood

		Diameter [Wattage]				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
CCT	92-27-	-	-	-	-	881
	92-30-	-	-	-	-	943
	92-35-	-	-	-	-	943
	92-40-	-	-	-	-	1015
		Polar Plot / Cone Of Light Multiplier				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
		-	-	-	-	1.00
		UGR (3K)				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
		-	-	-	-	25.6



Beam Angle (0-180) = 30.4°
Beam Angle (90-270) = 30.2°

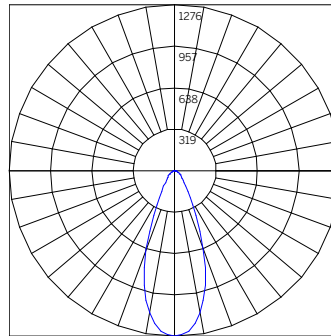
CONE OF LIGHT - 15W 3000K Flood QTM-RWH-F-33-15-CC-92-30-FL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	678	1.1
4	169	2.2
6	75	3.3
8	42	4.3
10	27	5.4
12	19	6.5
14	14	7.6
16	11	8.7
18	8	9.8
20	7	10.9

QTM-RWH-F-...-MWFL...

Delivered Lumens - Medium Wide Flood

		Diameter [Wattage]				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
CCT	92-27-	122	-	-	538	738
	92-30-	134	-	-	578	789
	92-35-	134	-	-	578	789
	92-40-	139	-	-	621	849
		Polar Plot / Cone Of Light Multiplier				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
		0.17	-	-	0.73	1.00
		UGR (3K)				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
		23.2	-	-	24.1	26.9



Beam Angle (0-180) = 40.2°
Beam Angle (90-270) = 40.6°

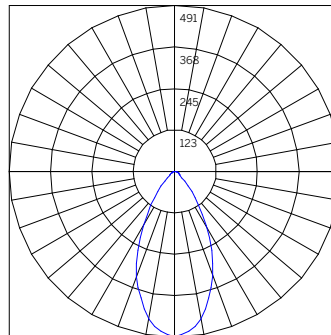
CONE OF LIGHT - 15W 3000K Medium Wide Flood QTM-RWH-F-33-15-CC-92-30-MWFL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	319	1.5
4	80	2.9
6	35	4.4
8	20	5.9
10	13	7.3
12	9	8.8
14	7	10.2
16	5	11.7
18	4	13.2
20	3	14.6

QTM-RWH-F-...-WFL...

Delivered Lumens - Wide Flood

		Diameter [Wattage]				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
CCT	92-27-	-	-	393	-	-
	92-30-	-	-	412	-	-
	92-35-	-	-	412	-	-
	92-40-	-	-	443	-	-
		Polar Plot / Cone Of Light Multiplier				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
		-	-	1.00	-	-
		UGR (3K)				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
		-	-	24.8	-	-



Beam Angle (0-180) = 51.8°
Beam Angle (90-270) = 51.4°

CONE OF LIGHT - 15W 3000K Narrow Spot QTM-RWH-F-17-6-CC-92-30-WFL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	123	1.9
4	31	3.9
6	14	5.8
8	8	7.8
10	5	9.7
12	3	11.7
14	3	13.6
16	2	15.5
18	2	17.5
20	1	19.4

*Polar Plot and Cone of Light are applicable to part number noted; use Multiplication Factor table to approximate other models or refer to online photometry.

** Beam Diameter indicates on center spacing required to maintain Illuminance at Mounting Height.

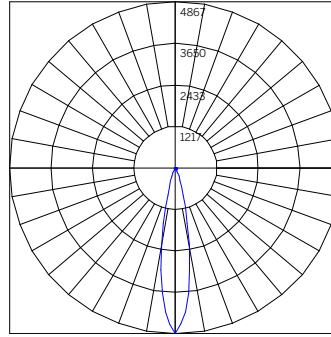
Quantum Fixed

FIXED HONEYCOMB

QTM-RWH-FHC-...-SP...

Delivered Lumens - Spot

		Diameter [Wattage]				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
CCT	92-27-	-	-	330	521	744
	92-30-	-	-	345	560	796
	92-35-	-	-	345	560	796
	92-40-	-	-	372	599	856
		Polar Plot / Cone Of Light Multiplier				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
		-	-	0.43	0.70	1.00
		UGR (3K)				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
		-	-	9.1	15.5	22.4



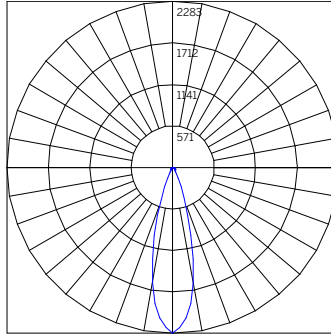
CONE OF LIGHT - 25W 3000K Spot QTM-RWH-FHC-33-15-CC-92-30-SP*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	1217	0.7
4	304	1.4
6	135	2.0
8	76	2.7
10	49	3.4
12	34	4.1
14	25	4.7
16	19	5.4
18	15	6.1
20	12	6.8

QTM-RWH-FHC-...-NFL...

Delivered Lumens - Narrow Flood

		Diameter [Wattage]				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
CCT	92-27-	-	-	239	496	614
	92-30-	-	-	250	533	658
	92-35-	-	-	250	533	658
	92-40-	-	-	269	571	708
		Polar Plot / Cone Of Light Multiplier				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
		-	-	0.38	0.81	1.00
		UGR (3K)				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
		-	-	17.9	17.4	23.3



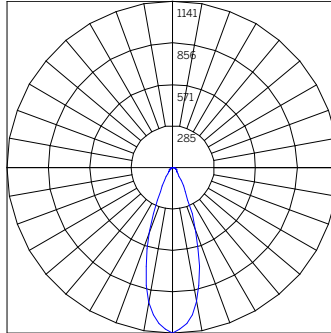
CONE OF LIGHT - 15W 3000K Narrow Flood QTM-RWH-FHC-33-15-CC-92-30-NFL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	571	1.0
4	143	1.9
6	63	2.9
8	36	3.9
10	23	4.8
12	16	5.8
14	12	6.8
16	9	7.7
18	7	8.7
20	6	9.7

QTM-RWH-FHC-...-FL...

Delivered Lumens - Flood

		Diameter [Wattage]				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
CCT	92-27-	-	-	-	-	501
	92-30-	-	-	-	-	536
	92-35-	-	-	-	-	536
	92-40-	-	-	-	-	577
		Polar Plot / Cone Of Light Multiplier				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
		-	-	-	-	1.00
		UGR (3K)				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
		-	-	-	-	24.0



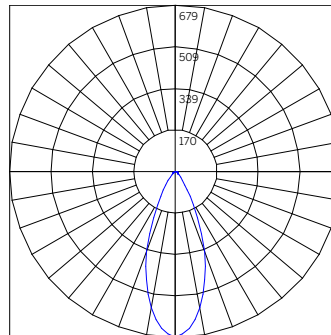
CONE OF LIGHT - 15W 3000K Flood QTM-RWH-FHC-33-15-CC-92-30-FL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	286	1.3
4	71	2.6
6	32	3.9
8	18	5.1
10	11	6.4
12	8	7.7
14	6	9.0
16	4	10.3
18	4	11.6
20	3	12.8

QTM-RWH-FHC-...-MWFL...

Delivered Lumens - Medium Wide Flood

		Diameter [Wattage]				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
CCT	92-27-	-	-	211	338	-
	92-30-	-	-	220	364	-
	92-35-	-	-	220	364	-
	92-40-	-	-	237	390	-
		Polar Plot / Cone Of Light Multiplier				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
		-	-	0.60	1.00	-
		UGR (3K)				
		09 [3 CC]	17 [2 CC]	17 [6 CC]	24 [10 CC]	33 [15 CC]
		-	-	19.9	20.2	-



CONE OF LIGHT - 10W 3000K

Medium Wide Flood

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	170	1.5
4	42	2.9
6	19	4.4
8	11	5.9
10	7	7.4
12	5	8.8
14	3	10.3
16	3	11.8
18	2	13.2
20	2	14.7

*Polar Plot and Cone of Light are applicable to part number noted; use Multiplication Factor table to approximate other models or refer to online photometry.

** Beam Diameter indicates on center spacing required to maintain Illuminance at Mounting Height.