



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: 2.0" (0.10 lbs) – 2.2" (0.28 lbs) – 2.8" (0.88 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 (2.0") – 2W (2.2") – 6.3W (2.2") – 10W (2.8")

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: Adjustable with a 35° tilt and a 360° rotation (refer to Quantum Fixed spec sheet for Fixed version). Available in Ultra Spot – Spot – Narrow Flood – Flood – Medium Wide Flood – Wide Flood. Also available with Honeycomb louver.

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

CRI: 92, (2.2", 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
- 4 photometry



2.0" (2W)



2.2" (2W / 6.3W)



2.8" (10W)

Adjustable Delivered Lumens*	2.0" (3W)	2.2" (4W)	2.2" (6.3W)	2.8" (10W)
USP	–	116	–	–
SP	–	–	396	725
NFL	137	–	298	–
FL	132	–	–	719
MWFL	137	–	–	583
WFL	–	–	277	–

*Values shown for 3000K and White Finish

Adj. HoneyComb Delivered Lumens*	2.2" (3W)	2.2" (6.3W)	2.8" (10W)
SP	–	282	540
NFL	105	203	488
FL	95	–	326
MWFL	84	–	–

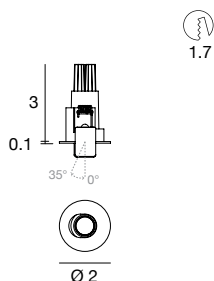
*Values shown for 3000K and White Finish

Ordering Information							(Required)
QTM		A	20	2 - CC			
Product	Trim/Finish	Type	Diameter	Wattage/Operation	Color Temp	Optic	+ Driver
QTM = Quantum	RWH = Round White RBL = Round Black RGO = Round Gold	A = Adjustable	20 = 2.0"	2 CC = 2W / Constant Current (630mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	SP = Spot (20°) FL = Flood (30°) MWFL = Medium Wide Flood (40°)	ECO30W-630 SOLO50W-630 SOLO100W-630

QTM			22				
Product	Trim/Finish	Type	Diameter	Wattage/Operation	Color Temp ³	Optic	+ Driver
QTM = Quantum	RWH = Round White RBL = Round Black RGO = Round Gold	A = Adjustable	22 = 2.2"	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
		A = Adjustable	22 = 2.2"	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 (50°)	
		AHC = Adj. HoneyComb	22 = 2.2"	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 (24°) MWFL = Medium Wide Flood (46°)	

QTM			28	10 - CC			
Product	Trim/Finish	Type	Diameter	Wattage/Operation	Color Temp	Optic	+ Driver
QTM = Quantum	RWH = Round White RBL = Round Black RGO = Round Gold	A = Adjustable	28 = 2.8"	10 CC = 10W / Constant Current (800mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	SP = Spot (20°) FL = Flood (30°) MWFL = Medium Wide Flood (40°)	ECO30W-800 SOLO50W-800 SOLO100W-800
		AHC = Adj. HoneyComb	28 = 2.8"	10 CC = 10W / Constant Current (800mA)	92-27 = 2700K 92-30 = 3000K 92-35 = 3500K 92-40 = 4000K	SP = Spot (17°) NFL = Narrow Flood (25°) FL = Flood (38°)	

2.0" 2W 630mA

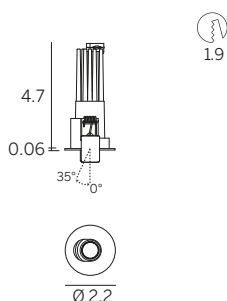


DRIVER OPTIONS (pick one)

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

2.2" 2W 630mA

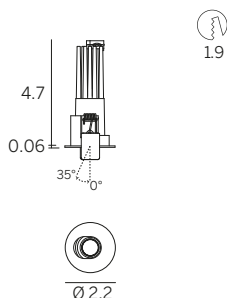


DRIVER OPTIONS (pick one)

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

2.2" 6.3W 700mA

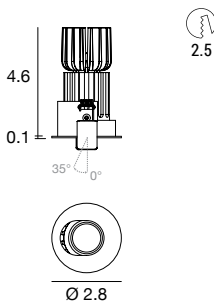


DRIVER OPTIONS (pick one)

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

2.8" 10W 800mA



DRIVER OPTIONS (pick one)

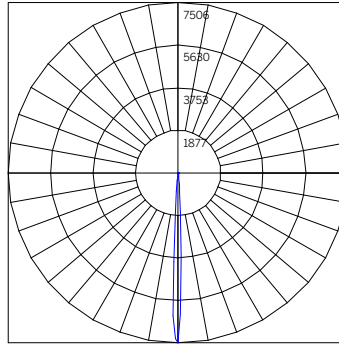
C.C. Power supply options (remote only)

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

Quantum Adjustable

FIXED ADJUSTABLE

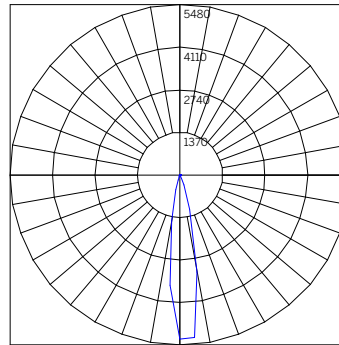
QTM-RWH-A-...-USP...				
Delivered Lumens - Ultra Spot				
		Diameter [Wattage]		
		20 [3 CC]	22 [2 CC]	28 [10 CC]
CCT	80-27-	—	109	—
	80-30-	—	116	—
	80-35-	—	116	—
	80-40-	—	125	—
Polar Plot / Cone Of Light Multiplier				
		20 [3 CC]	22 [2 CC]	28 [10 CC]
		—	1.00	—



Beam Angle (0-180) = 4.8°
Beam Angle (90-270) = 5.2°

CONE OF LIGHT - 2W 3000K Ultra Spot		
QTM-RWH-A-22-2-CC-80-30-USP*		
Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	1877	0.2
4	469	0.3
6	209	0.5
8	117	0.7
10	75	0.8
12	52	1.0
14	38	1.2
16	29	1.3
18	23	1.5
20	19	1.7

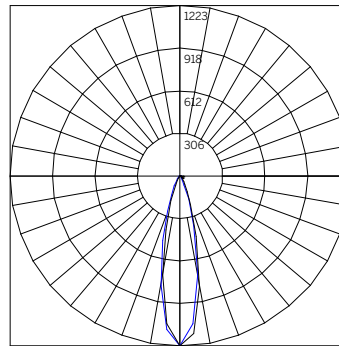
QTM-RWH-A-...-SP...				
Delivered Lumens - Spot				
		Diameter [Wattage]		
		20 [3 CC]	22 [2 CC]	28 [10 CC]
CCT	92-27-	—	—	378
	92-30-	—	—	396
	92-35-	—	—	396
	92-40-	—	—	426
Polar Plot / Cone Of Light Multiplier				
		20 [3 CC]	22 [2 CC]	28 [10 CC]
		—	—	0.55



Beam Angle (0-180) = 18.1°
Beam Angle (90-270) = 18.2°

CONE OF LIGHT - 10W 3000K Spot		
QTM-RWH-A-28-10-CC-92-30-SP*		
Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	1370	0.6
4	343	1.3
6	152	1.9
8	86	2.5
10	55	3.2
12	38	3.8
14	28	4.4
16	21	5.1
18	17	5.7
20	14	6.3

QTM-RWH-A-...-NFL...				
Delivered Lumens - Narrow Flood				
		Diameter [Wattage]		
		20 [3 CC]	22 [2 CC]	28 [10 CC]
CCT	92-27-	126	—	285
	92-30-	137	—	298
	92-35-	137	—	298
	92-40-	142	—	321
Polar Plot / Cone Of Light Multiplier				
		20 [3 CC]	22 [2 CC]	28 [10 CC]
		0.46	—	1.00



Beam Angle (0-180) = 24.5°
Beam Angle (90-270) = 24.5°

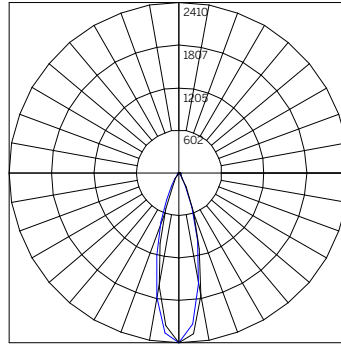
CONE OF LIGHT - 6.3W 3000K Narrow Flood		
QTM-RWH-A-22-6-CC-92-30-NFL*		
Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	306	0.9
4	77	1.7
6	34	2.6
8	19	3.4
10	12	4.3
12	9	5.1
14	6	6.0
16	5	6.8
18	4	7.7
20	3	8.6

*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.

FIXED ADJUSTABLE

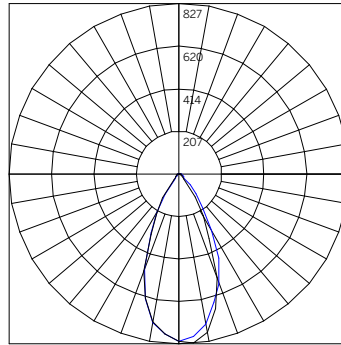
QTM-RWH-A-...-FL...				
Delivered Lumens - Flood				
		Diameter [Wattage]		
		20 [3 CC]	22 [2 CC]	28 [10 CC]
CCT	92-27-	121	—	668
	92-30-	132	—	719
	92-35-	132	—	719
	92-40-	137	—	771
Polar Plot / Cone Of Light Multiplier				
		20 [3 CC]	22 [2 CC]	28 [10 CC]
		0.18	—	1.00



Beam Angle (0-180) = 28.4°
Beam Angle (90-270) = 27.9°

CONE OF LIGHT - 15W 3000K Flood		
QTM-RWH-A-32-15-CC-92-30-FL*		
Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	603	1.0
4	151	2.0
6	67	3.0
8	38	4.0
10	24	5.0
12	17	5.9
14	12	6.9
16	9	7.9
18	7	8.9
20	6	9.9

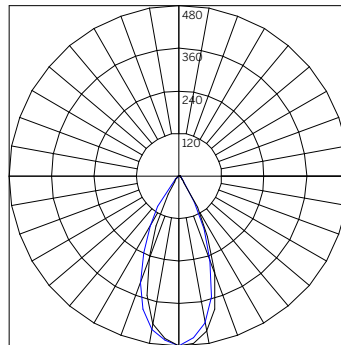
QTM-RWH-A-...-MWFL...				
Delivered Lumens - Medium Wide Flood				
		Diameter [Wattage]		
		20 [3 CC]	22 [2 CC]	28 [10 CC]
CCT	92-27-	126	—	541
	92-30-	137	—	583
	92-35-	137	—	583
	92-40-	142	—	625
Polar Plot / Cone Of Light Multiplier				
		20 [3 CC]	22 [2 CC]	28 [10 CC]
		0.23	—	1.00



Beam Angle (0-180) = 48.1°
Beam Angle (90-270) = 45.9°

CONE OF LIGHT - 15W 3000K Medium Wide Flood		
QTM-RWH-A-32-15-CC-92-30-MWFL*		
Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	207	1.7
4	52	3.4
6	23	5.0
8	13	6.7
10	8	8.4
12	6	10.1
14	4	11.8
16	3	13.4
18	3	15.1
20	2	16.8

QTM-RWH-A-...-WFL...				
Delivered Lumens - Wide Flood				
		Diameter [Wattage]		
		20 [3 CC]	22 [2 CC]	28 [10 CC]
CCT	92-27-	—	—	265
	92-30-	—	—	277
	92-35-	—	—	277
	92-40-	—	—	298
Polar Plot / Cone Of Light Multiplier				
		20 [3 CC]	22 [2 CC]	28 [10 CC]
		—	—	1.00



Beam Angle (0-180) = 45.7°
Beam Angle (90-270) = 42.8°

CONE OF LIGHT - 15W 3000K Wide Flood		
QTM-RWH-A-32-15-CC-92-30-WFL*		
Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	120	1.6
4	30	3.2
6	13	4.8
8	8	6.4
10	5	8.0
12	3	9.6
14	2	11.2
16	2	12.8
18	1	14.4
20	1	16.0

*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.

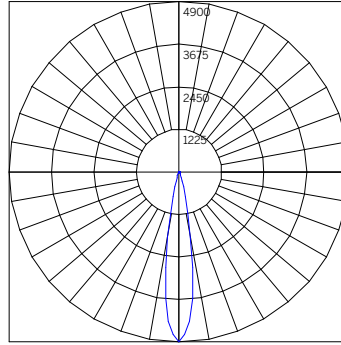
Quantum Adjustable

FIXED ADJUSTABLE HONEYCOMB

QTM-RWH-AHC-...-SP...

Delivered Lumens - Spot

		Diameter [Wattage]			
		20 [3 CC]	22 [2 CC]	22 [6 CC]	28 [10 CC]
CCT	92-27-	—	—	270	501
	92-30-	—	—	282	540
	92-35-	—	—	282	540
	92-40-	—	—	303	579
		Polar Plot / Cone Of Light Multiplier			
		20 [3 CC]	22 [2 CC]	22 [6 CC]	28 [10 CC]
		—	—	0.52	1.00



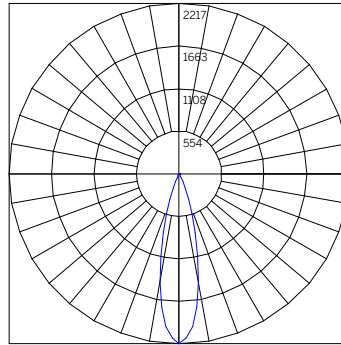
CONE OF LIGHT - 10W 3000K Spot QTM-RWH-AHC-28-10-CC-92-30-SP*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	1225	0.6
4	306	1.2
6	136	1.8
8	77	2.4
10	49	3.0
12	34	3.6
14	25	4.2
16	19	4.8
18	15	5.4
20	12	6.0

QTM-RWH-AHC-...-NFL...

Delivered Lumens - Narrow Flood

		Diameter [Wattage]			
		20 [3 CC]	22 [2 CC]	22 [6 CC]	28 [10 CC]
CCT	92-27-	97	—	194	453
	92-30-	105	—	203	488
	92-35-	105	—	203	488
	92-40-	110	—	218	523
		Polar Plot / Cone Of Light Multiplier			
		20 [3 CC]	22 [2 CC]	22 [6 CC]	28 [10 CC]
		0.22	—	0.42	1.00



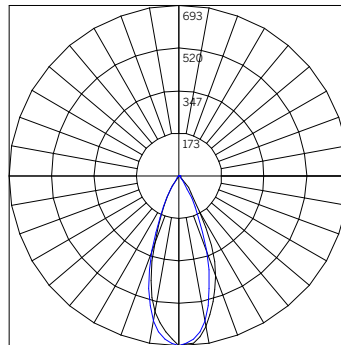
CONE OF LIGHT - 10W 3000K Narrow Flood QTM-RWH-AHC-28-10-CC-92-30-NFL*

Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	554	0.9
4	139	1.8
6	62	2.6
8	35	3.5
10	22	4.4
12	15	5.3
14	11	6.2
16	9	7.1
18	7	7.9
20	6	8.8

QTM-RWH-AHC-...-FL...

Delivered Lumens - Flood

		Diameter [Wattage]			
		20 [3 CC]	22 [2 CC]	22 [6 CC]	28 [10 CC]
CCT	92-27-	87	—	—	302
	92-30-	95	—	—	326
	92-35-	95	—	—	326
	92-40-	99	—	—	349
		Polar Plot / Cone Of Light Multiplier			
		20 [3 CC]	22 [2 CC]	22 [6 CC]	28 [10 CC]
		0.29	—	—	0.68



CONE OF LIGHT - 10W 3000K Flood QTM-RWH-AHC-28-10-CC-92-30-FL*

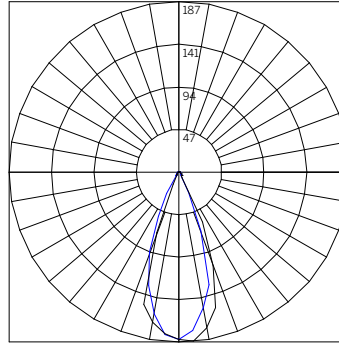
Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	174	1.5
4	43	2.9
6	19	4.4
8	11	5.8
10	7	7.3
12	5	8.8
14	4	10.2
16	3	11.7
18	2	13.1
20	2	14.6

*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.

FIXED ADJUSTABLE HONEYCOMB

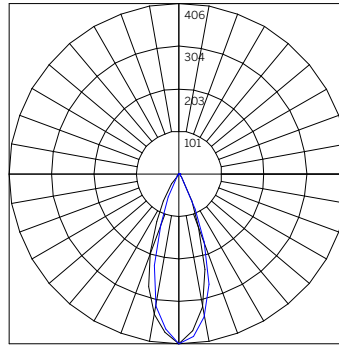
QTM-RWH-AHC-...-MWFL...				
Delivered Lumens - Medium Wide Flood				
		Diameter [Wattage]		
		20 [3 CC]	22 [2 CC]	28 [10 CC]
CCT	92-27-	77	-	-
	92-30-	84	-	-
	92-35-	84	-	-
	92-40-	88	-	-
Polar Plot / Cone Of Light Multiplier				
		20 [3 CC]	22 [2 CC]	28 [10 CC]
		1.00	-	-



Beam Angle (0-180) = 37.4°
Beam Angle (90-270) = 40.3°

CONE OF LIGHT - 3W 3000K		
Medium Wide Flood		
QTM-RWH-AHC-20-3-CC-92-30-MWFL		
Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	174	1.5
4	43	2.9
6	19	4.4
8	11	5.8
10	7	7.3
12	5	8.8
14	4	10.2
16	3	11.7
18	2	13.1
20	2	14.6

QTM-RWH-AHC-...-WFL...				
Delivered Lumens - Wide Flood				
		Diameter [Wattage]		
		20 [3 CC]	22 [2 CC]	28 [10 CC]
CCT	92-27-	-	-	154
	92-30-	-	-	161
	92-35-	-	-	161
	92-40-	-	-	173
Polar Plot / Cone Of Light Multiplier				
		20 [3 CC]	22 [2 CC]	28 [10 CC]
		-	-	1.00



Beam Angle (0-180) = 36.5°
Beam Angle (90-270) = 34.7°

CONE OF LIGHT - 6.3W 3000K Wide Flood		
QTM-RWH-AHC-22-6-CC-92-30-WFL		
Mounting Height [Ft]	Illuminance [fc at max cd]	Beam Diameter [Ft]**
2	102	1.3
4	25	2.5
6	11	3.8
8	6	5.1
10	4	6.4
12	3	7.6
14	2	8.9
16	2	10.2
18	1	11.5
20	1	12.7

*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.