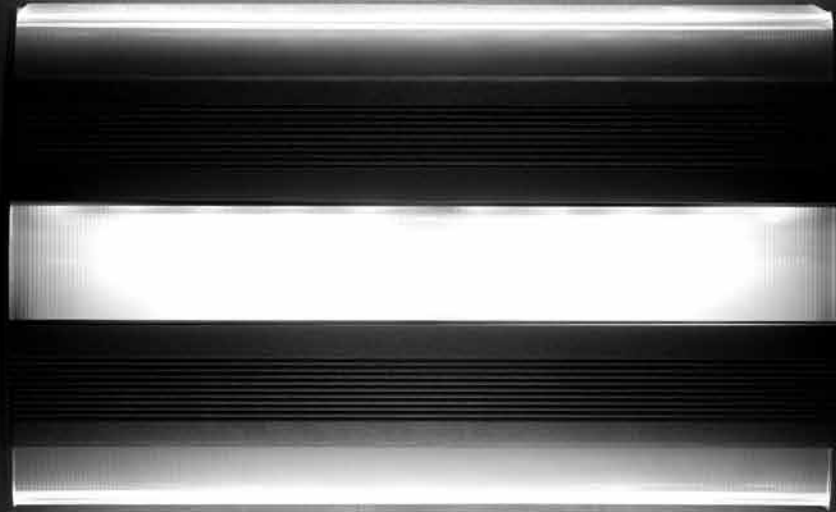


Quanta | LED

Shines a new light.




LUMINIS



Quanta is the outcome of a design objective that addresses multi-function lighting for walls and building perimeters, using state of the art technology such as high efficiency white LEDs. The result is one of performance, control and durability.



Contents

02 | **Introduction**

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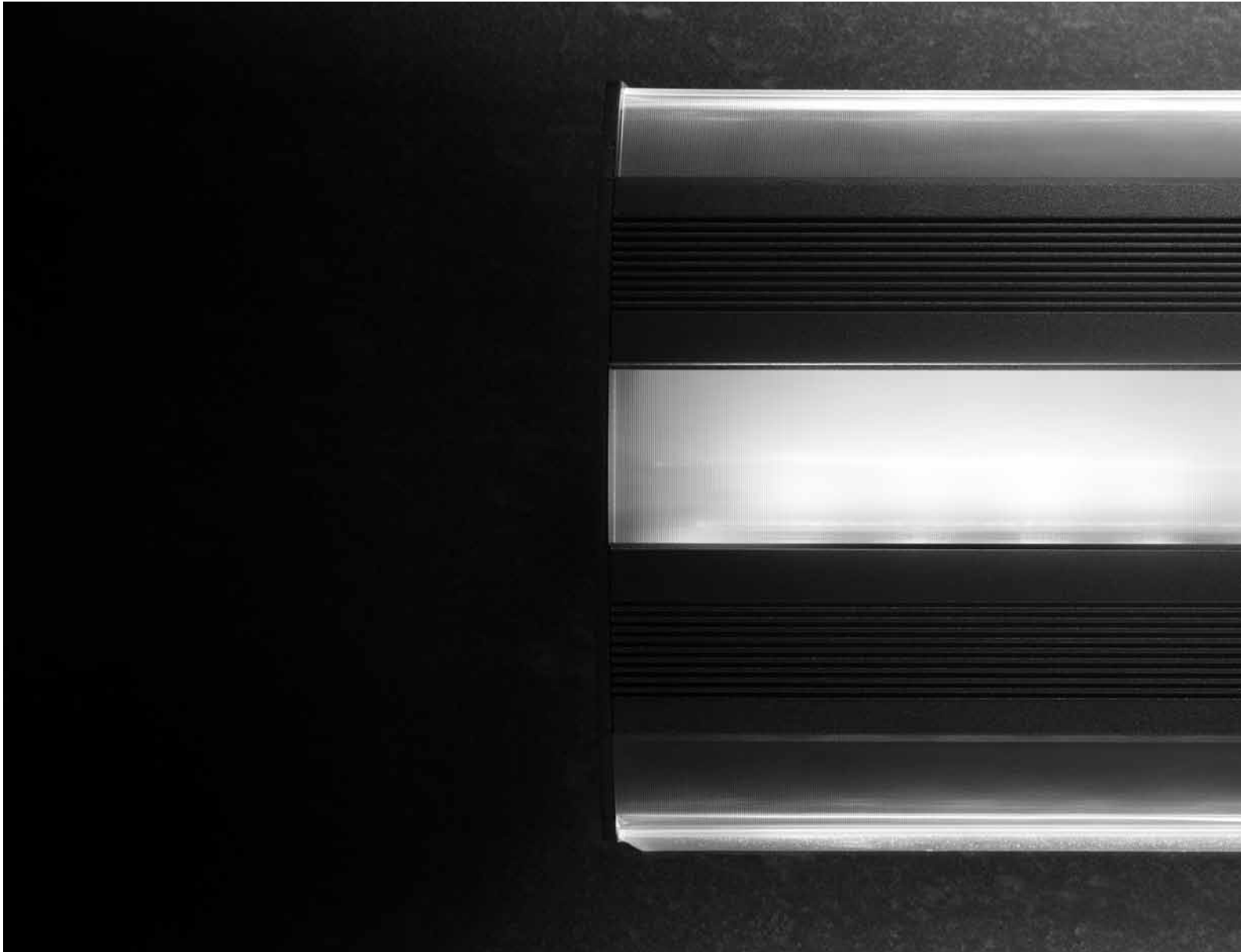
08 | Quanta **QT100**

09 | Quanta **QT150**

10 | Quanta **QT200**

11 | Quanta **QT250**

12 | Quanta **QT300 /**
Quanta **QT400**



Quanta



IS PERFECT FOR HIGHLIGHTING ARCHITECTURAL FEATURES OR ILLUMINATING WIDE AREAS ON BUILDING PERIMETERS. GIVING YOU MORE CONTROL OF WHAT YOU CHOOSE TO ILLUMINATE. FEATURING A DARK SKY FRIENDLY FULL CUTOFF DOWN LIGHT, YOU WILL ALSO BENEFIT FROM VARIOUS LIGHTING INTENSITIES, EXCEPTIONAL LUMEN EFFICIENCY AND OPTIONAL FORWARD THROW WITH ON SITE ADJUSTABILITY.



FUNCTION

CHOOSE YOUR LIGHT.

Quanta is the first SSL luminaire to incorporate up and down light with multifunction purpose. The uplight component is independent from the down light and each can have a different distribution pattern and luminous flux. Up light can be selected with a narrow or wide beam to light columns, wall wash or under canopy illumination and the downlight can illuminate a pathway with a wide distribution and a spacing ratio of up to 2 mounting heights.

An optional front lighting is available for creating an enhanced wall marking feature or simply a visual element on the wall.

DOWNLIGHT FULL CUTOFF – As a downlight, Quanta benefits from a full cutoff distribution. A set of lenses are individually and precisely positioned to provide a type II distribution, with a 2 mounting height spacing ratio.

OPTIONAL LIGHT CONTROL – Quanta is available with a forward throw option allowing enhanced illumination of large areas, so additional light can be directed away from the wall to light a pathway or ceiling canopy.

Quanta can be gradually tilted up to a full 15 degrees in both directions. Thus, forward throw can be increased in both up and down directions, and lighting adjusted for various wall textures.

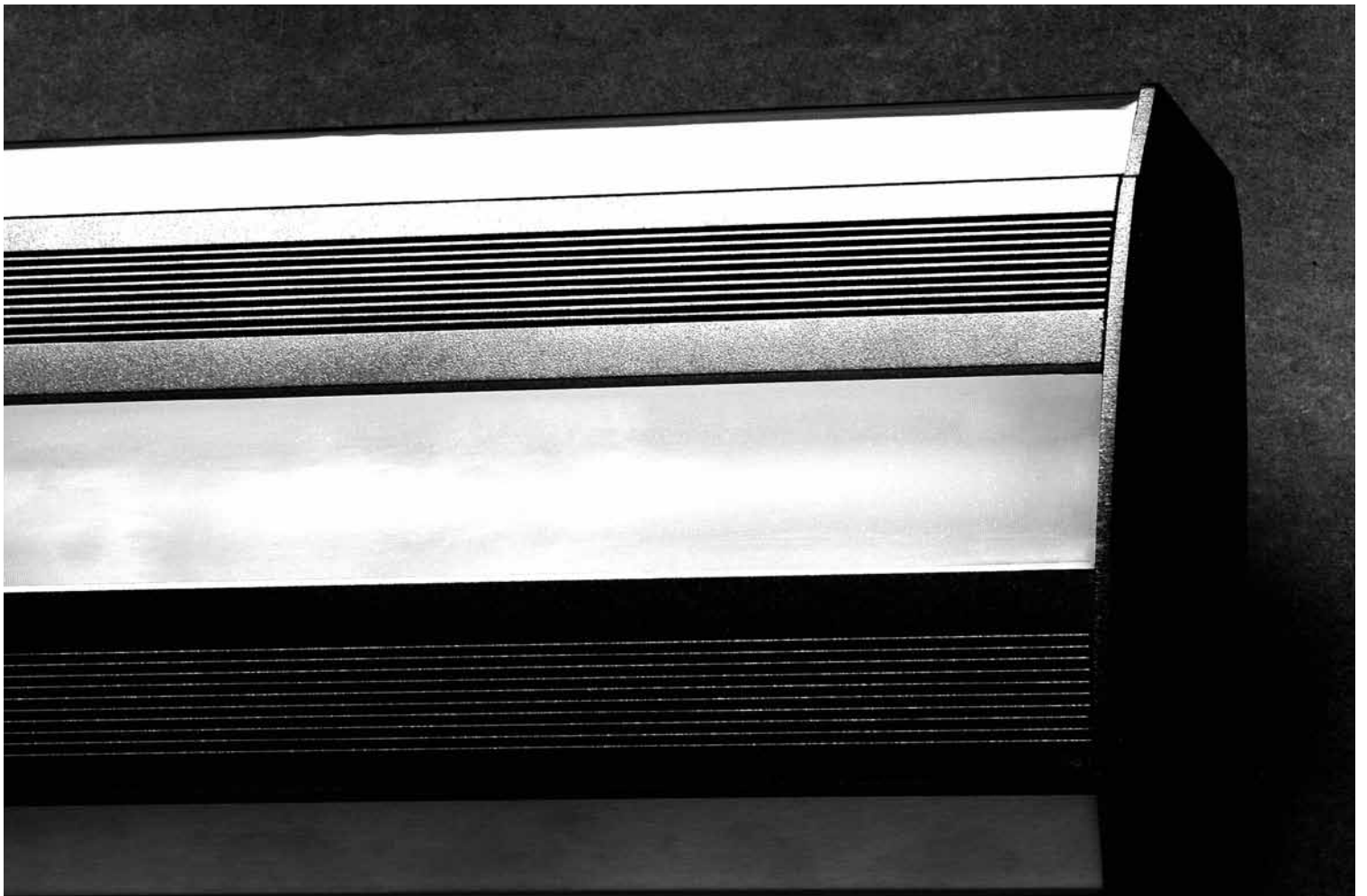


DESIGN

TAKING LED IN NEW DIRECTIONS.

Quanta is specifically designed for LED technology. Its unique design incorporates smart thermal management, ensuring both efficient heat extraction and maximal light emission from LEDs. Electronic controls are built in to continuously monitor junction temperatures and adjust the current to prevent potential damage to the LEDs.

Quanta features a standard color temperature of 4000K. Using only recognized LED manufacturers with ANSI compliant binning, Quanta delivers the best consistency in color rendering.



PERFORMANCE

LIGHT YEARS AHEAD.

Quanta was designed for longevity by incorporating key factors in its design that will favor a cool and stable operation over time. An efficient dissipation of the heat from the LEDs coupled with a lower drive current (450mA) and Quanta's smart electronics monitoring of the LEDs ensures a reliable and durable product. All of this translates in operational life of well over **70,000 hours**

Quanta meets LM-79-2008 standards as set out by the IESNA, reflecting not just total luminous flux but also recognizes absolute rather than relative photometry. Quanta uses only LEDs from recognized chipmakers with published lumen depreciation LM-80 data.

CONSTRUCTION

ALL THE LIGHT STUFF.

Built to last, Quanta's housing comprises a modular extruded aluminum with a high thermal conductance alloy. A sealed optic compartment protects against the elements, which results in superior weather resistance over time. High power LEDs with efficient and consistent light output are controlled by an electronic driver with a minimum of 90% efficiency, coupled with our standard 4000K color temperature ensuring the most consistent color rendering. Another major advantage is Quanta's adaptability. Its unique design facilitates simple upgrades over the product lifetime with easy on-site replacement of LED boards. Quanta is available in a wide range of polyester powder coated finishes.

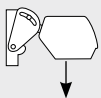


Quanta | QT100

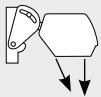
Single luminaire for narrow light beams. QT100 may be installed as an up or down light featuring optional light output combination. QUANTA provides a full cutoff distribution in down position.

LUMINAIRE Selection

QT100 Up or Down light

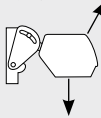


QT100-FW3 Forward throw FW3

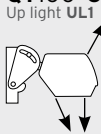


Forward throw FW3

QT100-UL1 Up light UL1



QT100-UL1-FW3 Up light UL1



Forward throw FW3

Luminaire for up or down light

Lens type	Narrow
Input watts	12
Total flux	727 Lms
LPW	52 lms

Luminaire with up or down lighting forward throw

Lens type	Narrow
Input watts	18
Total flux	1009 Lms
LPW	52 lms

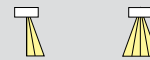
Luminaire with up and down lighting

Lens type	Narrow
Input watts	18
Total flux	1009 Lms
LPW	52 lms

Luminaire with up and down lighting forward throw

Lens type	Narrow
Input watts	24
Total flux	1272 Lms
LPW	52 lms

Down light position



Up light position



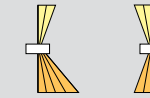
Down light position



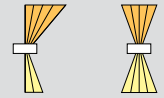
Up light position



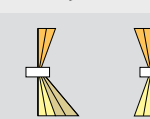
30% up - 70% down



70% up - 30% down



25% up - 75% down



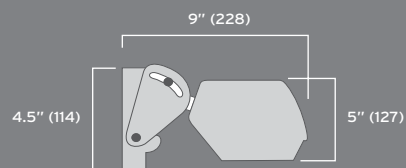
75% up - 25% down



QUANTA FEATURES A 15° TILT ADJUSTMENT WITH ANGULAR INDICATORS AND LOCKING MECHANISM.



UP OR DOWN LIGHT



8" (204)



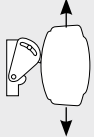
Quanta | QT150

Combined up and down light, featuring optional forward throw in both position, with standard opaque or optional luminous front light marker (Option FR)

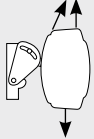


LUMINAIRE Selection

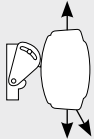
QT150 Up / Down light



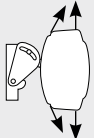
QT150-FWU Up light forward



QT150-FDW Down light forward



QT150-FW-UD Down light forward throw



Luminaire for up and down lighting

Lens type	Narrow
Input watts	24
Total flux	1368 Lms
LPW	52 lms

Luminaire with up lighting forward throw

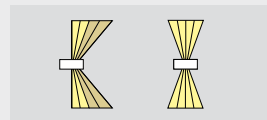
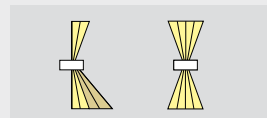
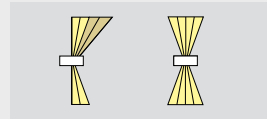
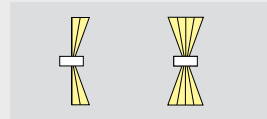
Lens type	Narrow
Input watts	30
Total flux	1710 Lms
LPW	52 lms

Luminaire with down lighting forward throw

Lens type	Narrow
Input watts	30
Total flux	1710 Lms
LPW	52 lms

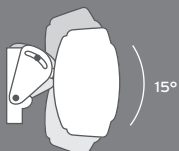
Luminaire with up and down lighting forward throw

Lens type	Narrow
Input watts	36
Total flux	2052 Lms
LPW	52 lms

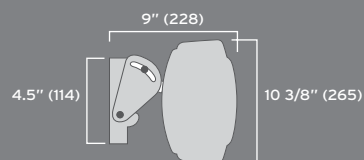


FR: Optional linear front luminous diffuser.

QUANTA FEATURES A 15° TILT ADJUSTMENT WITH ANGULAR INDICATORS AND LOCKING MECHANISM.



UP AND DOWN LIGHT



8" (204)



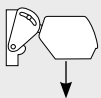


Quanta | QT200

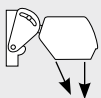
Single luminaire for wide light beams. **QT200** may be installed as an up or down light featuring optional combined light output with forward throw distribution. QUANTA provides a full cutoff distribution in down position.

LUMINAIRE Selection

QT200 Up or Down light

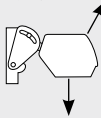


QT200-FW4 Forward throw FW4

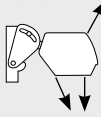


Forward throw **FW4**

QT200-UL2 Up light UL2



QT200-UL2-FW4 Up-light UL2



Forward throw **FW4**

Luminaire for up or down light

Lens type	Wide
Input watts	24
Total flux	1368 Lms
LPW	52 lms

Luminaire with up or down lighting forward throw

Lens type	Wide
Input watts	36
Total flux	2052 Lms
LPW	52 lms

Luminaire with up and down lighting

Lens type	Wide
Input watts	36
Total flux	2052 Lms
LPW	52 lms

Luminaire with up and down lighting forward throw

Lens type	Wide
Input watts	48
Total flux	2736 Lms
LPW	52 lms

Down light position



Up light position



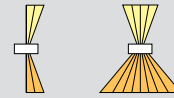
Down light position



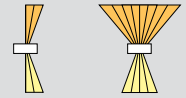
Up light position



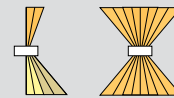
30% up - 70% down



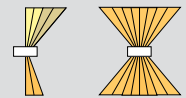
70% up - 30% down



25% up - 75% down



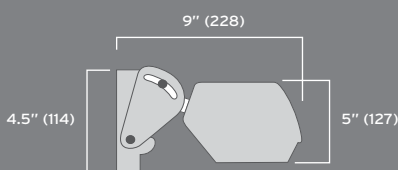
75% up - 25% down



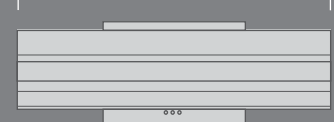
QUANTA FEATURES A 15° TILT ADJUSTMENT WITH ANGULAR INDICATORS AND LOCKING MECHANISM.



UP OR DOWN LIGHT



16" (406)



Quanta | QT250

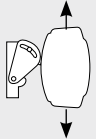
Combined up and down light. Wide beam light distribution, featuring optional forward throw in both position, with standard opaque or optional luminous front light marker (Option FR)



LUMINAIRE Selection

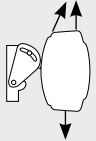
QT250

Up / Down light



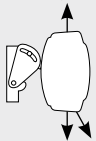
QT250-FWU

Up light forward



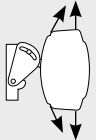
QT250-FDW

Down light forward



QT250-FW-UD

Down light forward throw



Luminaire for up and down lighting

Lens type	Wide
Input watts	48
Total flux	2736 Lms
LPW	52 lms

Luminaire with up lighting forward throw

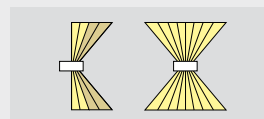
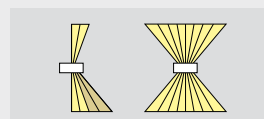
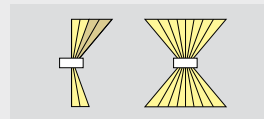
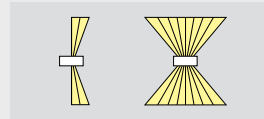
Lens type	Wide
Input watts	60
Total flux	3420 Lms
LPW	52 lms

Luminaire with down lighting forward throw

Lens type	Wide
Input watts	60
Total flux	3420 Lms
LPW	52 lms

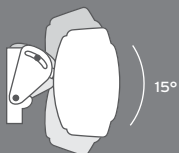
Luminaire with up and down lighting forward throw

Lens type	Wide
Input watts	72
Total flux	4104 Lms
LPW	52 lms

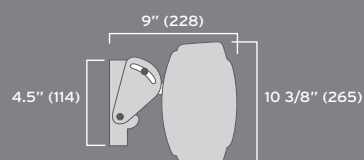


FR: Optional linear front luminous diffuser.

QUANTA FEATURES A 15° TILT ADJUSTMENT WITH ANGULAR INDICATORS AND LOCKING MECHANISM.



UP AND DOWN LIGHT



16" (406)



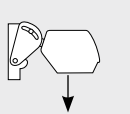


Quanta | QT300 QT400

Wide light distribution, ideal for wall washing and perimeter walkways with a forward throw light option. On site reversible mounting position for added flexibility. QUANTA provides a full cutoff distribution in down position.

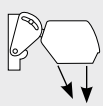
LUMINAIRE Selection

QT300 / QT400



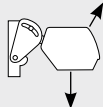
Up or Down

QT300-FW5 QT400-FW6



Forward throw FW5/FW6

QT300-UL3 QT400-UL4



Up light UL3-UL4

QT300-UL3-FW5 QT400-UL4-FW6



Forward throw FW5/FW6

	QT300	QT400
Up or down light		
Lens type	Narrow	Wide
Input watts	36	48
Total flux	2052 Lms	2736 Lms
LPW	52 lms	52 lms

	QT300	QT400
Up or down lighting with forward throw		
Lens type	Narrow	Wide
Input watts	54	72
Total flux	3078 Lms	4104 Lms
LPW	52 lms	52 lms

	QT300	QT400
Up and down lighting		
Lens type	Narrow	Wide
Input watts	54	72
Total flux	3078 Lms	4104 Lms
LPW	52 lms	52 lms

	QT300	QT400
Up and down lighting with forward throw		
Lens type	Narrow	Wide
Input watts	72	96
Total flux	4104 Lms	5472 Lms
LPW	52 lms	52 lms

Down light position



Up light position



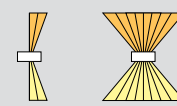
Down light position



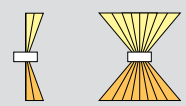
Up light position



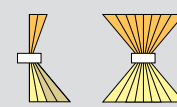
30% up - 70% down



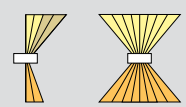
70% up - 30% down



25% up - 75% down



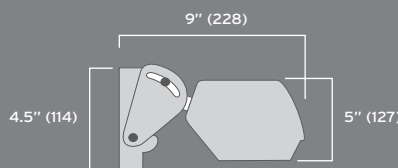
75% up - 25% down



QUANTA FEATURES A 15° TILT ADJUSTMENT WITH ANGULAR INDICATORS AND LOCKING MECHANISM.



UP OR DOWN LIGHT



QT300 - 24" (610)
QT400 - 32" (812)



Quanta | LED

Shines a new light.


LUMINIS

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CANADA | 260, rue Labrosse, Pointe-Claire (Québec) CANADA H9R 5L5

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