







voltage 220-240 50/60

Voltage range and voltage type



IK protection rating



Material (housing)



Power Factor



IEC protection class



LED type



Lamp's diameter



Mounting hole diameter

Product code: 477408 EAN: 5907777477408

LED line® downlight 15W 1500lm 4000K QUANTUM

Product description

The product stands out with its modern design and simple, concealed mounting. Its main advantages are: simplicity, elegance and innovativeness.

The product's housing is made of Aluminium, and its outer lens is made of polycarbonate, which entails good mechanical strength. A five-year manufacturer's warranty is provided for the product.

The product's supply voltage range is: AC 220-240 50/60 Hz.

QUANTUM has: 15 W. The product's colour temperature is 4000 K. The products features four mounting diameters.

The cutting-edge FLICKER FREE technology ensures no light flickering that is harmful to the eyes. Glare rate level: UGR<19. Lighting angle: 60° deg. It enables optimal lighting of a chosen spot in a room.

Colour rendering index: Ra ≥ 85.

The diode type used in the product is COB Bridgelux. The product's diode has over 50000 of durability. Power Factor: PF > 0.7. Number of on/off cycles: 50000.

Luminous efficiency: 100 lm/W. The generated light beam 1500 lm.

The product operates in temperatures ranging from temperatur -5 /+40 °C. It's suited for interior applications.



Beam angle



Material (cover)



Lifespan



Number of on/off cycles



Ambient temperature suitable for operation



LED quantity



Installation method

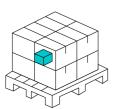


Luminous flux 15 W Wattage 15 W Luminous efficacy 100 lm/W Colour rendering index Ra 85 Energy class A+ / F Colour White Lamp's warm-up time to 60% 1 Supply voltage range and voltage type AC 220-240 50/60 Hz Beam angle 60 ° Ik protection rating 03 Material (flouring) Aluminium Lifespan 50000 Power Factor 0,7 Number of on/off cycles 50000 Height 33 mm IEC protection class II Height 33 mm IEC protection class II Ambient temperature suitable for operation -5 / 40 °C For indoor use YES Colour consistency in McAdam ellipses 43 Warranty (years) 5 Filcker Free YES Led size 158 MS Wire length 150 mm Wiring types 2-wire Single wire thickness	Name of the parameter	Value
Lominous efficacy 100 lm/W Colour rendering index Ra 85 Energy class A+ /F Colour White Lamp's warm-up time to 60% 1 Supply voltage range and voltage type AC 220-240 50/60 Hz Beam angle 60 ° IK protection rating 03 Material Cover) polycarbonate Material (housing) Aluminium Lifespan 50000 Power Factor 0.7 Number of on/off cycles 50000 Height 33 mm IEC protection class II Ambient temperature suitable for operation -5/40 °C For indoor use YES Colour consistency in McAdam ellipses 43 Warranty (years) 5 Flicker Free YES Led size 188/188 Wire length 150 mm Wiring types 2-wire Single wire thickness 0.75 mm2 Storage temperature -25/45 Weight 260 g <	Luminous flux	1500 lm
Colour rendering index Ra 85 Energy class A+ / F Colour White Lamp's warm-up time to 60% 1 Supply voltage range and voltage type AC 220-240 50/60 Hz Beam angle 60° IK protection rating 03 Material Coover polycarbonate Material Coverol polycarbonate Material Coverol 0.7 Number of on/off cycles 50000 Power Factor 0.7 Number of on/off cycles 50000 Height 33 mm IEC protection class II Ambient temperature suitable for operation -5 /440°C For indoor use YES Colour consistency in McAdam ellipses 43 Warranty (years) 5 Flicker Free YES Led size 158xl58 Wire length 150 mm Wiring types 2-wire Storage temperature -25/445 Weight 260 g Type of cable Double insulated <	Wattage	15 W
Energy class A+/F Colour White Lamp's warm-up time to 60% 1 Supply voltage range and voltage type AC 220-240 50/60 Hz Beam angle 60 ° IK protection rating 03 Material (cover) polycarbonate Material (housing) Aluminium Lifespan 500000 Power Factor 0.7 Number of on/off cycles 500000 Height 33 mm IEC protection class II Ambient temperature suitable for operation -5/440 °C For indoor use YES Colour consistency in McAdam ellipses 43 Warranty (years) 5 Flicker Free YES Led size 158x158 Wire length 150 mm Wiring types 2-wire Single wire thickness 0.75 mm2 Storage temperature -25/445 Weight 260 g Type of cable Double insulated Output current 0,35 A	Luminous efficacy	100 lm/W
Colour White Lamp's warm-up time to 60% 1 Supply voltage range and voltage type AC 220-240 50/60 Hz Beam angle 60 ° IK protection rating 03 Material (cover) polycarbonate Material (housing) Aluminium Lifespan 50000 Power Factor 0,7 Number of on/off cycles 50000 Height 33 mm IEC protection class II EC protection class II	Colour rendering index Ra	85
Lamp's warm-up time to 60% Supply voltage range and voltage type Beam angle IK protection rating Material (cover) Material (housing) Lifespan Someon Fower Factor Number of on/off cycles Height Ambient temperature suitable for operation For indoor use Colour consistency in McAdam ellipses Warranty (years) Flicker Free Led size Wire length Wiring types Storage temperature Weight Weight Dutput current Weight Dimmer compatibility No Stroboscopic effect metric SVM Materials (other) Metal IP Rating Correlated colour temperature 4000 K LED type Colour correlated colour temperature 4000 K LED type Correlated colour temperature	Energy class	A+/F
Beam angle 60 ° IK protection rating 93 Material (cover) polycarbonate Material (housing) Aluminium Lifespan 50000 Power Factor 0,7 Number of on/off cycles 50000 Height 33 mm IEC protection class II Ambient temperature suitable for operation -5/+40 °C For indoor use YES Colour consistency in McAdam ellipses 43 Warranty (years) 5 Flicker Free YES Led size 158x158 Wire length 150 mm Wiring types 2-wire Single wire thickness 0,75 mm2 Storage temperature Weight 260 g Type of cable 0,004 current Output current 0,45 current Output current 0,45 current Material of reflector Materials (other) Metal IP Rating 20 Correlated colour temperature LED type 10000	Colour	White
Beam angle 60 ° IK protection rating 03 Material (cover) polycarbonate Material (housing) Aluminium Lifespan 50000 Power Factor 0,7 Number of on/off cycles 50000 Height 33 mm IEC protection class II Ambient temperature suitable for operation -5/+40 °C For indoor use YES Colour consistency in McAdam ellipses 43 Warranty (years) 5 Flicker Free YES Led size 158x158 Wire length 150 mm Wiring types 2-wire Single wire thickness 0,75 mm2 Storage temperature Weight 260 g Type of cable 0ouble insulated Output current 0,35 A Dimmer compatibility N0 Stroboscopic effect metric SVM 0,4 Material of reflector Materials (other) Metal IP Rating 20 Correlated colour temperature LED type 10000	Lamp's warm-up time to 60%	1
IK protection rating 03 Material (cover) polycarbonate Material (housing) Aluminium Lifespan 50000 Power Factor 0.7 Number of on/off cycles 50000 Height 33 mm IEC protection class II Ambient temperature suitable for operation -5/440 °C For indoor use YES Colour consistency in McAdam ellipses 43 Warranty (years) 5 Flicker Free YES Led size 158x158 Wire length 150 mm Wiring types 2-wire 5 Single wire thickness 0.75 mm2 Storage temperature Weight 260 g Type of cable Double insulated Output current 0.35 A Dimmer compatibility N0 Stroboscopic effect metric SVM Material of reflector Metal Material of reflector Metal IEC type 1000 K Height 1000 M Material of reflector Metal Materials (other) Metal LED type 1000 C08	Supply voltage range and voltage type	AC 220-240 50/60 Hz
Material (cover)polycarbonateMaterial (housing)AluminiumLifespan50000Power Factor0.7Number of on/off cycles50000Height33 mmIEC protection classIIAmbient temperature suitable for operation-5 /440 °CFor indoor useYESColour consistency in McAdam ellipses43Warranty (years)5Flicker FreeYESLed size158xl58Wire length150 mmWiring types2-wireSingle wire thickness0.75 mm2Storage temperature-25/445Weight260 gType of cableDouble insulatedOutput current0.35 ADimmer compatibilityN0Stroboscopic effect metric SVM0.4Material of reflectorPolyCarbonateMaterial of reflectorMetalIP Rating20Correlated colour temperature4000 KLED typeCOB	Beam angle	60 °
Material (housing) Lifespan 50000 Power Factor 0,7 Number of on/off cycles 50000 Height 33 mm IEC protection class II Ambient temperature suitable for operation -5 /+40 °C For indoor use YES Colour consistency in McAdam ellipses 43 Warranty (years) 5 Flicker Free YES Led size 158x158 Wire length 150 mm Wiring types 2-wire 5 Single wire thickness 0,75 mm2 Storage temperature 4-25/+45 Weight 260 g Type of cable Double insulated 0 Output current 0,35 A Dimmer compatibility N0 Stroboscopic effect metric SVM Metal 1P Rating 20 Correlated colour temperature 4000 K LED type COB	IK protection rating	03
Lifespan 50000 Power Factor 0,7 Number of on/off cycles 500000 Height 33 mm IEC protection class II Ambient temperature suitable for operation -5/40 °C For indoor use YES Colour consistency in McAdam ellipses \$3 Warranty (years) 5 Flicker Free YES Led size 158x158 Wire length 150 mm Wiring types 2-wire Single wire thickness 0.75 mm2 Storage temperature -25/445 Weight 260 g Utput current 0.35 A Dimmer compatibility N0 Stroboscopic effect metric SVM Material of reflector PolyCarbonate Materials (other) Metal IP Rating 20 Correlated colour temperature 4000 K LED type Commerced 1000000000000000000000000000000000000	Material (cover)	polycarbonate
Power Factor 0,7 Number of on/off cycles 50000 Height 33 mm IEC protection class II Ambient temperature suitable for operation -5 /+40 °C For indoor use YES Colour consistency in McAdam ellipses \$3 Warranty (years) 5 Flicker Free YES Led size 158x158 Wire length 150 mm Wiring types 2-wire Single wire thickness 0.75 mm2 Storage temperature -25 /+45 Weight 260 g Type of cable Double insulated Output current 0.35 A Dimmer compatibility N0 Stroboscopic effect metric SVM Material of reflector PolyCarbonate Materials (other) Metal IP Rating 20 Correlated colour temperature 4000 K LED type Codes	Material (housing)	Aluminium
Number of on/off cycles Height 33 mm IEC protection class II Ambient temperature suitable for operation For indoor use Colour consistency in McAdam ellipses VES Colour consistency in McAdam ellipses Sa Warranty (years) Flicker Free YES Led size IS8xIS8 Wire length Viring types Single wire thickness O.75 mm2 Storage temperature VES Veight Colour consistency in McAdam ellipses VES Led size IS8xIS8 Viring types 2-wire Single wire thickness O.75 mm2 Storage temperature VES Veight Vei	Lifespan	50000
Height 33 mm IEC protection class II Ambient temperature suitable for operation -5 /+40 °C For indoor use YES Colour consistency in McAdam ellipses s3 Warranty (years) 5 Flicker Free YES Led size 158x158 Wire length 150 mm Wiring types 2-wire Single wire thickness 0.75 mm2 Storage temperature -25/+45 Weight 260 g Type of cable Double insulated Output current 0.35 A Dimmer compatibility N0 Stroboscopic effect metric SVM 0.4 Material of reflector PolyCarbonate Materials (other) Metal IP Rating 20 Correlated colour temperature 4000 K LED type (CDB)	Power Factor	0,7
IEC protection class Ambient temperature suitable for operation For indoor use YES Colour consistency in McAdam ellipses Warranty (years) Flicker Free Led size 158x158 Wire length Wirning types Single wire thickness Storage temperature Veght Yes Storage temperature Uutput current Output current Output current Output current Dimmer compatibility NO Stroboscopic effect metric SVM Material of reflector Materials (other) IP Rating Correlated colour temperature 125/+40°C YES 43 43 44 45 46 46 46 46 COB III Ambient temperature sitable for operation -5/+40°C FVES -5 -5 -4 -5 -4 -5 -4 -5 -4 -5 -6 -6 -6 -7 -7 -7 -7 -7 -7 -7	Number of on/off cycles	50000
Ambient temperature suitable for operation For indoor use YES Colour consistency in McAdam ellipses 43 Warranty (years) Flicker Free YES Led size 158x158 Wire length 150 mm Wiring types 2-wire Single wire thickness 0.75 mm2 Storage temperature -25/-445 Weight 260 g Type of cable Output current 0.35 A Dimmer compatibility NO Stroboscopic effect metric SVM Material of reflector Materials (other) IP Rating 20 Correlated colour temperature 4000 K LED type YES 43 A A B A A A A A A A A A A	Height	33 mm
For indoor use Colour consistency in McAdam ellipses 43 Warranty (years) Flicker Free YES Led size Led size Wire length Wiring types 2-wire Single wire thickness 0.75 mm2 Storage temperature -25/+45 Weight 260 g Type of cable Double insulated Output current 0.35 A Dimmer compatibility NO Stroboscopic effect metric SVM Material of reflector Materials (other) IP Rating Correlated colour temperature 4000 K LED type COB	IEC protection class	II
Colour consistency in McAdam ellipses Warranty (years) 5 Flicker Free YES Led size 158x158 Wire length 150 mm Wiring types 2-wire Single wire thickness 0.75 mm2 Storage temperature -25/-45 Weight 260 g Type of cable Double insulated Output current 0.35 A Dimmer compatibility NO Stroboscopic effect metric SVM Material of reflector Materials (other) Metal IP Rating 20 Correlated colour temperature \$ 3 \$ 3 \$ 3 \$ 3 \$ 4 \$ 150 mm Avairant Period Perio	Ambient temperature suitable for operation	-5 /+40 °C
Warranty (years) 5 Flicker Free YES Led size 158x158 Wire length 150 mm Wiring types 2-wire Single wire thickness 0.75 mm2 Storage temperature -25/+45 Weight 260 g Type of cable Double insulated Output current 0.35 A Dimmer compatibility NO Stroboscopic effect metric SVM 0.4 Material of reflector PolyCarbonate Materials (other) Metal IP Rating 20 Correlated colour temperature 4000 K LED type COB	For indoor use	YES
Flicker Free YES Led size 158x158 Wire length 150 mm Wiring types 2-wire Single wire thickness 0.75 mm2 Storage temperature -25/+45 Weight 260 g Type of cable Double insulated Output current 0.35 A Dimmer compatibility NO Stroboscopic effect metric SVM 0.4 Material of reflector PolyCarbonate Materials (other) Metal IP Rating 20 Correlated colour temperature 4000 K LED type COB	Colour consistency in McAdam ellipses	≤3
Led size158x158Wire length150 mmWiring types2-wireSingle wire thickness0.75 mm2Storage temperature-25/-445Weight260 gType of cableDouble insulatedOutput current0.35 ADimmer compatibilityNOStroboscopic effect metric SVM0.4Material of reflectorPolyCarbonateMaterials (other)MetalIP Rating20Correlated colour temperature4000 KLED typeCOB	Warranty (years)	5
Wire length 150 mm Wiring types 2-wire Single wire thickness 0.75 mm2 Storage temperature -25/45 Weight 260 g Type of cable Double insulated Output current 0.35 A Dimmer compatibility N0 Stroboscopic effect metric SVM 0.4 Material of reflector PolyCarbonate Materials (other) Metal IP Rating 20 Correlated colour temperature 4000 K LED type Commended 150 mm2 LED type 150 mm2 2-wire 2-wire 260 g 8 4000 K	Flicker Free	YES
Wiring types 2-wire Single wire thickness 0.75 mm2 Storage temperature -25/445 Weight 260 g Type of cable Double insulated Output current 0.35 A Dimmer compatibility NO Stroboscopic effect metric SVM 0.4 Material of reflector PolyCarbonate Materials (other) Metal IP Rating 20 Correlated colour temperature 4000 K LED type COB	Led size	158x158
Single wire thickness 0.75 mm2 Storage temperature -25/+45 Weight 260 g Type of cable Double insulated Output current 0.35 A Dimmer compatibility N0 Stroboscopic effect metric SVM 0.4 Material of reflector PolyCarbonate Materials (other) Metal IP Rating 20 Correlated colour temperature 4000 K LED type C25/+45	Wire length	150 mm
Storage temperature -25/+45 Weight 260 g Type of cable Double insulated Output current 0,35 A Dimmer compatibility NO Stroboscopic effect metric SVM 0.4 Material of reflector PolyCarbonate Materials (other) Metal IP Rating 20 Correlated colour temperature 4000 K LED type Cobs.	Wiring types	2-wire
Weight 260 g Type of cable Double insulated Output current 0,35 A Dimmer compatibility NO Stroboscopic effect metric SVM 0.4 Material of reflector PolyCarbonate Materials (other) Metal IP Rating 20 Correlated colour temperature 4000 K LED type Cobs.	Single wire thickness	0.75 mm2
Type of cable Output current 0.35 A Dimmer compatibility NO Stroboscopic effect metric SVM Material of reflector Materials (other) IP Rating Correlated colour temperature LED type Double insulated 0.35 A NO 0.4 Metal PolyCarbonate Metal LED type COB	Storage temperature	-25/+45
Output current 0,35 A Dimmer compatibility NO Stroboscopic effect metric SVM 0.4 Material of reflector PolyCarbonate Materials (other) Metal IP Rating 20 Correlated colour temperature 4000 K LED type COB	Weight	260 g
Dimmer compatibility Stroboscopic effect metric SVM Material of reflector Metal IP Rating Correlated colour temperature LED type NO 0.4 Metal Metal Metal 4000 K COB	Type of cable	Double insulated
Stroboscopic effect metric SVM Material of reflector Metal IP Rating Correlated colour temperature LED type 0.4 Metal Metal 20 COB	Output current	0,35 A
Material of reflector PolyCarbonate Materials (other) Metal IP Rating 20 Correlated colour temperature 4000 K LED type COB	Dimmer compatibility	NO
Materials (other) IP Rating Correlated colour temperature LED type Metal 4000 K COB	Stroboscopic effect metric SVM	0.4
IP Rating 20 Correlated colour temperature 4000 K LED type COB	Material of reflector	PolyCarbonate
Correlated colour temperature 4000 K LED type COB	Materials (other)	Metal
LED type COB	IP Rating	20
~	Correlated colour temperature	4000 K
LED quantity 1	LED type	COB
	LED quantity	1

Name of the parameter	Value
Lamp's diameter	-
Installation method	recessed
Driver Brand	Lifud
Controller output voltage range	25 - 42
Mounting hole diameter	105 mm
LED manufacturer	Bridgelux
UGR rating	UGR<19
Date of first placement on the market	2021-10-15
Angle for useful luminous flux (EPREL)	Narrow cone of 90 degrees
Is the product equipped with an integrated light source? (EPREL)	No
Total luminous flux (EPREL)	1500
Is this product a light source? (EPREL)	Yes
Beam angle in degrees (EPREL)	60
On-mode power Pon (EPREL)	15
Networked standby power Pnet (EPREL)	0
Lifetime L70B50	50000
The lumen maintenance factor	96
Connected light source (EPREL)	No
Useful luminous flux Φuse (EPREL)	1350
Non-directional or directional light source (EPREL)	DLS
Mains or non- mains light source (EPREL)	MLS
Colour-tuneable light source (EPREL)	No
Chromaticity coordinates x i y (EPREL)	0.3810.377
Dimmable function	No
Peak luminous intensity (EPREL)	2085 cd
R9 colour rendering index value (EPREL)	11
Survival factor	0.9
Flicker metric PstLM	1
Standby power Psb	0
EPREL ID	778674
Form of the product (EPREL)	-
Energy efficiency class 2019/2015	F
Colour consistency in McAdam ellipses	≤3
Displacement factor Df	0.7
Contain icon	-

LED line®

Pre-packaging



Shipping carton

60

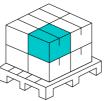
135

125

0,04

Type
Width [mm]
Height [mm]
Length [mm]
Weight [kg]

Cumulative packaging



 Number of pieces
 40

 Width [mm]
 290

 Height [mm]
 215

 Length [mm]
 490

 Weight [kg]
 14,5

 Volume [m3]
 0,052

 Type of carton box
 Cardboard