6° ULTRA NARROW BEAM STATIC WHITE





#### **OVERVIEW**

Evo 16 Glare Guard is a Constant Voltage single source LED spotlight that is machined from aerospace grade aluminium 6063-T6 and comes as standard in white, black and brushed aluminium along with three premium brass finishes. It has five site-changeable optics for flexible beam distribution and fully lockable bearing aided pan and tilt. The ultra narrow beam in our 9.00W 700lm module has a peak intensity of 28223cd. An accessory holder is available separately that can accommodate 55mm (2.16") lenses and louvers. The Jack Plug is compatible with Precision Lighting's 24V Jack systems. The onboard 24V DC driver ensures overcurrent protection and is not polarity sensitive. An external AC to 24V DC power supply is required.

Part L1A / L1B (Dwellings)

Part L2A (General)

Part L2A (Display)



#### **PERFORMANCE**

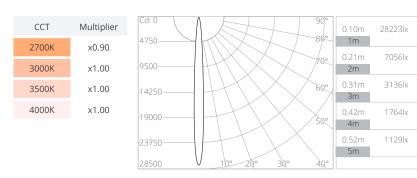
FWHM	6°
Luminous Flux	650 lm
Peak Intensity	28223 cd
ССТ	2700K   3000K   3500K   4000K
CRI Min.	92 TYP
Drive Current	375 mA
Nom. Voltage	24 V
Max. Wattage	9.00 W
Dimming	0-10V   DALI
Driver Type	Constant Voltage   Remote AC to 24VDC
Class	SELV   Class III

Category	IP20
Material	Machined AL 6063-T6   Machined Brass
Finishes	Brushed Aluminium   White RAL9010   Black RAL9005   Rubbed Bronze*   Polished Brass*   Brushed Brass *
Weight	430g   0.95lb
Mounting	Basis Track   24V Monopoints
Movement	Pan 360°   Tilt 180°
Lockable	Pan & Tilt
Accessories	Separate   Snoots   Louver   Lenses 55mm (2.16")
TM65   TM66	18.4kgCO2e   2.4
Lifetime	L90B10 100,000hrs   5 year warranty

# **DIMENSIONS**

# 220 (8.66) (6.02) 066 (Ø2.59) mm (inches)

#### **PHOTOMETRY**



Data at 3000K

0.3

3′

6'

0.9

9'

12'

1.6'

1 9

18′

784fc

348fc

87fc

#### **ORDER CODE**

	Mounting		Model			Finish			ССТ		Beam Angle
		-	491	-			-				
	Luminaire Only †				WH	White RAL 9010		2792	2700K 92CRI	UN	Ultra Narrow 6°
ВТ	Basis Track‡				ВК	Black RAL 9005		3092	3000K 92CRI	NA	Narrow 10°
MPZ	Surface Monopoint				AL	Brushed Aluminium ‡		3592	3500K 92CRI	ME	Medium 15°
MPS	Trimless Monopoint				RB	Rubbed Bronze ‡		4092	4000K 92CRI	FL	Flood 30°
MPY	Node Monopoint				РВ	Polished Brass				WF	Wide Flood 55°
MPX	Flat Monopoint				SB	Brushed Brass					

Example Code: MPZ-491-WH-3092UN

<sup>†</sup> This luminaire requires a mounting option, if ordering individually mounting option must be ordered separately

<sup>‡</sup> Basis Track is only available in **AL** Brushed Aluminium and **RB** Rubbed Bronze Finishes

Orecision by luminii

10° NARROW BEAM STATIC WHITE



#### **OVERVIEW**

Evo 16 Glare Guard is a Constant Voltage single source LED spotlight that is machined from aerospace grade aluminium 6063-T6 and comes as standard in white, black and brushed aluminium along with three premium brass finishes. It has five site-changeable optics for flexible beam distribution and fully lockable bearing aided pan and tilt. The narrow beam in our 9.00W 700lm module has a peak intensity of 15476cd. An accessory holder is available separately that can accommodate 55mm (2.16") lenses and louvers. The Jack Plug is compatible with Precision Lighting's 24V Jack systems. The onboard 24V DC driver ensures overcurrent protection and is not polarity sensitive. An external AC to 24V DC power supply is required.

Part L1A / L1B (Dwellings)

Part L2A (General)

Part L2A (Display)



#### **PERFORMANCE**

FWHM	10°
Luminous Flux	653 lm
Peak Intensity	15476 cd
ССТ	2700K   3000K   3500K   4000K
CRI Min.	92 TYP
Drive Current	375 mA
Nom. Voltage	24 V
Max. Wattage	9.00 W
Dimming	0-10V   DALI
Driver Type	Constant Voltage   Remote AC to 24VDC
Class	SELV   Class III

Category	IP20
Material	Machined AL 6063-T6   Machined Brass
Finishes	Brushed Aluminium   White RAL9010   Black RAL9005   Rubbed Bronze*   Polished Brass*   Brushed Brass *
Weight	430g   0.95lb
Mounting	Basis Track   24V Monopoints
Movement	Pan 360°   Tilt 180°
Lockable	Pan & Tilt
Accessories	Separate   Snoots   Louver   Lenses 55mm (2.16")
TM65   TM66	18.4kgCO2e   2.4
Lifetime	L90B10 100,000hrs   5 year warranty

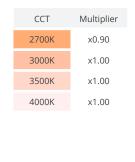
#### **DIMENSIONS**

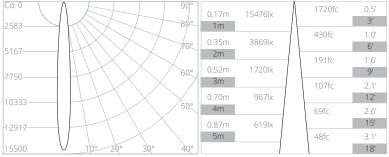
# 220 (8.66)

Ø66

(Ø2.59) mm (inches)

#### **PHOTOMETRY**





Data at 3000K

#### ORDER CODE

	Mounting		Model			Finish			ССТ		Beam Angle
		-	491	-			-				
	Luminaire Only †				WH	White RAL 9010		2792	2700K 92CRI	UN	Ultra Narrow 6°
BT	Basis Track‡				ВК	Black RAL 9005		3092	3000K 92CRI	NA	Narrow 10°
MPZ	Surface Monopoint				AL	Brushed Aluminium ‡		3592	3500K 92CRI	ME	Medium 15°
MPS	Trimless Monopoint				RB	Rubbed Bronze ‡		4092	4000K 92CRI	FL	Flood 30°
MPY	Node Monopoint				РВ	Polished Brass				WF	Wide Flood 55°
MPX	Flat Monopoint				SB	Brushed Brass					

Example Code: MPZ-491-WH-3092NA

<sup>†</sup> This luminaire requires a mounting option, if ordering individually mounting option must be ordered separately

<sup>‡</sup> Basis Track is only available in **AL** Brushed Aluminium and **RB** Rubbed Bronze Finishes

16° MEDIUM BEAM STATIC WHITE





#### **OVERVIEW**

Evo 16 Glare Guard is a Constant Voltage single source LED spotlight that is machined from aerospace grade aluminium 6063-T6 and comes as standard in white, black and brushed aluminium along with three premium brass finishes. It has five site-changeable optics for flexible beam distribution and fully lockable bearing aided pan and tilt. The medium beam in our 9.00W 700lm module has a peak intensity of 5671cd. An accessory holder is available separately that can accommodate 55mm (2.16") lenses and louvers. The Jack Plug is compatible with Precision Lighting's 24V Jack systems. The onboard 24V DC driver ensures overcurrent protection and is not polarity sensitive. An external AC to 24V DC power supply is required.

Part L1A / L1B (Dwellings)

Part L2A (General)

Part L2A (Display)



#### **PERFORMANCE**

FWHM	16°
Luminous Flux	623 lm
Peak Intensity	5671 cd
ССТ	2700K   3000K   3500K   4000K
CRI Min.	92 TYP
Drive Current	375 mA
Nom. Voltage	24 V
Max. Wattage	9.00 W
Dimming	0-10V   DALI
Driver Type	Constant Voltage   Remote AC to 24VDC
Class	SELV   Class III

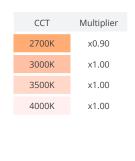
Category	IP20
Material	Machined AL 6063-T6   Machined Brass
Finishes	Brushed Aluminium   White RAL9010   Black RAL9005   Rubbed Bronze*   Polished Brass*   Brushed Brass *
Weight	430g   0.95lb
Mounting	Basis Track   24V Monopoints
Movement	Pan 360°   Tilt 180°
Lockable	Pan & Tilt
Accessories	Separate   Snoots   Louver   Lenses 55mm (2.16")
TM65   TM66	18.4kgCO2e   2.4
Lifetime	L90B10 100,000hrs   5 year warranty

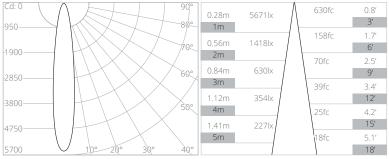
# **DIMENSIONS**

# 220 (8.66)

(Ø2.59) mm (inches)

#### **PHOTOMETRY**





Data at 3000K

#### ORDER CODE

	Mounting		Model			Finish			ССТ		Beam Angle
		-	491	-			-				
	Luminaire Only †				WH	White RAL 9010		2792	2700K 92CRI	UN	Ultra Narrow 6°
ВТ	Basis Track ‡				ВК	Black RAL 9005		3092	3000K 92CRI	NA	Narrow 10°
MPZ	Surface Monopoint				AL	Brushed Aluminium ‡		3592	3500K 92CRI	ME	Medium 15°
MPS	Trimless Monopoint				RB	Rubbed Bronze‡		4092	4000K 92CRI	FL	Flood 30°
MPY	Node Monopoint				PB	Polished Brass				WF	Wide Flood 55°
MPX	Flat Monopoint				SB	Brushed Brass					

Example Code: MPZ-491-WH-3092ME

<sup>†</sup> This luminaire requires a mounting option, if ordering individually mounting option must be ordered separately

<sup>‡</sup> Basis Track is only available in **AL** Brushed Aluminium and **RB** Rubbed Bronze Finishes

30° FLOOD BEAM STATIC WHITE





#### **OVERVIEW**

Evo 16 Glare Guard is a Constant Voltage single source LED spotlight that is machined from aerospace grade aluminium 6063-T6 and comes as standard in white, black and brushed aluminium along with three premium brass finishes. It has five site-changeable optics for flexible beam distribution and fully lockable bearing aided pan and tilt. The flood beam in our 9.00W 700lm module has a peak intensity of 1652cd. An accessory holder is available separately that can accommodate 55mm (2.16") lenses and louvers. The Jack Plug is compatible with Precision Lighting's 24V Jack systems. The onboard 24V DC driver ensures overcurrent protection and is not polarity sensitive. An external AC to 24V DC power supply is required.

Part L1A / L1B (Dwellings)

Part L2A (General)

Part L2A (Display)



#### **PERFORMANCE**

FWHM	30°
Luminous Flux	637 lm
Peak Intensity	1652 cd
CCT	2700K   3000K   3500K   4000K
CRI Min.	92 TYP
Drive Current	375 mA
Nom. Voltage	24 V
Max. Wattage	9.00 W
Dimming	0-10V   DALI
Driver Type	Constant Voltage   Remote AC to 24VDC
Class	SELV   Class III

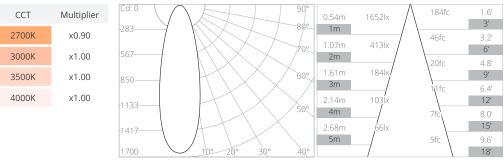
Category	IP20
Material	Machined AL 6063-T6   Machined Brass
Finishes	Brushed Aluminium   White RAL9010   Black RAL9005   Rubbed Bronze*   Polished Brass*   Brushed Brass *
Weight	430g   0.95lb
Mounting	Basis Track   24V Monopoints
Movement	Pan 360°   Tilt 180°
Lockable	Pan & Tilt
Accessories	Separate   Snoots   Louver   Lenses 55mm (2.16")
TM65   TM66	18.4kgCO2e   2.4
Lifetime	L90B10 100,000hrs   5 year warranty

#### **DIMENSIONS**

# 220 (8.66) (6.02) 066 (Ø2.59)

mm (inches)

#### **PHOTOMETRY**



Data at 3000K

#### ORDER CODE

	Mounting		Model		Finish		ССТ		Beam Angle			
		-	491	-			-					
	Luminaire Only †				WH	White RAL 9010		2792	2700K 92CRI		UN	Ultra Narrow 6°
BT	Basis Track‡				ВК	Black RAL 9005		3092	3000K 92CRI		NA	Narrow 10°
MPZ	Surface Monopoint				AL	Brushed Aluminium ‡		3592	3500K 92CRI		ME	Medium 15°
MPS	Trimless Monopoint				RB	Rubbed Bronze‡		4092	4000K 92CRI		FL	Flood 30°
MPY	Node Monopoint				PB	Polished Brass					WF	Wide Flood 55°
MPX	Flat Monopoint				SB	Brushed Brass						

Example Code: MPZ-491-WH-3092FL

<sup>†</sup> This luminaire requires a mounting option, if ordering individually mounting option must be ordered separately

<sup>‡</sup> Basis Track is only available in **AL** Brushed Aluminium and **RB** Rubbed Bronze Finishes

50° WIDE FLOOD BEAM STATIC WHITE





#### **OVERVIEW**

Evo 16 Glare Guard is a Constant Voltage single source LED spotlight that is machined from aerospace grade aluminium 6063-T6 and comes as standard in white, black and brushed aluminium along with three premium brass finishes. It has five site-changeable optics for flexible beam distribution and fully lockable bearing aided pan and tilt. The wide flood beam in our 9.00W 700lm module has a peak intensity of 633cd. An accessory holder is available separately that can accommodate 55mm (2.16") lenses and louvers. The Jack Plug is compatible with Precision Lighting's 24V Jack systems. The onboard 24V DC driver ensures overcurrent protection and is not polarity sensitive. An external AC to 24V DC power supply is required.

Part L1A / L1B (Dwellings)

Part L2A (General)

Part L2A (Display)



#### **PERFORMANCE**

FWHM	50°
Luminous Flux	605 lm
Peak Intensity	633 cd
ССТ	2700K   3000K   3500K   4000K
CRI Min.	92 TYP
Drive Current	375 mA
Nom. Voltage	24 V
Max. Wattage	9.00 W
Dimming	0-10V   DALI
Driver Type	Constant Voltage   Remote AC to 24VDC
Class	SELV   Class III

Category	IP20							
Material	Machined AL 6063-T6   Machined Brass							
Finishes	Brushed Aluminium   White RAL9010   Black RAL9005   Rubbed Bronze*   Polished Brass*   Brushed Brass *							
Weight	430g   0.95lb							
Mounting	Basis Track   24V Monopoints							
Movement	Pan 360°   Tilt 180°							
Lockable	Pan & Tilt							
Accessories	Separate   Snoots   Louver   Lenses 55mm (2.16")							
TM65   TM66	18.4kgCO2e   2.4							
Lifetime	L90B10 100,000hrs   5 year warranty							

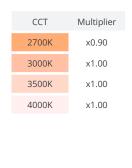
#### **DIMENSIONS**

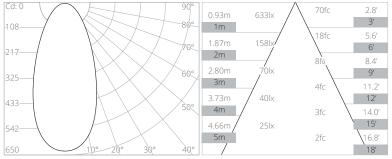
# 220 (8.66)

Ø66

(Ø2.59) mm (inches)

#### **PHOTOMETRY**





Data at 3000K

#### ORDER CODE

	Mounting		Model			Finish	ССТ		CCT	Beam Angle	
		-	491	-			-				
	Luminaire Only †				WH	White RAL 9010		2792	2700K 92CRI	UN	Ultra Narrow 6°
ВТ	Basis Track‡				ВК	Black RAL 9005		3092	3000K 92CRI	NA	Narrow 10°
MPZ	Surface Monopoint				AL	Brushed Aluminium ‡		3592	3500K 92CRI	ME	Medium 15°
MPS	Trimless Monopoint				RB	Rubbed Bronze ‡		4092	4000K 92CRI	FL	Flood 30°
MPY	Node Monopoint				PB	Polished Brass				WF	Wide Flood 55°
MPX	Flat Monopoint				SB	Brushed Brass					

Example Code: MPZ-491-WH-3092WF

<sup>†</sup> This luminaire requires a mounting option, if ordering individually mounting option must be ordered separately

<sup>‡</sup> Basis Track is only available in **AL** Brushed Aluminium and **RB** Rubbed Bronze Finishes

# 24V CONSTANT VOLTAGE 16 SERIES



DRIVER COMPATIBILITY

#### **DRIVERS**

# 100W | DIMMING: 1-10V

NO. OF LIGHTS PER DRIVER 1 to 9 **VOLTAGE REGION** 230V FOR NORTH AMERICA No WATTAGE 100W **OUTPUT VOLTAGE 24V** SUPPLY TYPE Constant Voltage **DRIVER LOCATION** Remote



ORDER CODE PSCV-100-24-A-OS

**LENGTH** 240mm (9.44") **WIDTH** 50mm (1.96")

**HEIGHT** 34mm (1.34")





# 130W | DIMMING: 1-10V

NO. OF LIGHTS PER DRIVER 1 to 12 **VOLTAGE REGION 230V** 

FOR NORTH AMERICA No WATTAGE 130W **OUTPUT VOLTAGE 24V** SUPPLY TYPE Constant Voltage **DRIVER LOCATION** Remote

I IVF +OUT **NEUTRAL** -OUT FARTH • 0-10V + 0-10V -

ORDER CODE PSCV-130-24-A-OS

**LENGTH** 240mm (9.44") **WIDTH** 63mm (2.48")

**HEIGHT** 37mm (1.46")





#### 100W | DIMMING: DALI

NO. OF LIGHTS PER DRIVER 1 to 10 **VOLTAGE REGION** 230V FOR NORTH AMERICA No WATTAGE 130W **OUTPUT VOLTAGE 24V** SUPPLY TYPE Constant Voltage

ORDER CODE PSCV-100-24-D-EL

**DRIVER LOCATION** Remote



**LENGTH** 388mm (15.2") **WIDTH** 42mm (1.65")

HEIGHT 30mm (1.18")





# 24V CONSTANT VOLTAGE 16 SERIES



DRIVER COMPATIBILITY

#### **DRIVERS**

# 100W | DIMMING: 1-10V

NO. OF LIGHTS PER DRIVER 1 to 9 **VOLTAGE REGION 120V** FOR NORTH AMERICA Yes WATTAGE 100W **OUTPUT VOLTAGE 24V SUPPLY TYPE** Constant Voltage **DRIVER LOCATION** Remote



ORDER CODE USCV-100-24-A-MW-ENC

**LENGTH** 550mm (21.6") **WIDTH** 65mm (2.60")

**HEIGHT** 57mm (2.25")



#### 96W | DIMMING: PHASE

NO. OF LIGHTS PER DRIVER 1 to 8 **VOLTAGE REGION** 120V FOR NORTH AMERICA Yes WATTAGE 96W **OUTPUT VOLTAGE 24V** SUPPLY TYPE Constant Voltage

**DRIVER LOCATION** Remote



ORDER CODE USCV-96-24-P-LU

**LENGTH** 380mm (14.9") **WIDTH** 77mm (3.03")

**HEIGHT** 57mm (2.24")



#### 100W | DIMMING: DALI

NO. OF LIGHTS PER DRIVER 1 to 9 **VOLTAGE REGION** 120V FOR NORTH AMERICA Yes WATTAGE 100W **OUTPUT VOLTAGE 24V** SUPPLY TYPE Constant Voltage **DRIVER LOCATION** Remote

LIVE • +OUT NEUTRAL • OUT FARTH -DALI DALI

ORDER CODE USCV-100-24-D-EL-ENC

**LENGTH** 550mm (21.6") **WIDTH** 65mm (2.60")

HEIGHT 57mm (2.25")



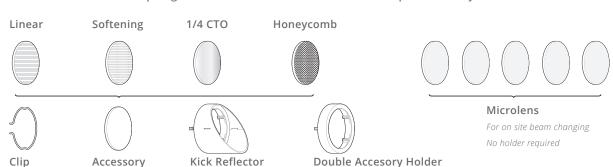
# 16 SERIES SPOTLIGHT ACCESSORIES



FOR USE WITH EVO 16 | RETRO 16 | MICROSPOT 16

#### **ACCESSORIES**

The 16 series track and surface spotlights can accomodate accessories with snap in accessory holders.



Can hold 2 accessories

# Double Accessory Holder

Included with holder

Can hold 2 accessories

 HEIGHT
 14mm ( 0.551" )

 DAIMETER
 63mm ( 2.480" )

PART CODE 254-BK



Can hold 2 accessories

#### Kick Reflector Accessory Holder

Use only with the Glare Guard Snoot

 HEIGHT
 54mm ( 2.126" )

 DAIMETER
 63mm ( 2.480" )

PART CODE 255-BK



# Honeycomb Louvre

Enhances glare control

 THICKNESS
 3.2mm ( 0.126")

 DAIMETER
 55mm ( 2.165")

PART CODE 995-55-BK



#### 1/4 CTO Dichroic

CCT warming - approx 300K

**THICKNESS** 1.8mm ( 0.071" ) **DAIMETER** 55mm ( 2.165" )

**PART CODE** 997-1/4CTO-55



### Softening Lens

Heavy Diffusion of beam

**THICKNESS** 3.2mm ( 0.126" ) **DAIMETER** 55mm ( 2.165" )

**PART CODE** 991-55



### Linear Lens

Elongates beam

**THICKNESS** 3.9mm ( 0.154" ) **DAIMETER** 55mm ( 2.165" )

**PART CODE** 992-55



#### **OPTICS**

# Microlens - Intense Light Engine Only

For on site beam angle changes. No holder required.

**THICKNESS** 1.0mm ( 0.039" ) **DAIMETER** 49.5mm ( 1.949" )

PART CODE 931-01 Ultra Narrow

931-02 Narrow 931-03 Medium 931-04 Flood 931-05 Wide Flood



# 24V CONSTANT VOLTAGE SYSTEM

MOUNTING OPTIONS

#### **MOUNTING OPTIONS**

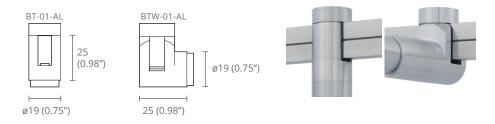
#### **BT & BTW - BASIS TRACK**

#### For use with Precision Lighting Basis Track

ADAPTOR CODE FINISH

BT-01-AL Brushed Aluminium BT-01-RB Rubbed Bronze

BTW-01-AL Brushed Aluminium BTW-01-RB Rubbed Bronze

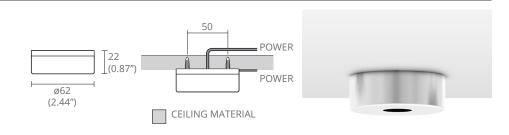


#### **MPZ - SURFACE MONOPOINT**

#### For blind mounting on solid surfaces

#### MONOPOINT CODE FINISH

MPZ-01-ALBrushed AluminiumMPZ-01-WHWhite RAL 9010MPZ-01-BKBlack RAL 9005MPZ-01-RBRubbed BronzeMPZ-01-PBPolished BrassMPZ-01-SBBrushed Brass



#### **MPS - TRIMLESS MONOPOINT**

#### For use with plasterboard / sheetrock

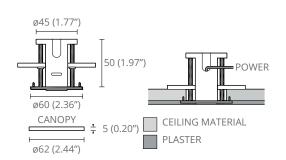
Note: Canopy not standard, for non-trimless install.

#### MONOPOINT CODE FINISH

MPS-01-AL Brushed Aluminium

CANOPY CODE FINISH

MPS-02-AL Brushed Aluminium
MPS-02-BK Black RAL 9005
MPS-02-WH White RAL 9010





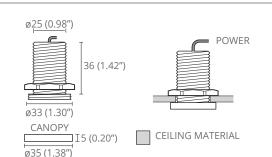
### **MPY - NODE MONOPOINT**

#### For use in cabinetry

Note: rear access required after install

# MONOPOINT CODE FINISH

MPY-05-AL Brushed Aluminium
MPY-05-WH White RAL 9010
MPY-05-BK Black RAL 9005
MPY-05-RB Rubbed Bronze
MPY-05-PB Polished Brass
MPY-05-SB Brushed Brass





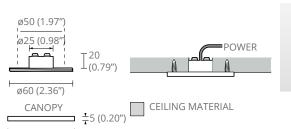
#### **MPX - FLAT MONOPOINT**

#### For use with most mounting surfaces

Note: wiring void required

# MONOPOINT CODE FINISH

MPX-02-AL Brushed Aluminium
MPX-02-WH White RAL 9010
MPX-02-BK Black RAL 9005
MPX-02-RB Rubbed Bronze
MPX-01-PB Polished Brass
MPX-01-SB Brushed Brass





RCLPLLSALES@LUMINII.COM LUMINII.COM | PRECISIONLIGHTING.CO.UK

ø62 (2.44")