PHILIPS Lighting



Iridium² LED Large

BGP353 GRN137-3S/740 DM AL GR P1 T15

Iridium² LED Large, LED GreenLine 13700 lm, 740 neutral white, Distribution medium, Grey, NEMA socket for photocell

Iridium² is a family of road-lighting luminaires designed for performance and sustainability. Depending on the application and budget, customers can start with LED, electronic HID or a mix of both technologies with the same luminaire. Whatever the initial choice, Iridium²'s modularity allows customers to upgrade their installations (LED to LED or e-HID to LED) whenever they want, simply by changing the light engine. The integration of LEDGINE, brand new HID optics, electronic gear and controls is a response to the growing demand for energy savings. The new Iridium² HID optics are designed to deliver best-in-class lighting performance while offering tremendous flexibility in application. All these features, combined with Iridium²'s ease of installation and maintenance, ensure that customers enjoy low cost of ownership.

Product data

General Information	
Lamp family code	GRN137 [LED GreenLine 13700 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Photocell	NEMA socket for photocell
Light source engine type	LED
Product family code	BGP353 [Iridium ² LED Large]
Lighting Technology	LED
Embedded control	-
CE mark	Yes
Warranty period	5 years

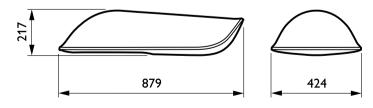
Flammability mark	-
ENEC mark	-
EU RoHS compliant	No
Light Technical	
Upward light output ratio	0
Luminous Flux	12,262 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	119 lm/W
Color rendering index (CRI)	70

Iridium² LED Large

Light source color740 neutral whiteOptical cover typeFlat glassLuminaire light beam spread150° x 62°Optic type outdoorDistribution mediumOperating and ElectricalImput VoltageLine Frequency50 to 60 HzInrush current53 APower Consumption0.3 msPower Factor (Fraction)0.9ConnectionPlug-in connector 3-pole Wieland/Adels compatibleCable-Number of products on MCB of 16 A type B8Temperature-25 to +25 °CControls and DimmingNoDirwer/power unit/transformerPower supply unit regulatingConstant light outputNoPriver/power unit/transformerPower supply unit regulatingConstant light outputNoPolycarbonateQuicarbonateOptical cover materialAcrylateOptical cover materialTempered glassFixation materialStainless steelHousing ColorGreyMoonting deviceUniversal for diameter 48 to 76 mm		
Optical cover typeFlat glassLuminaire light beam spread150° x 62°Optic type outdoorDistribution mediumOperating and ElectricalInput VoltageInput Voltage220 to 240 VLine Frequency50 to 60 HzInrush current53 APower Consumption103 WPower Consumption0.9ConnectionPlug-in connector 3-pole Wieland/Adels compatibleCable-Number of products on MCB of 16 A type B8Temperature-25 to +25 °CControls and DimmingNoDirmableNoDriver/power unit/transformerPower supply unit regulatingConstant light outputNoMechanical and HousingAluminum die castReflector materialAcrylateOptical cover materialTempered glassFixation materialStainless steelHousing ColorGreyMounting deviceUniversal for diameter 48 to 76 mm	Number of light sources	96
Luminaire light beam spread 150° x 62° Optic type outdoor Distribution medium Operating and Electrical Input Voltage Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 53 A Inrush time 0.3 ms Power Consumption 103 W Power Factor (Fraction) 0.9 Connection Plug-in connector 3-pole Wieland/Adels compatible Cable - Number of products on MCB of 16 A type B 8 Temperature -25 to +25 °C Controls and Dimming No Dimmable No Driver/power unit/transformer Power supply unit regulating Constant light output No Mechanical and Housing Aluminum die cast Reflector material Acrylate Optical cover material Tempered glass Fixation material Stainless steel Housing Color Grey Mounting device Universal for diameter 48 to 76 mm	Light source color	740 neutral white
Optic type outdoor Distribution medium Operating and Electrical Input Voltage Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 53 A Inrush current 0.3 ms Power Consumption 103 W Power Consumption 0.9 Connection Plug-in connector 3-pole Wieland/Adels compatible Cable - Number of products on MCB of 16 A type B 8 Temperature -25 to +25 °C Controls and Dimming No Dimmable No Driver/power unit/transformer Power supply unit regulating Constant light output No Mechanical and Housing Aluminum die cast Reflector material Acrylate Optic al cover material Polycarbonate Optical cover material Stainless steel Housing Color Grey Mounting device Universal for diameter 48 to 76 mm	Optical cover type	Flat glass
Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 53 A Inrush time 0.3 ms Power Consumption 103 W Power Factor (Fraction) 0.9 Connection Plug-in connector 3-pole Wieland/Adels compatible Cable - Cable - Temperature - Ambient temperature range -25 to +25 °C Controls and Dimming No Dimmable No Driver/power unit/transformer Power supply unit regulating Constant light output No Mechanical and Housing Aluminum die cast Reflector material Acrylate Optic material Polycarbonate Optica cover material Tempered glass Fixation material Stainless steel Housing Color Grey Mounting device Universal for diameter 48 to 76 mm	Luminaire light beam spread	150° x 62°
Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 53 A Inrush time 0.3 ms Power Consumption 103 W Power Factor (Fraction) 0.9 Connection Plug-in connector 3-pole Wieland/Adels compatible Cable - Number of products on MCB of 16 A type B 8 Temperature Ambient temperature range -25 to +25 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit regulating Constant light output No Mechanical and Housing Housing Material Aluminum die cast Reflector material Acrylate Optic and prover unit and the state of the sta	Optic type outdoor	Distribution medium
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Inrush time0.3 msPower Consumption103 WPower Factor (Fraction)0.9ConnectionPlug-in connector 3-pole Wieland/Adels compatibleCable-Number of products on MCB of 16 A type B8Temperature-25 to +25 °CAmbient temperature range-25 to +25 °CControls and DimmingNoDimmableNoDriver/power unit/transformerPower supply unit regulatingConstant light outputNoMechanical and HousingAluminum die castReflector materialAcrylateOptic materialPolycarbonateOptical cover materialStainless steelHousing ColorGreyMounting deviceUniversal for diameter 48 to 76 mm	Line Frequency	50 to 60 Hz
Power Consumption103 WPower Factor (Fraction)0.9ConnectionPlug-in connector 3-pole Wieland/Adels compatibleCable-Number of products on MCB of 16 A type B8Temperature-25 to +25 °CAmbient temperature range-25 to +25 °CControls and DimmingNoDimmableNoDriver/power unit/transformerPower supply unit regulatingConstant light outputNoMechanical and HousingAluminum die castReflector materialAlcrylateOptic a cover materialTempered glassFixation materialStainless steelHousing ColorGreyMounting deviceUniversal for diameter 48 to 76 mm	Inrush current	53 A
Power Factor (Fraction) 0.9 Connection Plug-in connector 3-pole Wieland/Adels compatible Cable - Number of products on MCB of 16 A type B 8 Temperature -25 to +25 °C Ambient temperature range -25 to +25 °C Controls and Dimming No Dimmable No Driver/power unit/transformer Power supply unit regulating Constant light output No Mechanical and Housing Aluminum die cast Reflector material Acrylate Optic material Polycarbonate Optical cover material Stainless steel Housing Color Grey Mounting device Universal for diameter 48 to 76 mm	Inrush time	0.3 ms
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compatible Cable - Number of products on MCB of 16 A type B 8 Temperature -25 to +25 °C Ambient temperature range -25 to +25 °C Controls and Dimming No Dimmable No Driver/power unit/transformer Power supply unit regulating Constant light output No Mechanical and Housing Housing Material Acrylate Optic material Optic naterial Polycarbonate Optical cover material Stainless steel Housing Color Grey Mounting device Universal for diameter 48 to 76 mm	Power Factor (Fraction)	0.9
Cable-Number of products on MCB of 16 A type B8Temperature-Ambient temperature range-25 to +25 °CControls and DimmingNoDimmableNoDriver/power unit/transformerPower supply unit regulatingConstant light outputNoMechanical and Housing-Housing MaterialAluminum die castReflector materialAcrylateOptic materialTempered glassFixation materialStainless steelHousing ColorGreyMounting deviceUniversal for diameter 48 to 76 mm	Connection	Plug-in connector 3-pole Wieland/Adels
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Temperature Ambient temperature range -25 to +25 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit regulating Constant light output No Mechanical and Housing No Housing Material Aluminum die cast Reflector material Acrylate Optic material Polycarbonate Optical cover material Tempered glass Fixation material Stainless steel Housing Color Grey Mounting device Universal for diameter 48 to 76 mm	Cable	-
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Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit regulating Constant light output No Mechanical and Housing Housing Material Aluminum die cast Reflector material Acrylate Optic material Polycarbonate Optical cover material Fixation material Stainless steel Housing Color Grey Mounting device Universal for diameter 48 to 76 mm	Temperature	
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Constant light output No Mechanical and Housing Housing Material Aluminum die cast Reflector material Acrylate Optic material Polycarbonate Optical cover material Tempered glass Fixation material Stainless steel Housing Color Grey Mounting device Universal for diameter 48 to 76 mm	Dimmable	No
Mechanical and Housing Housing Material Aluminum die cast Reflector material Acrylate Optic material Polycarbonate Optical cover material Tempered glass Fixation material Stainless steel Housing Color Grey Mounting device Universal for diameter 48 to 76 mm	Driver/power unit/transformer	Power supply unit regulating
Housing Material Aluminum die cast Reflector material Acrylate Optic material Polycarbonate Optical cover material Tempered glass Fixation material Stainless steel Housing Color Grey Mounting device Universal for diameter 48 to 76 mm	Constant light output	No
Housing Material Aluminum die cast Reflector material Acrylate Optic material Polycarbonate Optical cover material Tempered glass Fixation material Stainless steel Housing Color Grey Mounting device Universal for diameter 48 to 76 mm		
Reflector material Acrylate Optic material Polycarbonate Optical cover material Tempered glass Fixation material Stainless steel Housing Color Grey Mounting device Universal for diameter 48 to 76 mm	Mechanical and Housing	
Optic material Polycarbonate Optical cover material Tempered glass Fixation material Stainless steel Housing Color Grey Mounting device Universal for diameter 48 to 76 mm	Housing Material	Aluminum die cast
Optical cover material Tempered glass Fixation material Stainless steel Housing Color Grey Mounting device Universal for diameter 48 to 76 mm	Reflector material	Acrylate
Fixation material Stainless steel Housing Color Grey Mounting device Universal for diameter 48 to 76 mm	Optic material	Polycarbonate
Fixation material Stainless steel Housing Color Grey Mounting device Universal for diameter 48 to 76 mm	Optical cover material	
Mounting device Universal for diameter 48 to 76 mm	Fixation material	
Mounting device Universal for diameter 48 to 76 mm	Housing Color	Grey
	Mounting device	Universal for diameter 48 to 76 mm
	Optical cover shape	Flat

Overall length879 mmOverall width424 mmOverall height217 mmEffective projected area0.14 m²Dimensions (Height x Width x Depth)217 x 424 x 879 mmParts colorAll parts coloredApproval and ApplicationIngress protection codeIngress protection codeIP66 [Dust penetration-protected, jet-proof]Mech. impact protection codeIK08 [5 J vandal-protected]Surge Protection (Common/Differential)Philips standard surge protection levelProtection class IECSafety class IInitial Performance (IEC Compliant)Luminous flux toleranceInitial chromaticity(0.380, 0.380) SDCM <5Power consumption tolerance+/-7%Initial chromaticity(0.380, 0.380) SDCM <5Power failure rate at 5000 h0.5 %Product Data00 hOrder product nameBGP353 GRN137-35/740 DM AL GR PI T15Full product code871829197534200Order code910925439473Material Nr. (12NC)910925439473Numerator - Quantity Per Pack1EAN/UPC - Case8718291975342	Optical cover finish	Clear
Overall height217 mmEffective projected area0.14 m²Dimensions (Height x Width x Depth)217 x 424 x 879 mmParts colorAll parts coloredApproval and ApplicationIngress protection codeIngress protection codeIP66 [Dust penetration-protected]Surge Protection (Common/Differential)Philips standard surge protection levelProtection class IECSafety class IInitial Performance (IEC Compliant)Luminous flux toleranceLuminous flux tolerance+/-7%Initial chromaticity(0.380, 0.380) SDCM <5Power consumption tolerance+/-10%Init. Color Rendering Index Tolerance+/-2Over Time Performance (IEC Compliant)Driver failure rate at 5000 h0.5 %Order product nameBGP353 GRN137-35/740 DM AL GR PI TI5Full product code871829197534200Order code910925439473Material Nr. (12NC)910925439473Numerator - Quantity Per Pack1EAN/UPC - Product/Case8718291975342Numerator - Packs per outer box1	Overall length	879 mm
Effective projected area 0.14 m² Dimensions (Height x Width x Depth) 217 x 424 x 879 mm Parts color All parts colored Approval and Application Ingress protection code Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IK08 [5 J vandal-protected] Surge Protection (Common/Differential) Philips standard surge protection level Protection class IEC Safety class I Initial Performance (IEC Compliant) Luminous flux tolerance Luminous flux tolerance +/-7% Initial chromaticity (0.380, 0.380) SDCM <5 Power consumption tolerance +/-10% Init. Color Rendering Index Tolerance +/-2 Over Time Performance (IEC Compliant) Driver failure rate at 5000 h 0.5 % Product Data Order product name BGP353 GRN137-35/740 DM AL GR P1 T15 Full product name BGP353 GRN137-35/740 DM AL GR P1 T15 Full product code 871829197534200 Order code 910925439473 Material Nr. (12NC) 910925439473 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718291	Overall width	424 mm
Dimensions (Height x Width x Depth) 217 x 424 x 879 mm Parts color All parts colored Approval and Application Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IK08 [5 J vandal-protected] Surge Protection (Common/Differential) Philips standard surge protection level Protection class IEC Safety class I Initial Performance (IEC Compliant) Luminous flux tolerance Luminous flux tolerance +/-7% Initial chromaticity (0.380, 0.380) SDCM <5 Power consumption tolerance +/-10% Init. Color Rendering Index Tolerance +/-2 Over Time Performance (IEC Compliant) Driver failure rate at 5000 h Driver failure rate at 5000 h 0.5 % Product Data Order product name BGP353 GRN137-35/740 DM AL GR P1 T15 Full product code 871829197534200 Order code 910925439473 Material Nr. (12NC) 910925439473 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718291975342 Numerator - Packs per outer box 1	Overall height	217 mm
Parts color All parts colored Approval and Application Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IK08 [5 J vandal-protected] Surge Protection (Common/Differential) Philips standard surge protection level Protection class IEC Safety class I Initial Performance (IEC Compliant) Luminous flux tolerance Luminous flux tolerance +/-7% Initial chromaticity (0.380, 0.380) SDCM <5 Power consumption tolerance +/-10% Init. Color Rendering Index Tolerance +/-2 Over Time Performance (IEC Compliant) Driver failure rate at 5000 h Driver failure rate at 5000 h 0.5 % Product Data Order product name BGP353 GRN137-3S/740 DM AL GR P1 T15 Full product code 871829197534200 Order code 910925439473 Material Nr. (12NC) 910925439473 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718291975342 Numerator - Packs per outer box 1	Effective projected area	0.14 m²
Approval and Application Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IK08 [5 J vandal-protected] Surge Protection (Common/Differential) Philips standard surge protection level Protection class IEC Safety class I Initial Performance (IEC Compliant) Luminous flux tolerance Luminous flux tolerance +/-7% Initial chromaticity (0.380, 0.380) SDCM <5 Power consumption tolerance +/-10% Init. Color Rendering Index Tolerance +/-2 Over Time Performance (IEC Compliant) Driver failure rate at 5000 h 0.5 % Product Data Order product name BGP353 GRN137-35/740 DM AL GR P1 T15 Full product code 871829197534200 Order code 910925439473 Material Nr. (12NC) 910925439473 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718291975342 Numerator - Packs per outer box 1	Dimensions (Height x Width x Depth)	217 x 424 x 879 mm
Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IK08 [5 J vandal-protected] Surge Protection (Common/Differential) Philips standard surge protection level Protection class IEC Safety class I Initial Performance (IEC Compliant) Luminous flux tolerance Luminous flux tolerance +/-7% Initial chromaticity (0.380, 0.380) SDCM <5 Power consumption tolerance +/-10% Init. Color Rendering Index Tolerance +/-2 Over Time Performance (IEC Compliant) Driver failure rate at 5000 h Driver failure rate at 5000 h 0.5 % Product Data Order product name BGP353 GRN137-3S/740 DM AL GR P1 T15 Full product code 871829197534200 Order code 910925439473 Material Nr. (12NC) 910925439473 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718291975342 Numerator - Packs per outer box 1	Parts color	All parts colored
Ingress protection code IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IK08 [5 J vandal-protected] Surge Protection (Common/Differential) Philips standard surge protection level Protection class IEC Safety class I Initial Performance (IEC Compliant) Luminous flux tolerance Luminous flux tolerance +/-7% Initial chromaticity (0.380, 0.380) SDCM <5 Power consumption tolerance +/-10% Init. Color Rendering Index Tolerance +/-2 Over Time Performance (IEC Compliant) Driver failure rate at 5000 h Driver failure rate at 5000 h 0.5 % Product Data Order product name BGP353 GRN137-3S/740 DM AL GR P1 T15 Full product code 871829197534200 Order code 910925439473 Material Nr. (12NC) 910925439473 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718291975342 Numerator - Packs per outer box 1		
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Surge Protection (Common/Differential) Philips standard surge protection level Protection class IEC Safety class I Initial Performance (IEC Compliant) Imitial Performance (IEC Compliant) Luminous flux tolerance +/-7% Initial chromaticity (0.380, 0.380) SDCM <5 Power consumption tolerance +/-10% Init. Color Rendering Index Tolerance +/-2 Over Time Performance (IEC Compliant) Driver failure rate at 5000 h Order product Data 0.5 % Order product name BGP353 GRN137-3S/740 DM AL GR P1 T15 Full product code 871829197534200 Order code 910925439473 Material Nr. (12NC) 910925439473 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718291975342 Numerator - Packs per outer box 1	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
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Luminous flux tolerance+/-7%Initial chromaticity(0.380, 0.380) SDCM <5Power consumption tolerance+/-10%Init. Color Rendering Index Tolerance+/-2Over Time Performance (IEC Compliant)Driver failure rate at 5000 h0.5 %Product DataOrder product nameBGP353 GRN137-35/740 DM AL GR P1 T15Full product nameBGP353 GRN137-35/740 DM AL GR P1 T15Full product code871829197534200Order code910925439473Material Nr. (12NC)910925439473Numerator - Quantity Per Pack1EAN/UPC - Product/Case8718291975342Numerator - Packs per outer box1	Protection class IEC	Safety class I
Luminous flux tolerance+/-7%Initial chromaticity(0.380, 0.380) SDCM <5Power consumption tolerance+/-10%Init. Color Rendering Index Tolerance+/-2Over Time Performance (IEC Compliant)Driver failure rate at 5000 h0.5 %Product DataOrder product nameBGP353 GRN137-35/740 DM AL GR P1 T15Full product nameBGP353 GRN137-35/740 DM AL GR P1 T15Full product code871829197534200Order code910925439473Material Nr. (12NC)910925439473Numerator - Quantity Per Pack1EAN/UPC - Product/Case8718291975342Numerator - Packs per outer box1		
Initial chromaticity(0.380, 0.380) SDCM <5	Initial Performance (IEC Compliant)	
Power consumption tolerance+/-10%Init. Color Rendering Index Tolerance+/-2Over Time Performance (IEC Compliant)Driver failure rate at 5000 h0.5 %Product DataOrder product nameBGP353 GRN137-3S/740 DM AL GR P1 T15Full product nameBGP353 GRN137-3S/740 DM AL GR P1 T15Full product code871829197534200Order code910925439473Material Nr. (12NC)910925439473Numerator - Quantity Per Pack1EAN/UPC - Product/Case8718291975342Numerator - Packs per outer box1	Luminous flux tolerance	+/-7%
Init. Color Rendering Index Tolerance+/-2Over Time Performance (IEC Compliant)Driver failure rate at 5000 h0.5 %Product DataOrder product nameBGP353 GRN137-3S/740 DM AL GR P1 T15Full product nameBGP353 GRN137-3S/740 DM AL GR P1 T15Full product code871829197534200Order code910925439473Material Nr. (12NC)910925439473Numerator - Quantity Per Pack1EAN/UPC - Product/Case8718291975342Numerator - Packs per outer box1	Initial chromaticity	(0.380, 0.380) SDCM <5
Over Time Performance (IEC Compliant) Driver failure rate at 5000 h 0.5 % Product Data 07der product name BGP353 GRN137-3S/740 DM AL GR P1 T15 Full product name BGP353 GRN137-3S/740 DM AL GR P1 T15 Full product code 871829197534200 Order code 910925439473 Material Nr. (12NC) 910925439473 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718291975342 Numerator - Packs per outer box 1	Power consumption tolerance	+/-10%
Driver failure rate at 5000 h0.5 %Product DataOrder product nameBGP353 GRN137-3S/740 DM AL GR P1 T15Full product nameBGP353 GRN137-3S/740 DM AL GR P1 T15Full product code871829197534200Order code910925439473Material Nr. (12NC)910925439473Numerator - Quantity Per Pack1EAN/UPC - Product/Case8718291975342Numerator - Packs per outer box1	Init. Color Rendering Index Tolerance	+/-2
Driver failure rate at 5000 h0.5 %Product DataOrder product nameBGP353 GRN137-3S/740 DM AL GR P1 T15Full product nameBGP353 GRN137-3S/740 DM AL GR P1 T15Full product code871829197534200Order code910925439473Material Nr. (12NC)910925439473Numerator - Quantity Per Pack1EAN/UPC - Product/Case8718291975342Numerator - Packs per outer box1		
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Order product nameBGP353 GRN137-3S/740 DM AL GR P1 T15Full product nameBGP353 GRN137-3S/740 DM AL GR P1 T15Full product code871829197534200Order code910925439473Material Nr. (12NC)910925439473Numerator - Quantity Per Pack1EAN/UPC - Product/Case8718291975342Numerator - Packs per outer box1	Driver failure rate at 5000 h	0.5 %
Order product nameBGP353 GRN137-3S/740 DM AL GR P1 T15Full product nameBGP353 GRN137-3S/740 DM AL GR P1 T15Full product code871829197534200Order code910925439473Material Nr. (12NC)910925439473Numerator - Quantity Per Pack1EAN/UPC - Product/Case8718291975342Numerator - Packs per outer box1		
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EAN/UPC - Case 8718291975342	Numerator - Packs per outer box	1
	EAN/UPC - Case	8718291975342

Dimensional drawing



Iridium² LED Large



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