

## Product: BERYL NEW LED K-1/L4 1800 PLX E 04 IP20/44 840 Index: 19.4031.9121.04

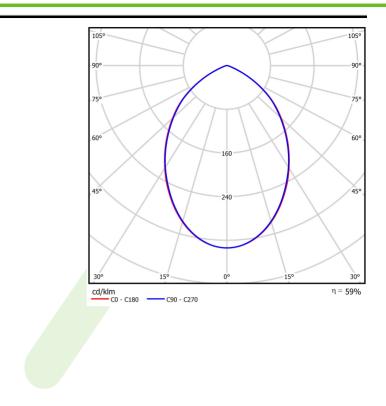


## Description

Aluminum cast housing. This technology significantly increases possibility of application of particular luminaire due to lower ceiling load since additional cooling radiator is not required. Beryl New LED K has higher efficiency and efficiency than the previous version. Luminaire is dedicated for prestigious interiors such as hotels, banks and offices of higher standard. Owing to the newest components and renowned producers of LEDs applied it was possible to build such luminaires which save energy consumption comparing with traditional solutions. The luminaire has the ability to adjust the optics in two planes (in the vertical axis by 359° and to the left and right 15°). Note: the color of the frame and housing has a slightly different shade than the color of the inner reflector cover.

FamilyBERYL NEW LED K1/L4NameBERYL NEW LED K-1/L4 1800 PLX E 04 IP20/44 840Index19.4031.9121.04Image: Second	Product information	Category Recessed lu	Category Recessed luminaires	
Name   BERYL NEW LED K-JL/L4 1800 PLX E 04 IP20/44 840     Index   19.4031.9121.04     Image: Construction of the second se		<b>3</b> ,		
Index   19.4031.9121.04     Image: Construction of the second			LED K-1/L4 1800 PLX E 04 IP20/44 840	
Light and electrical data   Light source   LED     Luminous flux LED [Im]   8232     LED power (M)   45,2     Luminaire luminous flux [Im]   4874     Power of luminaire (M)   95,2     Color of the light [K]   4000     CRI   85     SDCM (LED sources)   2     Beam angle ["]   (CoC-C180) / (C90-C270) - 81,4° / 80,6°     Protection against electric shock   1     Protection degree   IP20/44     Voltage   220240 V, 5060 Hz     Lifetime of LED sources [h]   83000 (1) / 100000 (2) / 100000 (3)     Lx/By   L90/B10 (1) / L80/B10 (2) / L70/B10 (3)     Operating temperature range ["C]   5 - 30     Driver   standard onloff (E)     Power factor cos φ   90,95     Circuit load capacity   19 (B10), 31 (B16), 32 (C10), 52 (C16)     Metrial   aluminum     Color   RAL s005 (black)     Diffuser   PLX (PMMA opa)     Impact resistant   K04     Dimensions [nm]   472 x 119 x 99				
Light and electrical data   Light source   LED     Luminous flux LED [Im]   8232     LED power [M]   45,2     Luminaire luminous flux [Im]   4874     Power of luminaire [W]   51,2     Luminaire's light efficiency [Im/W]   95,2     Color of the light [K]   4000     CRI   85     SDCM (LED sources)   2     Beam angle [°]   (C0-C180) / (C90-C270) - 81,4° / 80,6°     Protection against electric shock   I     Protection degree   IP20/44     Voltage   220240 V, 5060 Hz     Lifetime of LED sources [h]   83000 (1) / 100000 (2) / 100000 (3)     Lx/By   L90/B10 (1) / L80/B10 (2) / L70/B10 (3)     Operating temperature range [°C]   5 + 30     Driver   standard on/off (E)     Power factor cos q   >0,95     Circuit load capacity   19 (B10), 31 (B16), 32 (C10), 52 (C16)     Material   aluminum     Color   RAL 9005 (black)     Diffuser   PLX (PMMA opal)     Impact resistant   IK04     Dimensions [mm]   472 x 119 x 99				
Luminous flux LED [Im]   8232     LED power [M]   45,2     Luminaire luminous flux [Im]   4874     Power of Iuminaire [W]   51,2     Luminaire's light efficiency [Im/W]   95,2     Color of the light [K]   4000     CRI   85     SDCM (LED sources)   2     Beam angle [°]   (C0-C180) / (C90-C270) - 81,4° / 80,6°     Protection against electric shock   1     Protection against electric shock   1     Protection against electric shock   1     Voltage   220240 V, 5060 Hz     Lifetime of LED sources [h]   83000 (1) / 100000 (2) / 100000 (3)     Lx/By   L90/B10 (1) / L80/B10 (2) / L70/B10 (3)     Operating temperature range [°C]   5 ÷ 30     Driver   standard on/off (E)     Power factor cos φ   >0,95     Circuit load capacity   19 (B10), 31 (B16), 32 (C10), 52 (C16)     Material   aluminum     Color   RAL 9005 (black)     Diffuser   PLX (PMMA opal)     Impact resistant   IK04     Dimensions [rm]   472 x 119 x 99				
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Luminaire luminous flux [lm]   4874     Power of luminaire [W]   51,2     Luminaire's light efficiency [lm/M]   95,2     Color of the light [K]   4000     CRI   85     SDCM (LED sources)   2     Beam angle [']   (C0-C180) / (C90-C270) - 81,4° / 80,6°     Protection against electric shock   1     Protection degree   IP20/44     Voltage   220240 V, 5060 Hz     Lifetime of LED sources [h]   83000 (1) / 100000 (2) / 100000 (3)     Lx/By   L90/B10 (1) / L80/B10 (2) / L70/B10 (3)     Operating temperature range [°C]   5 + 30     Priver   standard on/off (E)     Power factor cos \$\overline\$   >0,95     Circuit load capacity   19 (B10), 31 (B16), 32 (C10), 52 (C16)     Material   aluminum     Color   RAL 9005 (black)     Diffuser   PLX (PMMA opal)     Impact resistant   IK04     Dimensions [mm]   472 x 119 x 99		Luminous flux LED [lm]	8232	
Power of luminaire [W]   51,2     Luminaire's light efficiency [Im/W]   95,2     Color of the light [K]   4000     CRI   85     SDCM (LED sources)   2     Beam angle ["]   (Co-C180) / (C90-C270) - 81,4° / 80,6°     Protection against electric shock   I     Protection against electric shock   I     Protection against electric shock   I     Voltage   220240 V, 5060 Hz     Lifetime of LED sources [h]   83000 (1) / 100000 (2) / 100000 (3)     Lx/By   L90/B10 (1) / L80/B10 (2) / L70/B10 (3)     Operating temperature range [°C]   5 ÷ 30     Oriver   standard on/off (E)     Power factor cos φ   >0,95     Circuit load capacity   19 (B10), 31 (B16), 32 (C10), 52 (C16)     Material   aluminum     Color   RAL 9005 (black)     Diffuser   PLX (PMMA opal)     Impact resistant   IK04     Dimensions [mm]   472 x 119 x 99		LED power [W]	45,2	
Luminaire's light efficiency [lm/W]   95,2     Color of the light [K]   4000     CRI   85     SDCM (LED sources)   2     Beam angle [°]   (C0-C180) / (C90-C270) - 81,4° / 80,6°     Protection against electric shock   I     Protection degree   IP20/44     Voitage   220240 V, 5060 Hz     Lifetime of LED sources [h]   83000 (1) / 100000 (2) / 100000 (3)     Lifetime of LED sources [h]   83000 (1) / L80/B10 (2) / L70/B10 (3)     Operating temperature range [°C]   5 ÷ 30     Driver   standard on/off (E)     Power factor cos $\phi$ >0,95     Circuit load capacity   19 (B10), 31 (B16), 32 (C10), 52 (C16)     Mechanical data   Assembly   mounted in module ceilings, as well as plasterboard ceilings     Material   aluminum   Color   RAL 9005 (black)     Diffuser   PLX (PMMA opal)   Impact resistant   IK04     Dimensions [mm]   472 x 119 x 99   99		Luminaire luminous flux [In	n] <b>4874</b>	
Color of the light [k]     4000       CRI     85       SDCM (LED sources)     2       Beam angle [°]     (C0-C180) / (C90-C270) - 81,4° / 80,6°       Protection against electric shock     I       Protection degree     IP20/44       Voltage     220240 V, 5060 Hz       Lifetime of LED sources [h]     83000 (1) / 100000 (2) / 100000 (3)       Lx/By     L90/B10 (1) / L80/B10 (2) / L70/B10 (3)       Operating temperature range [°C]     5 ÷ 30       Driver     standard on/off (E)       Power factor cos φ     >0,95       Circuit load capacity     19 (B10), 31 (B16), 32 (C10), 52 (C16)       Mechanical data     Material     aluminum       Color     RAL 9005 (black)     Diffuser       Diffuser     PLX (PMMA opal)     Impact resistant       Impact resistant     IK04     Dimensions [mm]     472 x 119 x 99		Power of luminaire [W]	51,2	
CRI   85     SDCM (LED sources)   2     Beam angle [°]   (C0-C180) / (C90-C270) - 81,4° / 80,6°     Protection against electric shock   I     Protection degree   IP20/44     Voltage   220240 V, 5060 Hz     Lifetime of LED sources [h]   83000 (1) / 100000 (2) / 100000 (3)     Lx/By   L90/B10 (1) / L80/B10 (2) / L70/B10 (3)     Operating temperature range [°C]   5 ÷ 30     Driver   standard on/off (E)     Power factor cos φ   >0,95     Circuit load capacity   19 (B10), 31 (B16), 32 (C10), 52 (C16)     Mechanical data   Assembly   mounted in module ceilings, as well as plasterboard ceilings     Material   aluminum   Color   RAL 9005 (black)     Diffuser   PLX (PMMA opal)   Impact resistant   IK04     Dimensions [mm]   472 x 119 x 99   99		Luminaire's light efficiency	[lm/W] 95,2	
SDCM (LED sources)   2     Beam angle [°]   (C0-C180) / (C90-C270) - 81,4° / 80,6°     Protection against electric shock   I     Protection degree   IP20/44     Voltage   220240 V, 5060 Hz     Lifetime of LED sources [h]   83000 (1) / 100000 (2) / 100000 (3)     Lx/By   L90/B10 (1) / L80/B10 (2) / L70/B10 (3)     Operating temperature range [°C]   5 ÷ 30     Driver   standard on/off (E)     Power factor cos $\varphi$ >0,95     Circuit load capacity   19 (B10), 31 (B16), 32 (C10), 52 (C16)     Material aluminum     Color   RAL 9005 (black)     Diffuser   PLX (PMMA opal)     Impact resistant   IK04     Dimensions [mm]   472 x 119 x 99				
Beam angle [°]   (C0-C180) / (C90-C270) - 81,4° / 80,6°     Protection against electric shock   I     Protection degree   IP20/44     Voltage   220240 V, 5060 Hz     Lifetime of LED sources [h]   83000 (1) / 100000 (2) / 100000 (3)     Lx/By   L90/B10 (1) / L80/B10 (2) / L70/B10 (3)     Operating temperature range [°C]   5 ÷ 30     Driver   standard on/off (E)     Power factor cos φ   >0,95     Circuit load capacity   19 (B10), 31 (B16), 32 (C10), 52 (C16)     Mechanical data   Assembly   mounted in module ceilings, as well as plasterboard ceilings     Material   aluminum   Color   RAL 9005 (black)     Diffuser   PLX (PMMA opal)   Impact resistant   IK04     Dimensions [mm]   472 x 119 x 99   Yes		CRI	85	
Protection against electric shock   I     Protection degree   IP20/44     Voltage   220240 V, 5060 Hz     Lifetime of LED sources [h]   83000 (1) / 100000 (2) / 100000 (3)     Lx/By   L90/B10 (1) / L80/B10 (2) / L70/B10 (3)     Operating temperature range [°C]   5 ÷ 30     Driver   standard on/off (E)     Power factor cos φ   >0,95     Circuit load capacity   19 (B10), 31 (B16), 32 (C10), 52 (C16)     Material   aluminum     Color   RAL 9005 (black)     Diffuser   PLX (PMMA opal)     Impact resistant   IK04     Dimensions [mm]   472 x 119 x 99		SDCM (LED sources)	2	
Protection degree   IP20/44     Voltage   220240 V, 5060 Hz     Lifetime of LED sources [h]   83000 (1) / 100000 (2) / 100000 (3)     Lx/By   L90/B10 (1) / L80/B10 (2) / L70/B10 (3)     Operating temperature range [°C]   5 ÷ 30     Driver   standard on/off (E)     Power factor cos φ   >0,95     Circuit load capacity   19 (B10), 31 (B16), 32 (C10), 52 (C16)     Mechanical data   Assembly   mounted in module ceilings, as well as plast=rboard ceilings     Material   aluminum   Color   RAL 9005 (black)     Diffuser   PLX (PMMA opal)   Impact resistant   IK04     Dimensions [mm]   472 x 119 x 99   99		Beam angle [°]	(C0-C180) / (C90-C270) - 81,4° / 80,6°	
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Lifetime of LED sources [h]   83000 (1) / 100000 (2) / 100000 (3)     Lx/By   L90/B10 (1) / L80/B10 (2) / L70/B10 (3)     Operating temperature range [°C]   5 ÷ 30     Driver   standard on/off (E)     Power factor cos φ   >0,95     Circuit load capacity   19 (B10), 31 (B16), 32 (C10), 52 (C16)     Mechanical data   Assembly   mounted in module ceilings, as well as plasterboard ceilings     Material   aluminum   Color   RAL 9005 (black)     Diffuser   PLX (PMMA opal)   Impact resistant   Impact resistant     Impact resistant   IK04   Dimensions [mm]   472 × 119 × 99		Protection degree	IP20/44	
Lx/By   L90/B10 (1) / L80/B10 (2) / L70/B10 (3)     Operating temperature range [°C]   5 ÷ 30     Driver   standard on/off (E)     Power factor cos φ   >0,95     Circuit load capacity   19 (B10), 31 (B16), 32 (C10), 52 (C16)     Mechanical data   Assembly     Material   aluminum     Color   RAL 9005 (black)     Diffuser   PLX (PMMA opal)     Impact resistant   IK04     Dimensions [mm]   472 x 119 x 99		Voltage	220240 V, 5060 Hz	
Operating temperature range [°C]   5 ÷ 30     Driver   standard on/off (E)     Power factor cos φ   >0,95     Circuit load capacity   19 (B10), 31 (B16), 32 (C10), 52 (C16)     Mechanical data   Assembly   mounted in module ceilings, as well as plasterboard ceilings     Material   aluminum     Color   RAL 9005 (black)     Diffuser   PLX (PMMA opal)     Impact resistant   IK04     Dimensions [mm]   472 x 119 x 99			] 83000 (1) / 100000 (2) / 100000 (3)	
Driver   standard on/off (E)     Power factor cos φ   >0,95     Circuit load capacity   19 (B10), 31 (B16), 32 (C10), 52 (C16)     Mechanical data   Assembly   mounted in module ceilings, as well as plasterboard ceilings     A   Assembly   Material   aluminum     Color   RAL 9005 (black)   Diffuser   PLX (PMMA opal)     Impact resistant   IK04   Dimensions [mm]   472 x 119 x 99		Lx/By	L90/B10 (1) / L80/B10 (2) / L70/B10 (3)	
Power factor cos φ   >0,95     Circuit load capacity   19 (B10), 31 (B16), 32 (C10), 52 (C16)     Mechanical data   Assembly   mounted in module ceilings, as well as plasterboard ceilings     Adterial   aluminum     Color   RAL 9005 (black)     Diffuser   PLX (PMMA opal)     Impact resistant   IK04     Dimensions [mm]   472 x 119 x 99		Operating temperature rar	nge [°C] 5 ÷ 30	
Circuit load capacity   19 (B10), 31 (B16), 32 (C10), 52 (C16)     Mechanical data   Assembly   mounted in module ceilings, as well as plasterboard ceilings     Assembly   Material   aluminum     Color   RAL 9005 (black)     Diffuser   PLX (PMMA opal)     Impact resistant   IK04     Dimensions [mm]   472 x 119 x 99		Driver	standard on/off (E)	
Mechanical data   Assembly   mounted in module ceilings, as well as plasterboard ceilings     Image: Ima		Power factor $\cos \phi$		
Image: splasterboard ceilings     A     A     A     A     B     A     B     A     B		Circuit load capacity	19 (B10), 31 (B16), 32 (C10), 52 (C16)	
Color RAL 9005 (black)   Diffuser PLX (PMMA opal)   Impact resistant IK04   Dimensions [mm] 472 x 119 x 99	Mechanical data	Assembly		
Diffuser PLX (PMMA opal)   Impact resistant IK04   Dimensions [mm] 472 x 119 x 99		Material	aluminum	
Impact resistantIK04Dimensions [mm]472 x 119 x 99		Color	RAL 9005 (black)	
Dimensions [mm] 472 x 119 x 99		Diffuser	PLX (PMMA opal)	
Dimensions [mm] 472 x 119 x 99		Impact resistant		
			472 x 119 x 99	
			450 x 110	

## A graph of light





Luminous flux tolerance +/- 10%. Power tolerance +/- 10%. Technical data may be changed. Photos of the luminaires may differ from reality. Date of last update: 24-01-2023